

The ThinkCentre U.S. logo, featuring the word "ThinkCentre" in a bold, black, sans-serif font, with a red dot above the "i". To the right of "ThinkCentre" is a blue rectangular box with the letters "U.S." in white, sans-serif font.

Product Specifications Reference

Version 467, January 2015

® laptops

Version 467, January 2015

ThinkCentre® Desktops

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Summary of Changes

This section describes the technical changes made in this edition.

This edition might also include minor corrections and editorial changes which are not identified.

January 28, 2015 - Version 467

Additions in this update

- ▶ **New model(s)**

- ThinkCentre M53 Tiny new Thin Client models announced January 2015

- ▶ **Specifications update**

- ThinkCentre Tiny-In-One 23 specifications is updated for ThinkCentre Tiny-in-One Power On feature

Recently Launched Think Accessories



ThinkPad Compact Bluetooth
Keyboard with Trackpoint
(PN: 0B47189)



ThinkPad Noise Cancelling
Earbuds
(PN: 0B47313)



Lenovo Wireless TouchPad for
Windows 8
(PN: 0A33909)

Additional Think Accessories



ThinkPad USB 3.0 Portable Secure
HDD (500GB , 750GB, 1TB)
(PN: 0A65619, 0A65616, 0A65621)



Kensington MicroSaver Security
Cable Lock from Lenovo
(PN: 73P2582)



Lenovo Ultralim Wireless
Keyboard and Mouse Combo
(PN: 0A34032)

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LENOVO THINK ACCESSORIES

Lenovo Quick Pick (<http://www.lenovoquickpick.com/>) is an options compatibility configurator for Lenovo systems.

For more information on the various ThinkCentre systems, please see below :

<p><u>ThinkCentre M32</u></p> <p>M32 Thin Client 10BM/10BV www.lenovoquickpick.com/usa/system/thinkcentre/m-series/m32-thin-client</p>	<p><u>ThinkCentre M73z</u></p> <p>M73z AIO 10BB/10BC www.lenovoquickpick.com/usa/system/thinkcentre/m-series/m73z-aio</p>
<p><u>ThinkCentre M73</u></p> <p>M73 Tiny 10AX/10AY www.lenovoquickpick.com/usa/system/thinkcentre/m-series/m73-tiny</p> <p>M73 Small 10B4/10B5/10B6/10B7 www.lenovoquickpick.com/usa/system/thinkcentre/m-series/m73-sff</p> <p>M73 Tower 10B0/10B1/10B2/10B3 www.lenovoquickpick.com/usa/system/thinkcentre/m-series/m73-tower</p>	<p><u>ThinkCentre M93z</u></p> <p>M93z AIO 10AC/10AD/10AE/10AF www.lenovoquickpick.com/usa/system/thinkcentre/m-series/m93z-aio</p>
	<p><u>ThinkCentre Edge 62z</u></p> <p>Edge 62z AIO 2117 www.lenovoquickpick.com/usa/system/thinkcentre/e-series/edge-62z-aio</p>
<p><u>ThinkCentre M78</u></p> <p>M78 Small 10BS/10BT/10BU www.lenovoquickpick.com/usa/system/thinkcentre/m-series/m78-sff</p> <p>M78 Tower 10BN/10BQ/10BR www.lenovoquickpick.com/usa/system/thinkcentre/m-series/m78-tower</p>	<p><u>ThinkCentre E63z</u></p> <p>E63z AIO 10D4/10D5/10D6/10D7 www.lenovoquickpick.com/usa/system/thinkcentre/e-series/e63z-aio</p>
<p><u>ThinkCentre M79</u></p> <p>M79 Small 10CT/10CU/10CV/10CW www.lenovoquickpick.com/usa/system/thinkcentre/m-series/m79-sff</p> <p>M79 Tower 10CN/10CQ/10CR/10CS www.lenovoquickpick.com/usa/system/thinkcentre/m-series/m79-tower</p>	<p><u>ThinkCentre E93z</u></p> <p>E93z AIO 10B8/10B9/10BA/10BH/10BJ/10BK www.lenovoquickpick.com/usa/system/thinkcentre/e-series/e93z-aio</p>
<p><u>ThinkCentre M83</u></p> <p>M83 Small 10AH/10AJ/10AM/10AN www.lenovoquickpick.com/usa/system/thinkcentre/m-series/m83-sff</p> <p>M83 Tower 10AG/10AK/10AL/10BE www.lenovoquickpick.com/usa/system/thinkcentre/m-series/m83-tower</p>	
<p><u>ThinkCentre M93/M93p</u></p> <p>M93/M93p Tiny 10A4/10A5/10AA/10AB www.lenovoquickpick.com/usa/system/thinkcentre/m-series/m93-m93p-tiny</p> <p>M93/M93p Small 10A2/10A3/10A8/10A9 www.lenovoquickpick.com/usa/system/thinkcentre/m-series/m93-m93p-sff</p> <p>M93/M93p Tower 10A0/10A1/10A6/10A7 www.lenovoquickpick.com/usa/system/thinkcentre/m-series/m93-m93p-tower</p>	
<p><u>ThinkCentre E73</u></p> <p>E73 Small 10AU/10AW/10BF/10BG www.lenovoquickpick.com/usa/system/thinkcentre/e-series/e73-sff</p> <p>E73 Tower 10AS/10AV www.lenovoquickpick.com/usa/system/thinkcentre/e-series/e73-tower</p>	



ThinkCentre TIO 23



ThinkCentre TIO 23 with
optional 9.5mm ODD



ThinkCentre TIO 23 with
optional Tiny



ThinkCentre TIO 23



ThinkCentre TIO 23 with
optional 9.5mm ODD



3-in-1 cable
(USB / DP / Power)

ThinkCentre Tiny-in-One (TIO) 23

Product Specifications Reference (PSREF)

Model	10DQPAR6US			Mounting features	Wall or desk mounting using the extend arm or third-party accessories meeting the VESA FPM PMI® (100mm mount) <i>Tilt: 35° back, -5° forward; lift: 4.3" (110mm); swivel: +/-45°</i>			
Form factor	Tiny-in-One, offers a full All-In-One experience when optional Tiny slots into the back of TIO 23, clean cabling and effortless setup			Adjustable stand				
Compatible Tiny:	M93/p Tiny, M83 Tiny, M73 Tiny, or M53 Tiny * Processor, memory, storage, operating system, WLAN, Bluetooth, Keyboard, mouse, etc., depend on the Tiny installed (optional)			Power supply	90 watts AC/DC adapter, 88% PSU, universal			
				Power consumption	22 watts typical, 45 watts maximum, <0.5 watts standby / suspend			
Panel	TFT-LCD, twisted nematic (TN), White LED backlight			Limited warranty ³	3-years , Customer Carry-In Exchange (CCE) via Rapid Replacement, IWS (International Warranty Service ⁹) / service upgrades available <i>For Lenovo service upgrade options, please go to S-TC sheet</i>			
Viewable image size	23.0" (584.2mm) diagonal			VESA-compliant ²	VESA DDC2B/CI, VESA DPMS-compliant			
Max view area (W x H)	20.05" x 11.28" / 509.2mm x 286.4mm			Ergonomics	ISO 9241-307			
Optimum resolution	1920x1080			Emission standards	MPR-2, FCC Class B			
Aspect ratio	16:9			Environmental	TCO (TCO Certified Edge 1.1), WEEE, RoHS, ENERGY STAR® 6.0			
Pixel pitch (mm)	.265mm			Windows certifications	EPEAT™ Gold rating, ULE, TUV			
Dot/Pixel per Inch	96 dpi			Ship group	TIO 23 (Monitor), detachable stand, Information flyer, Reference and driver CD, AC/DC power adapter, power cord, quickly-released screw			
Brightness	250 nits or cd/m² (typical)			Accessories	For compatible accessories, please go to TC-AQP sheet			
Contrast ratio	1000:1 (typical)							
Pixel response time	5ms (typical)							
Color gamut	72%							
Anti-reflective	Anti-glare							
Horizontal frequency	30 to 83kHz							
Vertical frequency	50 to 75Hz							
Viewing angle at 10:1	CR170° (+/- 85°) horizontal, 160° (+/- 80°) vertical							
Preset resolutions	640x350 @ 70Hz 640x480 @ 60Hz, 66Hz, 72Hz, 75Hz 720x400 @ 70Hz 800x600 @ 60Hz, 72Hz, 75Hz 1024x768 @ 60Hz, 70Hz, 75Hz 1152x864 @ 75Hz 1280x800 @ 60Hz 1280x1024 @ 60Hz, 72Hz, 75Hz 1366x768 @ 60Hz 1440x900 @ 60Hz, 75Hz 1600x1200 @ 60Hz, 70Hz, 75Hz 1680x1050 @ 60Hz 1920x1080 @ 60Hz							
Presets / user settings	Presets: 25; user settings: 25							
On screen display	On screen display with digital user controls (8 languages)							
Control features	Mode-switching (TIO mode / standalone monitor mode, switches video/audio/USB input source) / Back button, Left shift button, Right shift / Brightness button, Selection button / Menu button, Power button							
Tiny-in-One Power On	Pressing Alt + P on keyboard or pressing Power button positioned on TIO can turn on both TIO and Tiny (only some Tiny support, see compatible list)							
USB ports	<i>Front:</i> two USB 3.0 (only when M93/p or M83 installed) or two USB 2.0 <i>Side:</i> two USB 2.0, one USB 2.0 upstream port (connect to PC), one mini USB 2.0 port for accessories (on top) * The USB ports are only available when a Tiny is installed or a PC is connected via USB upstream port							
Monitor connectors	One DisplayPort port, version 1.2							
3-in-1 Cable	Undetachable 3-in-1 cable (Power connector, USB, DisplayPort), only for connecting to Tiny installed (optional)							
Audio port	one headphone / microphone combo jack (stereo, 3.5mm)							
Security	Security keyhole for attachment of optional cable lock (Kensington® lock compatible), locks optional Tiny and ODD box with TIO 23 together, more security features offered by Tiny installed (optional)							
Mechanical								
	Dimensions	TIO 23 without stand	TIO 23 with stand					
	W x D x H (inch)	22.17 x 2.74 x 14.88	22.17 x 9.84 x 16.15 - 20.48					
	W x D x H (mm)	563 x 69.5 x 378	563 x 250 x 410.14 - 520.14					
	Weight (approximately)	TIO 23 with stand	TIO 23 with Tiny, stand, and ODD box installed					
	lb / kg	15.4lb / 7kg	18.9lb / 8.58kg					

Compatible Tiny				
Model	M93/p Tiny	M83 Tiny	M73 Tiny	M53 Tiny
Processor	Intel® Core™ i7 / i5 / i3 (HSW 35 W) Intel Pentium® LV (HSW 35 W) Intel Celeron LV (HSW 35 W)			Intel Pentium J2900 Intel Celeron J1800
OS support	OS Support			
Memory	2 SO-DIMM, up to 16GB			1 SO-DIMM, up to 8GB
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600			Intel HD Graphics
Storage	HDD / SSHD / SSD		HDD / SSHD / SSD / DOM	
USB ports	5 USB 3.0 (2 front, 3 rear) 1 opt rear USB 2.0	4 USB 3.0 (2 front, 2 rear), 1 USB 2.0 (rear) 1 opt rear USB 2.0	2 USB 3.0 (front) 3 USB 2.0 (rear) 1 opt rear USB 2.0	1 USB 3.0 (front) 4 USB 2.0 (2 front, 2 rear) 1 opt rear USB 2.0
Optical	Optical slim ODD box (DVD or DVD±RW)			
Security	TPM 1.2, Asset ID, Kensington® lock	TPM1.2, Asset ID, Kensington lock	Asset ID, Kensington lock	Asset ID, Kensington lock
Manageability	vPro, iAMT 9.0			
Multi monitor	Up to 3, VGA + DP + opt HDMI/2nd DP	Up to 3, VGA + DP + opt 2nd DP	Up to 2, VGA + DP	Up to 2, VGA + DP
HDD APS	Support		No	
USB KB Power On	Support			

ThinkCentre Tiny-in-One Power On Compatible list				
Model	M93/p Tiny	M83 Tiny	M73 Tiny	M53 Tiny
Turn on TIO and Tiny together via Alt + P on USB KB	All models	All models	All models	All models
Turn on TIO and Tiny together via TIO Power Button	TIO models	All models	TIO models	All models

See footnotes for more detailed information

ThinkCentre M32 Thin Client

ThinkCentre®



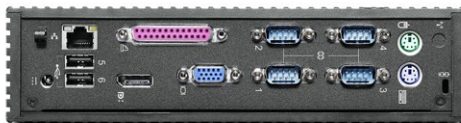
Lenovo ThinkCentre M32 Thin Client
with Lenovo ThinkVision Monitor



Lenovo ThinkCentre M32 Thin Client



Lenovo ThinkCentre M32 Thin Client



Lenovo ThinkCentre M32 Thin Client



Lenovo ThinkCentre M32 Thin Client
(inside view)



Lenovo ThinkCentre M32 Thin Client

ThinkCentre M32 (10BV) - Thin Client (TopSeller) - 1-year depot

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Flash Memory	Optical	Graphics	DP to DVI dongle	Floor stand	Key-board/ Mouse	ENERGY STAR 6.0 Global	OS preload	Ann date (mm/dd/yy)
10BV0006US	Celeron 807	2GBx1	1G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	None	None	LeTOS 09/03/13
10BV0009US	Celeron 807	4GBx1	1G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	None	None	LeTOS 09/03/13
10BV0007US	Celeron 807	2GBx1	8G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	ES6.0	None	WES 7 09/03/13
10BV0008US	Celeron 807	4GBx1	8G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	ES6.0	None	WES 7 09/03/13
10BV000EUS	Celeron 847	2GBx1	1G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	None	None	LeTOS 12/10/13
10BV000FUS	Celeron 847	4GBx1	1G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	None	None	LeTOS 12/10/13
10BV000AUS	Celeron 847	2GBx1	8G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	ES6.0	None	WES 7 12/10/13
10BV000BUS	Celeron 847	4GBx1	8G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	ES6.0	None	WES 7 12/10/13

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- 1-year depot warranty

Positioning	Mainstream Thin Client with better security and manageability for the enterprise		Preloaded operating system Some: Genuine Windows® Embedded Standard 7 (WES 7) Some: LeTOS (Lenovo Terminal Operating System, Linux-based)
Processor	Intel® Celeron® Processor 807 (1 cores / 2 threads, 1.5GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Celeron Processor 847 (2 cores / 2 threads, 1.1GHz, 2MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology		
Memory	4GB max, PC3-12800 1600MHz DDR3* , one 204-pin SODIMM socket (notebook) * System automatically clocks down for processors with 1333MHz DDR3 memory controller		Preloaded applications (only some listed) - WES 7 only: <ul style="list-style-type: none">• Intel Management Engine Components• RDP Client• Citrix Client• VMware Client• Internet Explorer 9• Java• Flash• .Net Framework• Microsoft® Silverlight• Echo Agent• Ultra VNC• Adobe Reader• Intel Manageability Engine Firmware Recovery Agent
Graphics	Intel HD Graphics in processor, uses main memory, DirectX® 10.1, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x2048 (DisplayPort) @60Hz; 2560x1600 (VGA) @60Hz Optional DisplayPort to Single-link DVI-D dongle		
DP dongle			- LeTOS only: <ul style="list-style-type: none">• xFreeRDP• Citrix ICA Client• VMware View Client• Java• Mozilla Firefox• NX NoMachine Client• X11 Client• VDI-In-A-Box Java Client• AnyConnect VPN Client
Flash Memory	1GB (LeTOS models) or 8GB (WES 7 models) / DOM (Disk On Module) Card		
Optical	None		Network-based Thin Client Management Tool - Lenovo Thin Client Manager (LTM)* *A license is included with the purchase of M32 and the utility is downloadable from website
SATA controller	Serial ATA, SATA 3.0Gb/s support, integrated in chipset		
Onboard SATA	one SATA 3.0Gb/s connector for DOM Card		Security <ul style="list-style-type: none">• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)• Power-on password• Administrator password• Boot sequence control• Boot without keyboard and mouse• Individual USB port disablement• Serial port and parallel port disablement
eSATA port	None		
Chipset	Mobile Intel NM70 Express Chipset		EPEAT™ Gold rating (WES models) ENERGY STAR® 6.0 (WES models) GREENGUARD® certified RoHS-compliant WEEE REACH VMWare Ready Certification Citrix Ready/HDX Ready Certification MS RemoteFX Certification (WES models)
Front ports	Four USB 2.0, microphone (3.5mm), headphone (3.5mm)		
Rear ports	Two USB 2.0, ethernet (RJ-45), two PS/2 ports (keyboard and mouse), one parallel, four serial ports (Customizable Pin definition for serial port 2, 3, and 4), one VGA, one DisplayPort		For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet
PCIe Mini Card	None		
PCIe WLAN	None		Limited Warranty
Bluetooth	None		
Audio	High Definition (HD) Audio, Realtek® ALC662-VD codec		1-years, depot repair service / service upgrades available
Speaker	None		
IEEE 1394	None		
Ethernet	One gigabit ethernet port, Realtek RTL8111F, Wake on LAN®		
Intel AMT	None		
Modem	None		
Security chip	None		
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Floor Stand	System floor stand for vertical orientation		
VESA mount	Supports VESA 100mm mount standard		
Power supply	65 watts adapter, autosensing 100-240V, 85% PSU		
Machine	<ul style="list-style-type: none">• Business black color; USFF (2L)• Fan-less, Cable-less Design• (Without stand) 2.2" W X 6.7" D X 8.7" H• (Without stand) 55mm W X 170mm D X 220mm H• (Without stand) 3.3 lb (1.48 kg) in maximum configuration		
Protocols	Citrix:	ICA, HDX (compatible with XenDesktop and XenApp)	
	Microsoft:	RDP, RemoteFX (WES 7 models only), RDS	
	VMWare:	VMware Horizon View through RDP VMware Horizon View through PCoIP	

See footnotes for important warranty information

US model(s) announced September 3, 2013 or December 10, 2013

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(CLVL1-3) December 2013

ThinkCentre M32 (10BV) - Thin Client (TopSeller) - 1-year onsite

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Flash Memory	Optical	Graphics	DP to DVI dongle	Floor stand	Key-board/ Mouse	ENERGY STAR 6.0 Global	OS preload	Ann date (mm/dd/yy)	
10BV0005US	Celeron 807	2GBx1	1G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	None	None	LeTOS	09/03/13
10BV0001US	Celeron 807	2GBx1	8G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	ES6.0	None	WES 7	09/03/13

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- 1-year limited warranty

Positioning	Mainstream Thin Client with better security and manageability for the enterprise		Preloaded operating system <i>Some:</i> Genuine Windows® Embedded Standard 7 (WES 7) <i>Some:</i> LeTOS (Lenovo Terminal Operating System, Linux-based) Preloaded applications (only some listed) - WES 7 only: <ul style="list-style-type: none">• Intel Management Engine Components• RDP Client• Citrix Client• VMware Client• Internet Explorer 9• Java• Flash• .Net Framework• Microsoft® Silverlight• Echo Agent• Ultra VNC• Adobe Reader• Intel Manageability Engine Firmware Recovery Agent - LeTOS only: <ul style="list-style-type: none">• xFreeRDP• Citrix ICA Client• VMware View Client• Java• Mozilla Firefox• NX NoMachine Client• X11 Client• VDI-In-A-Box Java Client• AnyConnect VPN Client Network-based Thin Client Management Tool - Lenovo Thin Client Manager (LTM)* *A license is included with the purchase of M32 and the utility is downloadable from website Security <ul style="list-style-type: none">• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)• Power-on password• Administrator password• Boot sequence control• Boot without keyboard and mouse• Individual USB port disablement• Serial port and parallel port disablement EPEAT™ Gold rating (WES models) ENERGY STAR® 6.0 (WES models) GREENGUARD® certified RoHS-compliant WEEE REACH VMWare Ready Certification Citrix Ready/HDX Ready Certification MS RemoteFX Certification (WES models) For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet
Processor	Intel® Celeron® Processor 807 (1 cores / 2 threads, 1.5GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology		
Memory	4GB max, PC3-12800 1600MHz DDR3* , one 204-pin SODIMM socket (notebook) * System automatically clocks down for processors with 1333MHz DDR3 memory controller		
Graphics	Intel HD Graphics in processor, uses main memory, DirectX® 10.1, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 2560x2048 (DisplayPort)@60Hz; 2560x1600 (VGA)@60Hz Optional DisplayPort to Single-link DVI-D dongle		
DP dongle			
Flash Memory	1GB (LeTOS models) or 8GB (WES 7 models) / DOM (Disk On Module) Card		
Optical	None		
SATA controller	Serial ATA, SATA 3.0Gb/s support, integrated in chipset		
Onboard SATA	one SATA 3.0Gb/s connector for DOM Card		
eSATA port	None		
Chipset	Mobile Intel NM70 Express Chipset		
Front ports	Four USB 2.0, microphone (3.5mm), headphone (3.5mm)		
Rear ports	Two USB 2.0, ethernet (RJ-45), two PS/2 ports (keyboard and mouse), one parallel, four serial ports (Customizable Pin definition for serial port 2, 3, and 4), one VGA, one DisplayPort		
PCIe Mini Card	None		
PCIe WLAN	None		
Bluetooth	None		
Audio	High Definition (HD) Audio, Realtek® ALC662-VD codec		
Speaker	None		
IEEE 1394	None		
Ethernet	One gigabit ethernet port, Realtek RTL8111F, Wake on LAN®		
Intel AMT	None		
Modem	None		
Security chip	None		
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Floor Stand	System floor stand for vertical orientation		
VESA mount	Supports VESA 100mm mount standard		
Power supply	65 watts adapter, autosensing 100-240V, 85% PSU		
Machine	<ul style="list-style-type: none">• Business black color; USFF (2L)• Fan-less, Cable-less Design• (Without stand) 2.2" W X 6.7" D X 8.7" H• (Without stand) 55mm W X 170mm D X 220mm H• (Without stand) 3.3 lb (1.48 kg) in maximum configuration		
Protocols	Citrix:	ICA, HDX (compatible with XenDesktop and XenApp)	
	Microsoft:	RDP, RemoteFX (WES 7 models only), RDS	
	VMWare:	VMware Horizon View through RDP VMware Horizon View through PCoIP	
Limited Warranty	1-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		

See footnotes for important warranty information
US model(s) announced September 3, 2013

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ThinkCentre M32 (10BV) - Thin Client (TopSeller) - 3-year onsite

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ⁶	Flash Memory	Optical	Graphics	DP to DVI dongle	Floor stand	Key-board/ Mouse	ENERGY STAR 6.0 Global	OS preload	Ann date (mm/dd/yy)	
10BV0004US	Celeron 807	2GBx1	1G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	None	None	LeTOS	09/03/13
10BV0000US	Celeron 807	2GBx1	8G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	ES6.0	None	WES 7	09/03/13
10BV0002US	Celeron 807	4GBx1	8G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	ES6.0	None	WES 7	09/03/13
10BV0000GUS	Celeron 847	2GBx1	1G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	None	None	LeTOS	12/10/13
10BV000HUS	Celeron 847	4GBx1	1G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	None	None	LeTOS	12/10/13
10BV000CUS	Celeron 847	2GBx1	8G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	ES6.0	None	WES 7	12/10/13
10BV000DUS	Celeron 847	4GBx1	8G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	ES6.0	None	WES 7	12/10/13

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- 3-year limited warranty

Positioning Processor	Mainstream Thin Client with better security and manageability for the enterprise Intel® Celeron® Processor 807 (1 cores / 2 threads, 1.5GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Celeron Processor 847 (2 cores / 2 threads, 1.1GHz, 2MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology		Preloaded operating system <i>Some:</i> Genuine Windows® Embedded Standard 7 (WES 7) <i>Some:</i> LeTOS (Lenovo Terminal Operating System, Linux-based)	
Memory	4GB max, PC3-12800 1600MHz DDR3* , one 204-pin SODIMM socket (notebook) * System automatically clocks down for processors with 1333MHz DDR3 memory controller		Preloaded applications (only some listed)	
Graphics	Intel HD Graphics in processor, uses main memory, DirectX® 10.1, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 2560x2048 (DisplayPort) @60Hz; 2560x1600 (VGA) @60Hz Optional DisplayPort to Single-link DVI-D dongle		- WES 7 only: <ul style="list-style-type: none">● Intel Management Engine Components● RDP Client● Citrix Client● VMware Client● Internet Explorer 9● Java● Flash● .Net Framework● Microsoft® Silverlight● Echo Agent● Ultra VNC● Adobe Reader● Intel Manageability Engine Firmware Recovery Agent	
DP dongle				
Flash Memory	1GB (LeTOS models) or 8GB (WES 7 models) / DOM (Disk On Module) Card			
Optical	None			
SATA controller	Serial ATA, SATA 3.0Gb/s support, integrated in chipset			
Onboard SATA	one SATA 3.0Gb/s connector for DOM Card			
eSATA port	None			
Chipset	Mobile Intel NM70 Express Chipset			
Front ports	Four USB 2.0, microphone (3.5mm), headphone (3.5mm)			
Rear ports	Two USB 2.0, ethernet (RJ-45), two PS/2 ports (keyboard and mouse), one parallel, four serial ports (Customizable Pin definition for serial port 2, 3, and 4), one VGA, one DisplayPort		- LeTOS only: <ul style="list-style-type: none">● xFreeRDP● Citrix ICA Client● VMware View Client● Java● Mozilla Firefox● NX NoMachine Client● X11 Client● VDI-In-A-Box Java Client● AnyConnect VPN Client	
PCIe Mini Card	None			
PCIe WLAN	None			
Bluetooth	None			
Audio	High Definition (HD) Audio, Realtek® ALC662-VD codec			
Speaker	None			
IEEE 1394	None			
Ethernet	One gigabit ethernet port, Realtek RTL8111F, Wake on LAN®			
Intel AMT	None			
Modem	None			
Security chip	None		Network-based Thin Client Management Tool - Lenovo Thin Client Manager (LTM)* *A license is included with the purchase of M32 and the utility is downloadable from website	
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Floor Stand	System floor stand for vertical orientation			
VESA mount	Supports VESA 100mm mount standard			
Power supply	65 watts adapter, autosensing 100-240V, 85% PSU			
Machine	<ul style="list-style-type: none">● Business black color; USFF (2L)● Fan-less, Cable-less Design● (Without stand) 2.2" W X 6.7" D X 8.7" H● (Without stand) 55mm W X 170mm D X 220mm H● (Without stand) 3.3 lb (1.48 kg) in maximum configuration		Security <ul style="list-style-type: none">● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)● Power-on password● Administrator password● Boot sequence control● Boot without keyboard and mouse● Individual USB port disablement● Serial port and parallel port disablement	
Protocols	Citrix:	ICA, HDX (compatible with XenDesktop and XenApp)	EPEAT™ Gold rating (WES models)	
	Microsoft:	RDP, RemoteFX (WES 7 models only), RDS	ENERGY STAR® 6.0 (WES models)	
	VMWare:	VMware Horizon View through RDP VMware Horizon View through PCoIP	GREENGUARD® certified	
			RoHS-compliant	
			WEEE	
			REACH	
			VMWare Ready Certification	
			Citrix Ready/HDX Ready Certification	
			MS RemoteFX Certification (WES models)	
			For compatible accessories, please go to TC-AQP sheet;	
			For Lenovo service upgrade options, please go to S-TC sheet	
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available			

See footnotes for important warranty information

US model(s) announced September 3, 2013 or December 10, 2013

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(CLVL1-2) December 2013

ThinkCentre M32 (10BM) - Thin Client (1-year depot)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ⁶	Flash Memory	Optical	Graphics	DP to DVI dongle	Floor stand	Key- board/ Mouse	ENERGY STAR 6.0	Global	OS preload	Ann date (mm/dd/yy)
10BM0001US	Celeron 807	2GBx1	1G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	None	None	LeTOS	09/03/13
10BM0004US	Celeron 807	2GBx1	8G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	ES6.0	None	WES 7	09/03/13
10BM000MUS	Celeron 807	4GBx1	8G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	ES6.0	None	WES 7	09/03/13
10BM000TUS	Celeron 807	4GBx1	1G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	None	None	LeTOS	12/10/13
10BM0013US	Celeron 847	2GBx1	1G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	None	None	LeTOS	12/10/13
10BM0015US	Celeron 847	4GBx1	1G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	None	None	LeTOS	12/10/13
10BM000YUS	Celeron 847	2GBx1	8G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	ES6.0	None	WES 7	12/10/13
10BM0010US	Celeron 847	4GBx1	8G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	ES6.0	None	WES 7	12/10/13

- 1-year depot warranty

Positioning Processor	Mainstream Thin Client with better security and manageability for the enterprise Intel® Celeron® Processor 807 (1 cores / 2 threads, 1.5GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Celeron Processor 847 (2 cores / 2 threads, 1.1GHz, 2MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology		Preloaded operating system <i>Some:</i> Genuine Windows® Embedded Standard 7 (WES 7) <i>Some:</i> LeTOS (Lenovo Terminal Operating System, Linux-based)
Memory	4GB max, PC3-12800 1600MHz DDR3* , one 204-pin SODIMM socket (notebook) * System automatically clocks down for processors with 1333MHz DDR3 memory controller		Preloaded applications (only some listed) - WES 7 only: <ul style="list-style-type: none">Intel Management Engine ComponentsRDP ClientCitrix ClientVMware ClientInternet Explorer 9JavaFlash.Net FrameworkMicrosoft® SilverlightEcho AgentUltra VNCAdobe ReaderIntel Manageability Engine Firmware Recovery Agent
Graphics	Intel HD Graphics in processor, uses main memory, DirectX® 10.1, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 2560x2048 (DisplayPort)@60Hz; 2560x1600 (VGA)@60Hz Optional DisplayPort to Single-link DVI-D dongle		- LeTOS only: <ul style="list-style-type: none">xFreeRDPCitrix ICA ClientVMware View ClientJavaMozilla FirefoxNX NoMachine ClientX11 ClientVDI-In-A-Box Java ClientAnyConnect VPN Client
DP dongle	Optional DisplayPort to Single-link DVI-D dongle		Network-based Thin Client Management Tool - Lenovo Thin Client Manager (LTM)* *A license is included with the purchase of M32 and the utility is downloadable from website Security <ul style="list-style-type: none">Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)Power-on passwordAdministrator passwordBoot sequence controlBoot without keyboard and mouseIndividual USB port disablementSerial port and parallel port disablement EPEAT™ Gold rating (WES models) ENERGY STAR® 6.0 (WES models) GREENGUARD® certified RoHS-compliant WEEE REACH VMWare Ready Certification Citrix Ready/HDX Ready Certification MS RemoteFX Certification (WES models) For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet
Flash Memory	1GB (LeTOS models) or 8GB (WES 7 models) / DOM (Disk On Module) Card		
Optical	None		
SATA controller	Serial ATA, SATA 3.0Gb/s support, integrated in chipset		
Onboard SATA	one SATA 3.0Gb/s connector for DOM Card		
eSATA port	None		
Chipset	Mobile Intel NM70 Express Chipset		
Front ports	Four USB 2.0, microphone (3.5mm), headphone (3.5mm)		
Rear ports	Two USB 2.0, ethernet (RJ-45), two PS/2 ports (keyboard and mouse), one parallel, four serial ports (Customizable Pin definition for serial port 2, 3, and 4), one VGA, one DisplayPort		
PCIe Mini Card	None		
PCIe WLAN	None		
Bluetooth	None		
Audio	High Definition (HD) Audio, Realtek® ALC662-VD codec		
Speaker	None		
IEEE 1394	None		
Ethernet	One gigabit ethernet port, Realtek RTL8111F, Wake on LAN®		
Intel AMT	None		
Modem	None		
Security chip	None		
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Floor Stand	System floor stand for vertical orientation		
VESA mount	Supports VESA 100mm mount standard		
Power supply	65 watts adapter, autosensing 100-240V, 85% PSU		
Machine	<ul style="list-style-type: none">Business black color; USFF (2L)Fan-less, Cable-less Design(Without stand) 2.2" W X 6.7" D X 8.7" H(Without stand) 55mm W X 170mm D X 220mm H(Without stand) 3.3 lb (1.48 kg) in maximum configuration		
Protocols	Citrix: Microsoft: VMWare:	ICA, HDX (compatible with XenDesktop and XenApp) RDP, RemoteFX (WES 7 models only), RDS VMware Horizon View through RDP VMware Horizon View through PCoIP	
Limited Warranty	1-years, depot repair service / service upgrades available		

See footnotes for important warranty information

US model(s) announced September 3, 2013 or December 10, 2013

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(CLVL1-6) December 2013

ThinkCentre M32 (10BM) - Thin Client (1-year onsite)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ⁸	Flash Memory	Optical	Graphics	DP to DVI dongle	Floor stand	Key- board/ Mouse	ENERGY STAR 6.0 Global	OS preload	Ann date (mm/dd/yy)	
10BM0000US	Celeron 807	2GBx1	1G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	None	None	LeTOS	09/03/13
10BM0002US	Celeron 807	2GBx1	8G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	ES6.0	None	WES 7	09/03/13

• 1-year limited warranty

Positioning	Processor		Mainstream Thin Client with better security and manageability for the enterprise		Preloaded operating system	
	Processor		Intel® Celeron® Processor 807 (1 cores / 2 threads, 1.5GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology		Some: Genuine Windows® Embedded Standard 7 (WES 7)	
	Memory		4GB max, PC3-12800 1600MHz DDR3*, one 204-pin SODIMM socket (notebook) * System automatically clocks down for processors with 1333MHz DDR3 memory controller		Some: LeTOS (Lenovo Terminal Operating System, Linux-based)	
	Graphics		Intel HD Graphics in processor, uses main memory, DirectX® 10.1, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x2048 (DisplayPort) @60Hz; 2560x1600 (VGA) @60Hz Optional DisplayPort to Single-link DVI-D dongle		Preloaded applications (only some listed)	
	DP dongle				- WES 7 only:	
	Flash Memory		1GB (LeTOS models) or 8GB (WES 7 models) / DOM (Disk On Module) Card		• Intel Management Engine Components	
	Optical		None		• RDP Client	
	SATA controller		Serial ATA, SATA 3.0Gb/s support, integrated in chipset		• Citrix Client	
	Onboard SATA		one SATA 3.0Gb/s connector for DOM Card		• VMware Client	
	eSATA port		None		• Internet Explorer 9	
	Chipset		Mobile Intel NM70 Express Chipset		• Java	
	Front ports		Four USB 2.0, microphone (3.5mm), headphone (3.5mm)		• Flash	
	Rear ports		Two USB 2.0, ethernet (RJ-45), two PS/2 ports (keyboard and mouse), one parallel, four serial ports (Customizable Pin definition for serial port 2, 3, and 4), one VGA, one DisplayPort		• .Net Framework	
	PCIe Mini Card		None		• Microsoft® Silverlight	
	PCIe WLAN		None		• Echo Agent	
	Bluetooth		None		• Ultra VNC	
	Audio		High Definition (HD) Audio, Realtek® ALC662-VD codec		• Adobe Reader	
	Speaker		None		• Intel Manageability Engine Firmware Recovery Agent	
	IEEE 1394		None		- LeTOS only:	
	Ethernet		One gigabit ethernet port, Realtek RTL8111F, Wake on LAN®		• xFreeRDP	
	Intel AMT		None		• Citrix ICA Client	
	Modem		None		• VMware View Client	
	Security chip		None		• Java	
	Keyboard		Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo		• Mozilla Firefox	
	Mouse		Enhanced Optical USB Mouse, black, Lenovo logo		• NX NoMachine Client	
	Floor Stand		System floor stand for vertical orientation		• X11 Client	
	VESA mount		Supports VESA 100mm mount standard		• VDI-In-A-Box Java Client	
	Power supply		65 watts adapter, autosensing 100-240V, 85% PSU		• AnyConnect VPN Client	
	Machine		• Business black color; USFF (2L) • Fan-less, Cable-less Design • (Without stand) 2.2" W X 6.7" D X 8.7" H • (Without stand) 55mm W X 170mm D X 220mm H • (Without stand) 3.3 lb (1.48 kg) in maximum configuration		Network-based Thin Client Management Tool - Lenovo Thin Client Manager (LTM)* *A license is included with the purchase of M32 and the utility is downloadable from website	
	Protocols		Citrix: ICA, HDX (compatible with XenDesktop and XenApp) Microsoft: RDP, RemoteFX (WES 7 models only), RDS VMWare: VMware Horizon View through RDP VMware Horizon View through PCoIP		Security	
					• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)	
					• Power-on password	
					• Administrator password	
					• Boot sequence control	
					• Boot without keyboard and mouse	
					• Individual USB port disablement	
					• Serial port and parallel port disablement	
					EPEAT™ Gold rating (WES models) ENERGY STAR® 6.0 (WES models) GREENGUARD® certified RoHS-compliant WEEE REACH VMWare Ready Certification Citrix Ready/HDX Ready Certification MS RemoteFX Certification (WES models)	
					For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet	
Limited Warranty	1-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available					

See footnotes for important warranty information
US model(s) announced September 3, 2013

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ThinkCentre M32 (10BM) - Thin Client (3-year onsite)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ⁶	Flash Memory	Optical	Graphics	DP to DVI dongle	Floor stand	Key- board/ Mouse	ENERGY STAR 6.0 Global	OS preload	Ann date (mm/dd/yy)	
10BM0006US	Celeron 807	2GBx1	1G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	None	None	LeTOS	09/03/13
10BM0005US	Celeron 807	2GBx1	8G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	ES6.0	None	WES 7	09/03/13
10BM0003US	Celeron 807	4GBx1	8G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	ES6.0	None	WES 7	09/03/13
10BM0008US	Celeron 807	4GBx1	8G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	ES6.0	None	WES 7	09/03/13
10BM000RUS	Celeron 847	2GBx1	1G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	None	None	LeTOS	12/10/13
10BM0014US	Celeron 847	4GBx1	1G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	None	None	LeTOS	12/10/13
10BM0011US	Celeron 847	2GBx1	8G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	ES6.0	None	WES 7	12/10/13
10BM0012US	Celeron 847	4GBx1	8G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	ES6.0	None	WES 7	12/10/13

●3-year limited warranty

Positioning Processor	Mainstream Thin Client with better security and manageability for the enterprise Intel® Celeron® Processor 807 (1 cores / 2 threads, 1.5GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Celeron Processor 847 (2 cores / 2 threads, 1.1GHz, 2MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology		Preloaded operating system <i>Some:</i> Genuine Windows® Embedded Standard 7 (WES 7) <i>Some:</i> LeTOS (Lenovo Terminal Operating System, Linux-based)
Memory	4GB max, PC3-12800 1600MHz DDR3* , one 204-pin SODIMM socket (notebook) * System automatically clocks down for processors with 1333MHz DDR3 memory controller		Preloaded applications (only some listed) - WES 7 only: <ul style="list-style-type: none">● Intel Management Engine Components● RDP Client● Citrix Client● VMware Client● Internet Explorer 9● Java● Flash● .Net Framework● Microsoft® Silverlight● Echo Agent● Ultra VNC● Adobe Reader● Intel Manageability Engine Firmware Recovery Agent
Graphics	Intel HD Graphics in processor, uses main memory, DirectX® 10.1, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 2560x2048 (DisplayPort) @60Hz; 2560x1600 (VGA) @60Hz Optional DisplayPort to Single-link DVI-D dongle		- LeTOS only: <ul style="list-style-type: none">● xFreeRDP● Citrix ICA Client● VMware View Client● Java● Mozilla Firefox● NX NoMachine Client● X11 Client● VDI-In-A-Box Java Client● AnyConnect VPN Client Network-based Thin Client Management Tool - Lenovo Thin Client Manager (LTM)* *A license is included with the purchase of M32 and the utility is downloadable from website
DP dongle			
Flash Memory	1GB (LeTOS models) or 8GB (WES 7 models) / DOM (Disk On Module) Card		
Optical	None		
SATA controller	Serial ATA, SATA 3.0Gb/s support, integrated in chipset		
Onboard SATA	one SATA 3.0Gb/s connector for DOM Card		
eSATA port	None		
Chipset	Mobile Intel NM70 Express Chipset		
Front ports	Four USB 2.0, microphone (3.5mm), headphone (3.5mm)		
Rear ports	Two USB 2.0, ethernet (RJ-45), two PS/2 ports (keyboard and mouse), one parallel, four serial ports (Customizable Pin definition for serial port 2, 3, and 4), one VGA, one DisplayPort		
PCIe Mini Card	None		
PCIe WLAN	None		
Bluetooth	None		
Audio	High Definition (HD) Audio, Realtek® ALC662-VD codec		
Speaker	None		
IEEE 1394	None		
Ethernet	One gigabit ethernet port, Realtek RTL8111F, Wake on LAN®		
Intel AMT	None		
Modem	None		
Security chip	None		
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Floor Stand	System floor stand for vertical orientation		
VESA mount	Supports VESA 100mm mount standard		
Power supply	65 watts adapter, autosensing 100-240V, 85% PSU		
Machine	<ul style="list-style-type: none">● Business black color; USFF (2L)● Fan-less, Cable-less Design● (Without stand) 2.2" W X 6.7" D X 8.7" H● (Without stand) 55mm W X 170mm D X 220mm H● (Without stand) 3.3 lb (1.48 kg) in maximum configuration		
Protocols	Citrix: Microsoft: VMWare:	ICA, HDX (compatible with XenDesktop and XenApp) RDP, RemoteFX (WES 7 models only), RDS VMware Horizon View through RDP VMware Horizon View through PCoIP	
Limited Warranty	3-years, limited onsite service. 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		
For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet			

US model(s) announced September 3, 2013 or December 10, 2013

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ThinkCentre M32 (10BM) - Thin Client (GMP)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Flash Memory	Optical	Graphics	DP to DVI dongle	Floor stand	Key-board/ Mouse	ENERGY STAR 6.0	Global (G) GMP (P)	OS preload	Ann date (mm/dd/yy)
10BM0009US	Celeron 807	2GBx1	1G DOM Card	None	Intel HD Graphics	DP to DVI	Floor stand	USB	None	G P	LeTOS	09/03/13
10BM000AUS	Celeron 807	2GBx1	8G DOM Card	None	Intel HD Graphics	DP to DVI	Floor stand	USB	ES6.0	G P	WES 7	09/03/13
10BM000BUS	Celeron 807	4GBx1	8G DOM Card	None	Intel HD Graphics	DP to DVI	Floor stand	USB	ES6.0	G P	WES 7	09/03/13
10BM0017US	Celeron 847	2GBx1	1G DOM Card	None	Intel HD Graphics	DP to DVI	Floor stand	USB	None	G P	LeTOS	12/24/13
10BM0018US	Celeron 847	2GBx1	8G DOM Card	None	Intel HD Graphics	DP to DVI	Floor stand	USB	ES6.0	G P	WES 7	12/24/13
10BM0019US	Celeron 847	4GBx1	8G DOM Card	None	Intel HD Graphics	DP to DVI	Floor stand	USB	ES6.0	G P	WES 7	12/24/13

- Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty
- 3-year limited warranty

Positioning	Mainstream Thin Client with better security and manageability for the enterprise		Preloaded operating system Some: Genuine Windows® Embedded Standard 7 (WES 7) Some: LeTOS (Lenovo Terminal Operating System, Linux-based)
Processor	Intel® Celeron® Processor 807 (1 cores / 2 threads, 1.5GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Celeron Processor 847 (2 cores / 2 threads, 1.1GHz, 2MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology		
Memory	4GB max, PC3-12800 1600MHz DDR3*, one 204-pin SODIMM socket (notebook) * System automatically clocks down for processors with 1333MHz DDR3 memory controller		Preloaded applications (only some listed) - WES 7 only: <ul style="list-style-type: none">● Intel Management Engine Components● RDP Client● Citrix Client● VMware Client● Internet Explorer 9● Java● Flash● .Net Framework● Microsoft® Silverlight● Echo Agent● Ultra VNC● Adobe Reader● Intel Manageability Engine Firmware Recovery Agent
Graphics	Intel HD Graphics in processor, uses main memory, DirectX® 10.1, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x2048 (DisplayPort) @60Hz; 2560x1600 (VGA) @60Hz Optional DisplayPort to Single-link DVI-D dongle		
DP dongle	Optional DisplayPort to Single-link DVI-D dongle		- LeTOS only: <ul style="list-style-type: none">● xFreeRDP● Citrix ICA Client● VMware View Client● Java● Mozilla Firefox● NX NoMachine Client● X11 Client● VDI-In-A-Box Java Client● AnyConnect VPN Client
Flash Memory	1GB (LeTOS models) or 8GB (WES 7 models) / DOM (Disk On Module) Card		
Optical	None		Network-based Thin Client Management Tool - Lenovo Thin Client Manager (LTM)* *A license is included with the purchase of M32 and the utility is downloadable from website
SATA controller	Serial ATA, SATA 3.0Gb/s support, integrated in chipset		
Onboard SATA	one SATA 3.0Gb/s connector for DOM Card		Security <ul style="list-style-type: none">● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)● Power-on password● Administrator password● Boot sequence control● Boot without keyboard and mouse● Individual USB port disablement● Serial port and parallel port disablement
eSATA port	None		
Chipset	Mobile Intel NM70 Express Chipset		EPEAT™ Gold rating (WES models) ENERGY STAR® 6.0 (WES models) GREENGUARD® certified RoHS-compliant WEEE REACH VMWare Ready Certification Citrix Ready/HDX Ready Certification MS RemoteFX Certification (WES models)
Front ports	Four USB 2.0, microphone (3.5mm), headphone (3.5mm)		
Rear ports	Two USB 2.0, ethernet (RJ-45), two PS/2 ports (keyboard and mouse), one parallel, four serial ports (Customizable Pin definition for serial port 2, 3, and 4), one VGA, one DisplayPort		For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet
PCIe Mini Card	None		
PCIe WLAN	None		
Bluetooth	None		
Audio	High Definition (HD) Audio, Realtek® ALC662-VD codec		
Speaker	None		
IEEE 1394	None		
Ethernet	One gigabit ethernet port, Realtek RTL8111F, Wake on LAN®		
Intel AMT	None		
Modem	None		
Security chip	None		
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Floor Stand	System floor stand for vertical orientation		
VESA mount	Supports VESA 100mm mount standard		
Power supply	65 watts adapter, autosensing 100-240V, 85% PSU		
Machine	<ul style="list-style-type: none">● Business black color; USFF (2L)● Fan-less, Cable-less Design● (Without stand) 2.2" W X 6.7" D X 8.7" H● (Without stand) 55mm W X 170mm D X 220mm H● (Without stand) 3.3 lb (1.48 kg) in maximum configuration		
Protocols	Citrix:	ICA, HDX (compatible with XenDesktop and XenApp)	
	Microsoft:	RDP, RemoteFX (WES 7 models only), RDS	
	VMWare:	VMware Horizon View through RDP VMware Horizon View through PCoIP	
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		

See footnotes for important warranty information

US model(s) announced September 3, 2013 or December 24, 2013

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(CLVL1-7) January 2014



ThinkCentre M53 Tiny with optional floor stand, wireless keyboard/mouse, and monitor



ThinkCentre M53 Tiny with optional floor stand



ThinkCentre M53 Tiny with optional VESA mount kit



ThinkCentre M53 Tiny with optional optical box



ThinkCentre M53 Tiny with optional I/O box



ThinkCentre M53 Tiny

ThinkCentre M53 Tiny Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron® Processor J1000 Series for Desktop or Intel Pentium® Processor J2000 Series for Desktop					Mechanical	<ul style="list-style-type: none"> Tiny (1L), business black color; metal case M53 Tiny only: 7.0" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 2.9 lb (1.3 kg), weight may vary by configuration With VESA mount & optical box: 7.2" W X 7.2" D X 2.55" H 184mm W X 182mm D X 65mm H 4.6 lb (2.1 kg), weight may vary by configuration Optional VESA mount bracket kit, supports VESA 75mm and 100mm Optional system floor stand for vertical orientation 	
	Processor	Cores / Threads	Frequency (Max/Base)	Cache	Memory Types			
	Celeron J1800	2 / 2	2.58 / 2.41 GHz	1MB	DDR3L-1333			
	Pentium J2900	4 / 4	2.58 / 2.41 GHz	2MB	DDR3L-1333			
Chipset	Intel one-chip platform, integrates processor core, graphics, memory controller, and Platform Controller Hub (PCH) in one chip					VESA mount	65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)	
Graphics	Intel HD Graphics in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz					Floor Stand		
Monitor cable	Optional DisplayPort to DVI-D or DisplayPort to HDMI monitor cable					Power supply	Limited warranty ³ <i>Some:</i> 1-year, depot service / service upgrades available <i>Some:</i> 1-year or 3-year, limited onsite service / service upgrades available <i>Some:</i> 3-year, limited onsite service, IWS (International Warranty Service ⁹) / service upgrades available <i>For Lenovo service upgrade options, please go to S-TC sheet</i>	
Memory	8GB max / DDR3 Low Voltage, DDR3L-1600*, non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller					Limited warranty ³		
Storage	<i>Some:</i> 8GB or 16GB / DOM (Disk On Module) Card <i>Some:</i> SATA 3.0Gb/s, 2.5" Wide, 5400 or 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 3.0Gb/s, 2.5" wide					Preload	<i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 <i>Some:</i> Windows 8.1 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit <i>Some:</i> Windows 8.1 with Bing 64-bit Ready to install applications (for Win7) • Rescue and Recovery™ • Password Manager Web install applications (for Win8.1) • Password Manager Preloaded applications (only some listed) - For both Windows 7 and Windows 8.1 • ThinkVantage System Update • Desktop Power Manager • Lenovo Solution Center • Lenovo Support • Lenovo Companion • Lenovo Reach • Lenovo SHAREit • Norton™ Internet Security (30 days of virus definitions) • Skype™ • Microsoft Office preloaded; purchase a product key to activate • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) • Evernote® • Nitro Pro - Only for Windows 7: • ThinkVantage® Product Recovery • ThinkVantage Communication Utility • ThinkVantage Device Experience • View Management Utility • Lenovo Message Center Plus - Only for Windows 8.1: • Cyberlink PowerDVD (DVD±RW, DVD) • AccuWeather • Norton™ Studio • Pokki • Hightail	
Optical	<i>Some:</i> Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" Wide <i>Some:</i> external optical box with slim DVD-ROM, 12.7mm high, tray-in, via USB <i>Some:</i> external optical box with slim DVD±RW, 12.7mm high, tray-in, via USB					Onboard SATA Media reader		
Onboard SATA Media reader	SATA 3.0Gb/s controller, one connectors on planar None					Front ports	<i>Some:</i> Genuine Windows® Embedded Standard 7 (WES 7) <i>Some:</i> LeTOS (Lenovo Terminal Operating System, Linux-based) Preloaded applications (only some listed) - WES 7 only: • Intel Management Engine Components • RDP Client (RDP 8 support) • Citrix Client • VMware Client • Internet Explorer 9 • Java • Flash • .Net Framework • Microsoft® Silverlight • Echo Agent • Lenovo Thin Client Manager (LTM) • Adobe Reader • Intel Manageability Engine Firmware Recovery Agent - LeTOS only: • xFreeRDP • Citrix ICA Client • VMware View Client • Java • Mozilla Firefox • NX NoMachine Client • X11 Client • AnyConnect VPN Client	
Rear ports	One USB 3.0 (Always On / Powered), one USB 2.0, one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)					Rear ports		
I/O box	Three USB 2.0 (optional external optical box or external I/O box occupies one specific USB 2.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort, one optional port (USB 2.0 or serial on selected models)					I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 2.0 port	
Audio support	High Definition (HD) Audio, Realtek ALC283 / optional internal speaker (1.5 watt)					Audio support		
WLAN ¹³	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8723BE, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8192EE, Wi-Fi + Bluetooth 4.0 combo adapter, 2x2 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2					Bluetooth™ Ethernet Modem	One gigabit ethernet port, Realtek RTL8111GN, Wake on LAN® None	
Bluetooth™ Ethernet Modem	One gigabit ethernet port, Realtek RTL8111GN, Wake on LAN® None					Manageability Security chip		
Manageability Security chip	None					Security features	<ul style="list-style-type: none"> Security slot (in rear for optional Kensington® MicroSaver® cable) Smart USB protection, allows keyboard/mouse only, blocks all storage devices Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Optional Chassis intrusion switch 	
Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), Lenovo logo <i>Some:</i> Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo <i>Some:</i> Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black <i>Some:</i> Enhanced Optical USB Mouse, black, Lenovo logo <i>Some:</i> Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black					Environment	ENERGY STAR® 6.0 (for Windows models only); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3	
Mouse						Accessories		
						Accessories	For compatible accessories, please go to TC-AQP sheet	

See footnotes for more detailed information

ThinkCentre M53 Tiny (10DC) - TopSeller

Product Specifications Reference (PSREF)

Model	Processor	Memory	Graphics	Storage	External Optical / I/O box	WLAN	Optional Port	Monitor Cable	Chassis Intrusion Switch	Floor Stand	VESA Mount	Key-board/ Mouse	Internal Speaker	Power Supply	Kensington Cable Lock	Preload	Base Warranty (year)	Global	Ann Date (mm/yy)
10DC0011US	Pentium J2900	4GBx1	Intel HD	500GB 7200	None	7260 b/g/n	None	None	None	Stand	None	USB	Speaker	65W	None	Win7 P64 DG Win8.1	3-onsite	No	08/14
10DC0012US	Pentium J2900	8GBx1	Intel HD	256GB SSD OPAL	None	7260 b/g/n	None	None	None	Stand	None	USB	Speaker	65W	None	Win7 P64 DG Win8.1	3-onsite	No	08/14
10DC001GUS	Pentium J2900	4GBx1	Intel HD	500GB 7200	None	RTL8723BE	None	None	None	None	None	USB	Speaker	65W	None	Win7 P64 DG Win8.1	1-onsite	No	12/14

• For detailed platform specifications, please see [ThinkCentre M53 Tiny Platform Specifications sheet](#)

Processor	Intel® Celeron® Processor J1000 Series* for Desktop or Intel Pentium® Processor J2000 Series* for Desktop						Manageability	None	
	Processor	Cores / Threads	Frequency (Max/Base)	Cache	Memory Types	Integrated Graphics	Security chip	None	
	Celeron J1800	2 / 2	2.58 / 2.41 GHz	1MB	DDR3L-1333	Intel HD	Security features	<ul style="list-style-type: none"> Security slot (in rear for optional Kensington® MicroSaver® cable) Smart USB protection, allows keyboard/ mouse only, blocks all storage devices Power-on password Administrator password 	
	Pentium J2900	4 / 4	2.58 / 2.41 GHz	2MB	DDR3L-1333	Intel HD		<ul style="list-style-type: none"> Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Optional Chassis intrusion switch 	
Chipset	Intel one-chip platform, integrates processor core, graphics, memory controller, and Platform Controller Hub (PCH) in one chip						Keyboard	USB: Preferred Pro USB Keyboard (USB connector), Lenovo logo USB(Slim): Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo	
Graphics	Intel HD Graphics in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort) @60Hz; 1920x1200 (VGA) @60Hz						Mouse	2.4G: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black USB: Enhanced Optical USB Mouse, black, Lenovo logo 2.4G: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black	
Monitor cable	Optional DisplayPort to DVI-D or DisplayPort to HDMI monitor cable						Mechanical	<ul style="list-style-type: none"> Tiny (1L), business black color; metal case 	
Memory	8GB max / DDR3 Low Voltage, DDR3L-1600*, non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller						VESA mount	M53 Tiny only: 7.0" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 2.9 lb (1.3 kg), weight may vary by configuration With VESA mount & optical box: 7.2" W X 7.2" D X 2.55" H 184mm W X 182mm D X 65mm H 4.6 lb (2.1 kg), weight may vary by configuration	
Storage	<i>Some:</i> 8GB or 16GB / DOM (Disk On Module) Card <i>Some:</i> SATA 3.0Gb/s, 2.5" Wide, 5400 or 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 3.0Gb/s, 2.5" wide						Floor Stand	Optional VESA mount bracket kit, supports VESA 75mm and 100mm Optional system floor stand for vertical orientation	
Optical	<i>Some:</i> Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" Wide <i>Some:</i> external optical box with slim DVD-ROM, 12.7mm high, tray-in, via USB <i>Some:</i> external optical box with slim DVD±RW, 12.7mm high, tray-in, via USB						Power supply	65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)	
Onboard SATA	SATA 3.0Gb/s controller, one connectors on planar						Limited warranty ³	<i>Some:</i> 1-year, depot service / service upgrades available <i>Some:</i> 1-year or 3-year, limited onsite service / service upgrades available <i>Some:</i> 3-year, limited onsite service, IWS (International Warranty Service®) / service upgrades available <i>For Lenovo service upgrade options, please go to S-TC sheet</i>	
Media reader	None						Preload	<i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 <i>Some:</i> Windows 8.1 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit <i>Some:</i> Windows 8.1 with Bing 64-bit <i>Some:</i> Genuine Windows® Embedded Standard 7 (WES 7) <i>Some:</i> LeTOS (Lenovo Terminal Operating System, Linux-based)	
Front ports	One USB 3.0 (Always On / Powered), one USB 2.0, one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)						Environment	ENERGY STAR® 6.0 (for Windows models only); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3	
Rear ports	Three USB 2.0 (optional external optical box or external I/O box occupies one specific USB 2.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort, one optional port (USB 2.0 or serial on selected models)						Accessories	For compatible accessories, please go to TC-AQP sheet	
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 2.0 port								
Audio support	High Definition (HD) Audio, Realtek ALC283 / optional internal speaker (1.5 watt)								
WLAN ¹³	<i>Some:</i> 11b/g/n wireless, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1 <i>Some:</i> 11b/g/n wireless, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2 <i>Some:</i> 11b/g/n, Intel Centrino® Wireless-N 7260, Wi-Fi + BT combo								
Bluetooth™	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								
Ethernet	One gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®								
Modem	None								

See footnotes for more detailed information

ThinkCentre M53 Tiny (10DE) - TopSeller

Product Specifications Reference (PSREF)

Model	Processor	Memory	Graphics	Storage	External Optical / I/O box	WLAN	Optional Port	Monitor Cable	Chassis Intrusion Switch	Floor Stand	VESA Mount	Key-board/ Mouse	Internal Speaker	Power Supply	Kensington Cable Lock	Preload	Base Warranty (year)	Global	Ann Date (mm/yy)
10DE0004US	Celeron J1800	4GBx1	Intel HD	500GB 7200	None	7260 b/g/n	None	None	None	Stand	None	USB	Speaker	65W	None	Win7 P64 DG Win8.1	3-onsite	No	08/14
10DE0005US	Celeron J1800	8GBx1	Intel HD	256GB SSD OPAL	None	7260 b/g/n	None	None	None	Stand	None	USB	Speaker	65W	None	Win7 P64 DG Win8.1	3-onsite	No	08/14
10DE001HUS	Celeron J1800	4GBx1	Intel HD	500GB 7200	None	RTL8723BE	None	None	None	None	None	USB	Speaker	65W	None	Win7 P64 DG Win8.1	1-onsite	No	12/14

• For detailed platform specifications, please see [ThinkCentre M53 Tiny Platform Specifications sheet](#)

Processor	Intel® Celeron® Processor J1000 Series* for Desktop or Intel Pentium® Processor J2000 Series* for Desktop						Manageability	None	
	Processor	Cores / Threads	Frequency (Max/Base)	Cache	Memory Types	Integrated Graphics	Security chip	None	
	Celeron J1800	2 / 2	2.58 / 2.41 GHz	1MB	DDR3L-1333	Intel HD	Security features	<ul style="list-style-type: none"> • Security slot (in rear for optional Kensington® MicroSaver® cable) • Smart USB protection, allows keyboard/ mouse only, blocks all storage devices • Power-on password • Administrator password 	
	Pentium J2900	4 / 4	2.58 / 2.41 GHz	2MB	DDR3L-1333	Intel HD		<ul style="list-style-type: none"> • Hard disk password • Boot sequence control • Boot without keyboard and mouse • Individual USB port disablement • Optional Chassis intrusion switch 	
Chipset	Intel one-chip platform, integrates processor core, graphics, memory controller, and Platform Controller Hub (PCH) in one chip						Keyboard	USB: Preferred Pro USB Keyboard (USB connector), Lenovo logo USB(Slim): Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo	
Graphics	Intel HD Graphics in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort) @60Hz; 1920x1200 (VGA) @60Hz						Mouse	2.4G: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black USB: Enhanced Optical USB Mouse, black, Lenovo logo 2.4G: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black	
Monitor cable	Optional DisplayPort to DVI-D or DisplayPort to HDMI monitor cable						Mechanical	<ul style="list-style-type: none"> • Tiny (1L), business black color; metal case 	
Memory	8GB max / DDR3 Low Voltage, DDR3L-1600*, non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller						VESA mount	M53 Tiny only: 7.0" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 2.9 lb (1.3 kg), weight may vary by configuration With VESA mount & optical box: 7.2" W X 7.2" D X 2.55" H 184mm W X 182mm D X 65mm H 4.6 lb (2.1 kg), weight may vary by configuration	
Storage	<i>Some:</i> 8GB or 16GB / DOM (Disk On Module) Card <i>Some:</i> SATA 3.0Gb/s, 2.5" Wide, 5400 or 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 3.0Gb/s, 2.5" wide						Floor Stand	Optional VESA mount bracket kit, supports VESA 75mm and 100mm Optional system floor stand for vertical orientation	
Optical	<i>Some:</i> Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" Wide <i>Some:</i> external optical box with slim DVD-ROM, 12.7mm high, tray-in, via USB <i>Some:</i> external optical box with slim DVD±RW, 12.7mm high, tray-in, via USB						Power supply	65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)	
Onboard SATA	SATA 3.0Gb/s controller, one connectors on planar						Limited warranty ³	<i>Some:</i> 1-year, depot service / service upgrades available <i>Some:</i> 1-year or 3-year, limited onsite service / service upgrades available <i>Some:</i> 3-year, limited onsite service, IWS (International Warranty Service®) / service upgrades available <i>For Lenovo service upgrade options, please go to S-TC sheet</i>	
Media reader	None						Preload	<i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 <i>Some:</i> Windows 8.1 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit <i>Some:</i> Windows 8.1 with Bing 64-bit <i>Some:</i> Genuine Windows® Embedded Standard 7 (WES 7) <i>Some:</i> LeTOS (Lenovo Terminal Operating System, Linux-based)	
Front ports	One USB 3.0 (Always On / Powered), one USB 2.0, one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)						Environment	ENERGY STAR® 6.0 (for Windows models only); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3	
Rear ports	Three USB 2.0 (optional external optical box or external I/O box occupies one specific USB 2.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort, one optional port (USB 2.0 or serial on selected models)						Accessories	For compatible accessories, please go to TC-AQP sheet	
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 2.0 port								
Audio support	High Definition (HD) Audio, Realtek ALC283 / optional internal speaker (1.5 watt)								
WLAN ¹³	<i>Some:</i> 11b/g/n wireless, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1 <i>Some:</i> 11b/g/n wireless, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2 <i>Some:</i> 11b/g/n, Intel Centrino® Wireless-N 7260, Wi-Fi + BT combo								
Bluetooth™	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								
Ethernet	One gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®								
Modem	None								

See footnotes for more detailed information

ThinkCentre M53 Tiny (10ED) - Thin Client (TopSeller)

Product Specifications Reference (PSREF)

Model	Processor	Memory	Graphics	Storage	External Optical / I/O box	WLAN	Optional Port	Monitor Cable	Chassis Intrusion Switch	Floor Stand	VESA Mount	Keyboard/ Mouse	Internal Speaker	Power Supply	Kensington Cable Lock	Preload	Base Warranty (year)	Global	Ann Date (mm/yy)
10ED0000US	Celeron J1800	2GBx1	Intel HD	16GB DOM Card	None	RTL8723BE	None	DP to DVI	None	Stand	None	USB	Speaker	65W	None	WES7	1-onsite	No	12/14
10ED0001US	Celeron J1800	4GBx1	Intel HD	16GB DOM Card	None	RTL8723BE	None	DP to DVI	None	Stand	None	USB	Speaker	65W	None	WES7	1-onsite	No	12/14
10ED0002US	Celeron J1800	2GBx1	Intel HD	8GB DOM Card	None	RTL8723BE	None	None	None	Stand	None	USB	Speaker	65W	None	LeTOS	1-Depot	No	12/14
10ED0003US	Celeron J1800	4GBx1	Intel HD	8GB DOM Card	None	RTL8723BE	None	None	None	Stand	None	USB	Speaker	65W	None	LeTOS	1-Depot	No	12/14
10ED0007US	Celeron J1800	2GBx1	Intel HD	8GB DOM Card	None	RTL8723BE	None	None	None	None	None	USB	Speaker	65W	None	LeTOS	1-onsite	No	01/15
10ED0008US	Celeron J1800	2GBx1	Intel HD	16GB DOM Card	None	RTL8723BE	None	None	None	None	None	USB	Speaker	65W	None	WES7	1-onsite	No	01/15
10ED0009US	Celeron J1800	4GBx1	Intel HD	8GB DOM Card	None	RTL8723BE	None	None	None	None	None	USB	Speaker	65W	None	LeTOS	1-onsite	No	01/15

• For detailed platform specifications, please see [ThinkCentre M53 Tiny Platform Specifications sheet](#)

Processor	Intel® Celeron® Processor J1000 Series* for Desktop or Intel Pentium® Processor J2000 Series* for Desktop						Manageability	None	
							Security chip	None	
	Processor	Cores / Threads	Frequency (Max/Base)	Cache	Memory Types	Integrated Graphics	Security features	<ul style="list-style-type: none">• Security slot (in rear for optional Kensington® MicroSaver® cable)• Smart USB protection, allows keyboard/ mouse only, blocks all storage devices• Power-on password• Administrator password <ul style="list-style-type: none">• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Individual USB port disablement• Optional <i>Chassis intrusion switch</i>	
	Celeron J1800	2 / 2	2.58 / 2.41 GHz	1MB	DDR3L-1333	Intel HD			
	Pentium J2900	4 / 4	2.58 / 2.41 GHz	2MB	DDR3L-1333	Intel HD			
Chipset	Intel one-chip platform, integrates processor core, graphics, memory controller, and Platform Controller Hub (PCH) in one chip							Keyboard	<i>USB:</i> Preferred Pro USB Keyboard (USB connector), Lenovo logo <i>USB(Slim):</i> Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo <i>2.4G:</i> Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black
Graphics	Intel HD Graphics in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz							Mouse	<i>USB:</i> Enhanced Optical USB Mouse, black, Lenovo logo <i>2.4G:</i> Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black
Monitor cable	Optional DisplayPort to DVI-D or DisplayPort to HDMI monitor cable								
Memory	8GB max / DDR3 Low Voltage, DDR3L-1600*, non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller							Mechanical	<ul style="list-style-type: none">• Tiny (1L), business black color; metal case M53 Tiny only: 7.0" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 2.9 lb (1.3 kg), weight may vary by configuration With VESA mount & optical box: 7.2" W X 7.2" D X 2.55" H 184mm W X 182mm D X 65mm H 4.6 lb (2.1 kg), weight may vary by configuration
Storage	<i>Some:</i> 8GB or 16GB / DOM (Disk On Module) Card <i>Some:</i> SATA 3.0Gb/s, 2.5" Wide, 5400 or 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 3.0Gb/s, 2.5" wide							VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm
Optical	<i>Some:</i> Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" Wide <i>Some:</i> external optical box with slim DVD-ROM, 12.7mm high, tray-in, via USB <i>Some:</i> external optical box with slim DVD±RW, 12.7mm high, tray-in, via USB							Floor Stand	Optional system floor stand for vertical orientation
Onboard SATA	SATA 3.0Gb/s controller, one connectors on planar							Power supply	65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)
Media reader	None							Limited warranty ³	<i>Some:</i> 1-year, depot service / service upgrades available <i>Some:</i> 1-year or 3-year, limited onsite service / service upgrades available <i>Some:</i> 3-year, limited onsite service, IWS (International Warranty Service®) / service upgrades available <i>For Lenovo service upgrade options, please go to S-TC sheet</i>
Front ports	One USB 3.0 (Always On / Powered), one USB 2.0, one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)							Preload	<i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 <i>Some:</i> Windows 8.1 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit <i>Some:</i> Windows 8.1 with Bing 64-bit <i>Some:</i> Genuine Windows® Embedded Standard 7 (WES 7) <i>Some:</i> LeTOS (Lenovo Terminal Operating System, Linux-based)
Rear ports	Three USB 2.0 (optional external optical box or external I/O box occupies one specific USB 2.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort, one optional port (USB 2.0 or serial on selected models)							Environment	ENERGY STAR® 6.0 (for Windows models only); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 2.0 port							Accessories	For compatible accessories, please go to TC-AQP sheet
Audio support	High Definition (HD) Audio, Realtek ALC283 / optional internal speaker (1.5 watt)								
WLAN ¹³	<i>Some:</i> 11b/g/n wireless, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1 <i>Some:</i> 11b/g/n wireless, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2 <i>Some:</i> 11b/g/n, Intel Centrino® Wireless-N 7260, Wi-Fi + BT combo								
Bluetooth™	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								
Ethernet	One gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®								
Modem	None								

See footnotes for more detailed information

ThinkCentre M53 Tiny (10DB)

Product Specifications Reference (PSREF)

Model	Processor	Memory	Graphics	Storage	External Optical / I/O box	WLAN	Optional Port	Monitor Cable	Chassis Intrusion Switch	Floor Stand	VESA Mount	Key-board/ Mouse	Internal Speaker	Power Supply	Kensington Cable Lock	Preload	Base Warranty (year)	Global	Ann Date (mm/yy)
10DB000WUS	Pentium J2900	4GBx1	Intel HD	500GB 7200	None	7260 b/g/n	None	None	None	None	None	USB	Speaker	65W	None	Win7 P64 DG Win8.1	3-onsite	No	08/14
10DB000XUS	Pentium J2900	8GBx1	Intel HD	256GB SSD	None	7260 b/g/n	None	None	None	None	None	USB	Speaker	65W	None	Win7 P64 DG Win8.1	3-onsite	No	08/14

• For detailed platform specifications, please see [ThinkCentre M53 Tiny Platform Specifications sheet](#)

Processor	Intel® Celeron® Processor J1000 Series* for Desktop or Intel Pentium® Processor J2000 Series* for Desktop						Manageability	None		
	Processor	Cores / Threads	Frequency (Max/Base)	Cache	Memory Types	Integrated Graphics	Security chip	None		
							Security features	● Security slot (in rear for optional Kensington® MicroSaver® cable)		● Hard disk password
								● Smart USB protection, allows keyboard/ mouse only, blocks all storage devices		● Boot sequence control
Chipset	Intel one-chip platform, integrates processor core, graphics, memory controller, and Platform Controller Hub (PCH) in one chip							● Power-on password		● Individual USB port disablement
								● Administrator password		● Optional Chassis intrusion switch
							Keyboard	USB: Preferred Pro USB Keyboard (USB connector), Lenovo logo		
Graphics	Intel HD Graphics in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz							USB(Slim): Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo		
Monitor cable	Optional DisplayPort to DVI-D or DisplayPort to HDMI monitor cable						Mouse	2.4G: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black		
Memory	8GB max / DDR3 Low Voltage, DDR3L-1600*, non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller							USB: Enhanced Optical USB Mouse, black, Lenovo logo		
Storage	Some: 8GB or 16GB / DOM (Disk On Module) Card Some: SATA 3.0Gb/s, 2.5" Wide, 5400 or 7200 rpm Some: 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 3.0Gb/s, 2.5" wide						Mechanical	2.4G: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black		
Optical	Some: Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" Wide Some: external optical box with slim DVD-ROM, 12.7mm high, tray-in, via USB Some: external optical box with slim DVD±RW, 12.7mm high, tray-in, via USB							● Tiny (1L), business black color; metal case		
Onboard SATA	SATA 3.0Gb/s controller, one connectors on planar							M53 Tiny only:		
Media reader	None							7.0" W X 7.2" D X 1.4" H		
Front ports	One USB 3.0 (Always On / Powered), one USB 2.0, one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)							179mm W X 182mm D X 34.5mm H		
Rear ports	Three USB 2.0 (optional external optical box or external I/O box occupies one specific USB 2.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort, one optional port (USB 2.0 or serial on selected models)							2.9 lb (1.3 kg), weight may vary by configuration		
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 2.0 port							With VESA mount & optical box:		
Audio support	High Definition (HD) Audio, Realtek ALC283 / optional internal speaker (1.5 watt)							7.2" W X 7.2" D X 2.55" H		
WLAN ¹³	Some: 11b/g/n wireless, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1 Some: 11b/g/n wireless, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2 Some: 11b/g/n, Intel Centrino® Wireless-N 7260, Wi-Fi + BT combo						VESA mount	184mm W X 182mm D X 65mm H		
Bluetooth™	Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter						Floor Stand	4.6 lb (2.1 kg), weight may vary by configuration		
Ethernet	One gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®							Optional VESA mount bracket kit, supports VESA 75mm and 100mm		
Modem	None							Optional system floor stand for vertical orientation		
							Power supply	65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)		
							Limited warranty ³	Some: 1-year, depot service / service upgrades available		
								Some: 1-year or 3-year, limited onsite service / service upgrades available		
								Some: 3-year, limited onsite service, IWS (International Warranty Service ⁹) / service upgrades available		
								For Lenovo service upgrade options, please go to S-TC sheet		
							Preload	Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit		
								Some: Windows 7 Professional 64		
								Some: Windows 8.1 64-bit		
								Some: Windows 8.1 Pro 64-bit		
								Some: Windows 8.1 with Bing 64-bit		
								Some: Genuine Windows® Embedded Standard 7 (WES 7)		
								Some: LeTOS (Lenovo Terminal Operating System, Linux-based)		
							Environment	ENERGY STAR® 6.0 (for Windows models only); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3		
							Accessories	For compatible accessories, please go to TC-AQP sheet		

See footnotes for more detailed information

ThinkCentre M53 Tiny (10DD)

Product Specifications Reference (PSREF)

Model	Processor	Memory	Graphics	Storage	External Optical / I/O box	WLAN	Optional Port	Monitor Cable	Chassis Intrusion Switch	Floor Stand	VESA Mount	Key-board/ Mouse	Internal Speaker	Power Supply	Kensington Cable Lock	Preload	Base Warranty (year)	Global	Ann Date (mm/yy)
10DD000QUS	Celeron J1800	8GBx1	Intel HD	256GB SSD	None	7260 b/g/n	None	None	None	None	None	USB	Speaker	65W	None	Win7 P64 DG Win8.1	3-onsite	No	08/14
10DD000PUS	Celeron J1800	4GBx1	Intel HD	500GB 7200	None	7260 b/g/n	None	None	None	None	None	USB	Speaker	65W	None	Win7 P64 DG Win8.1	3-onsite	No	08/14

• For detailed platform specifications, please see [ThinkCentre M53 Tiny Platform Specifications sheet](#)

Processor	Intel® Celeron® Processor J1000 Series* for Desktop or Intel Pentium® Processor J2000 Series* for Desktop						Manageability	None	
							Security chip	None	
	Processor	Cores / Threads	Frequency (Max/Base)	Cache	Memory Types	Integrated Graphics	Security features	<ul style="list-style-type: none">• Security slot (in rear for optional Kensington® MicroSaver® cable)• Smart USB protection, allows keyboard/ mouse only, blocks all storage devices• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Individual USB port disablement• Optional <i>Chassis intrusion switch</i>	
	Celeron J1800	2 / 2	2.58 / 2.41 GHz	1MB	DDR3L-1333	Intel HD			
	Pentium J2900	4 / 4	2.58 / 2.41 GHz	2MB	DDR3L-1333	Intel HD			
Chipset	Intel one-chip platform, integrates processor core, graphics, memory controller, and Platform Controller Hub (PCH) in one chip						Keyboard	<i>USB:</i> Preferred Pro USB Keyboard (USB connector), Lenovo logo <i>USB(Slim):</i> Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo <i>2.4G:</i> Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black	
Graphics	Intel HD Graphics in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz						Mouse	<i>USB:</i> Enhanced Optical USB Mouse, black, Lenovo logo <i>2.4G:</i> Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black	
Monitor cable	Optional DisplayPort to DVI-D or DisplayPort to HDMI monitor cable								
Memory	8GB max / DDR3 Low Voltage, DDR3L-1600*, non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller						Mechanical	<ul style="list-style-type: none">• Tiny (1L), business black color; metal case M53 Tiny only: 7.0" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 2.9 lb (1.3 kg), weight may vary by configuration With VESA mount & optical box: 7.2" W X 7.2" D X 2.55" H 184mm W X 182mm D X 65mm H 4.6 lb (2.1 kg), weight may vary by configuration	
Storage	<i>Some:</i> 8GB or 16GB / DOM (Disk On Module) Card <i>Some:</i> SATA 3.0Gb/s, 2.5" Wide, 5400 or 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 3.0Gb/s, 2.5" wide						VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm	
Optical	<i>Some:</i> Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" Wide <i>Some:</i> external optical box with slim DVD-ROM, 12.7mm high, tray-in, via USB <i>Some:</i> external optical box with slim DVD±RW, 12.7mm high, tray-in, via USB						Floor Stand	Optional system floor stand for vertical orientation	
Onboard SATA	SATA 3.0Gb/s controller, one connectors on planar						Power supply	65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)	
Media reader	None						Limited warranty ³	<i>Some:</i> 1-year, depot service / service upgrades available <i>Some:</i> 1-year or 3-year, limited onsite service / service upgrades available <i>Some:</i> 3-year, limited onsite service, IWS (International Warranty Service®) / service upgrades available <i>For Lenovo service upgrade options, please go to S-TC sheet</i>	
Front ports	One USB 3.0 (Always On / Powered), one USB 2.0, one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)						Preload	<i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 <i>Some:</i> Windows 8.1 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit <i>Some:</i> Windows 8.1 with Bing 64-bit <i>Some:</i> Genuine Windows™ Embedded Standard 7 (WES 7) <i>Some:</i> LeTOS (Lenovo Terminal Operating System, Linux-based)	
Rear ports	Three USB 2.0 (optional external optical box or external I/O box occupies one specific USB 2.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort, one optional port (USB 2.0 or serial on selected models)						Environment	ENERGY STAR® 6.0 (for Windows models only); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3	
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 2.0 port						Accessories	For compatible accessories, please go to TC-AQP sheet	
Audio support	High Definition (HD) Audio, Realtek ALC283 / optional internal speaker (1.5 watt)								
WLAN ¹³	<i>Some:</i> 11b/g/n wireless, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1 <i>Some:</i> 11b/g/n wireless, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2 <i>Some:</i> 11b/g/n, Intel Centrino® Wireless-N 7260, Wi-Fi + BT combo								
Bluetooth™	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								
Ethernet	One gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®								
Modem	None								

See footnotes for more detailed information

ThinkCentre M53 Tiny (10DX) - TIO models

Product Specifications Reference (PSREF)

Model	Processor	Memory	Graphics	Storage	External Optical / I/O box	WLAN	Optional Port	Monitor Cable	Chassis Intrusion Switch	Floor Stand	VESA Mount	Key-board/ Mouse	Internal Speaker	Power Supply	Kensington Cable Lock	Preload	Base Warranty (year)	Global	Ann Date (mm/yy)
10DX000JUS	Celeron J1800	4GBx1	Intel HD	500GB 5400	None	RTL8723BE	None	None	Switch	None	None	USB	Speaker	None	None	Win7 P64 DG Win8.1	3-onsite, IWS	Global	10/14
10DX000KUS	Celeron J1800	4GBx1	Intel HD	500GB 7200	None	RTL8723BE	None	None	Switch	None	None	USB	Speaker	None	None	Win7 P64 DG Win8.1	3-onsite, IWS	Global	10/14

• For detailed platform specifications, please see [ThinkCentre M53 Tiny Platform Specifications sheet](#)

Processor	Intel® Celeron® Processor J1000 Series* for Desktop or Intel Pentium® Processor J2000 Series* for Desktop						Manageability	None		
	Processor	Cores / Threads	Frequency (Max/Base)	Cache	Memory Types	Integrated Graphics	Security chip	None		
							Security features	● Security slot (in rear for optional Kensington® MicroSaver® cable)		● Hard disk password
								● Smart USB protection, allows keyboard/ mouse only, blocks all storage devices		● Boot sequence control
Celeron J1800	2 / 2	2.58 / 2.41 GHz	1MB	DDR3L-1333	Intel HD		● Power-on password		● Individual USB port disablement	
Pentium J2900	4 / 4	2.58 / 2.41 GHz	2MB	DDR3L-1333	Intel HD		● Administrator password		● Optional Chassis intrusion switch	
Chipset	Intel one-chip platform, integrates processor core, graphics, memory controller, and Platform Controller Hub (PCH) in one chip						Keyboard	USB: Preferred Pro USB Keyboard (USB connector), Lenovo logo USB(Slim): Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo		
Graphics	Intel HD Graphics in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz Optional DisplayPort to DVI-D or DisplayPort to HDMI monitor cable						Mouse	2.4G: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black USB: Enhanced Optical USB Mouse, black, Lenovo logo 2.4G: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black		
Monitor cable										
Memory	8GB max / DDR3 Low Voltage, DDR3L-1600*, non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller						Mechanical	● Tiny (1L), business black color; metal case M53 Tiny only: 7.0" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 2.9 lb (1.3 kg), weight may vary by configuration With VESA mount & optical box: 7.2" W X 7.2" D X 2.55" H 184mm W X 182mm D X 65mm H 4.6 lb (2.1 kg), weight may vary by configuration		
Storage	Some: 8GB or 16GB / DOM (Disk On Module) Card Some: SATA 3.0Gb/s, 2.5" Wide, 5400 or 7200 rpm Some: 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 3.0Gb/s, 2.5" wide						VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm		
Optical	Some: Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" Wide Some: external optical box with slim DVD-ROM, 12.7mm high, tray-in, via USB Some: external optical box with slim DVD±RW, 12.7mm high, tray-in, via USB						Floor Stand	Optional system floor stand for vertical orientation		
Onboard SATA	SATA 3.0Gb/s controller, one connectors on planar						Power supply	65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)		
Media reader	None						Limited warranty ³	Some: 1-year, depot service / service upgrades available Some: 1-year or 3-year, limited onsite service / service upgrades available Some: 3-year, limited onsite service, IWS (International Warranty Service ⁹) / service upgrades available For Lenovo service upgrade options, please go to S-TC sheet		
Front ports	One USB 3.0 (Always On / Powered), one USB 2.0, one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)						Preload	Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Some: Windows 7 Professional 64 Some: Windows 8.1 64-bit Some: Windows 8.1 Pro 64-bit Some: Windows 8.1 with Bing 64-bit Some: Genuine Windows® Embedded Standard 7 (WES 7) Some: LeTOS (Lenovo Terminal Operating System, Linux-based)		
Rear ports	Three USB 2.0 (optional external optical box or external I/O box occupies one specific USB 2.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort, one optional port (USB 2.0 or serial on selected models)						Environment	ENERGY STAR® 6.0 (for Windows models only); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3		
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 2.0 port						Accessories	For compatible accessories, please go to TC-AQP sheet		
Audio support	High Definition (HD) Audio, Realtek ALC283 / optional internal speaker (1.5 watt)									
WLAN ¹³	Some: 11b/g/n wireless, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1 Some: 11b/g/n wireless, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2 Some: 11b/g/n, Intel Centrino® Wireless-N 7260, Wi-Fi + BT combo									
Bluetooth™	Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter									
Ethernet	One gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®									
Modem	None									

See footnotes for more detailed information

ThinkCentre M53 Tiny (10EC) - Thin Client

Product Specifications Reference (PSREF)

Model	Processor	Memory	Graphics	Storage	External Optical / I/O box	WLAN	Optional Port	Monitor Cable	Chassis Intrusion Switch	Floor Stand	VESA Mount	Keyboard/ Mouse	Internal Speaker	Power Supply	Kensington Cable Lock	Preload	Base Warranty (year)	Global	Ann Date (mm/yy)
10EC000HUS	Celeron J1800	2GBx1	Intel HD	16GB DOM Card	None	None	None	None	None	None	None	USB	Speaker	65W	None	WES7	1-onsite	No	12/14
10EC000JUS	Celeron J1800	4GBx1	Intel HD	16GB DOM Card	None	RTL8723BE	None	None	None	None	None	USB	Speaker	65W	None	WES7	1-onsite	No	12/14
10EC000KUS	Celeron J1800	2GBx1	Intel HD	8GB DOM Card	None	None	None	None	None	None	None	USB	Speaker	65W	None	LeTOS	1-onsite	No	12/14
10EC000LUS	Celeron J1800	4GBx1	Intel HD	8GB DOM Card	None	RTL8723BE	None	None	None	None	None	USB	Speaker	65W	None	LeTOS	1-onsite	No	12/14
10EC000NUS	Celeron J1800	2GBx1	Intel HD	16GB DOM Card	None	RTL8723BE	None	None	None	None	None	USB	Speaker	65W	None	WES7	1-onsite	No	01/15
10EC000MUS	Celeron J1800	2GBx1	Intel HD	8GB DOM Card	None	RTL8723BE	None	None	None	None	None	USB	Speaker	65W	None	LeTOS	1-onsite	No	01/15

• For detailed platform specifications, please see [ThinkCentre M53 Tiny Platform Specifications sheet](#)

Processor	Intel® Celeron® Processor J1000 Series* for Desktop or Intel Pentium® Processor J2000 Series* for Desktop						Manageability	None		
	Processor	Cores / Threads	Frequency (Max/Base)	Cache	Memory Types	Integrated Graphics	Security chip	None		
	Celeron J1800	2 / 2	2.58 / 2.41 GHz	1MB	DDR3L-1333	Intel HD	Security features	<ul style="list-style-type: none"> Security slot (in rear for optional Kensington® MicroSaver® cable) Smart USB protection, allows keyboard/ mouse only, blocks all storage devices Power-on password Administrator password 		
	Pentium J2900	4 / 4	2.58 / 2.41 GHz	2MB	DDR3L-1333	Intel HD		<ul style="list-style-type: none"> Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Optional Chassis intrusion switch 		
Chipset	Intel one-chip platform, integrates processor core, graphics, memory controller, and Platform Controller Hub (PCH) in one chip						Keyboard	USB: Preferred Pro USB Keyboard (USB connector), Lenovo logo USB(Slim): Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo		
Graphics	Intel HD Graphics in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort) @60Hz; 1920x1200 (VGA) @60Hz						Mouse	2.4G: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black USB: Enhanced Optical USB Mouse, black, Lenovo logo 2.4G: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black		
Monitor cable	Optional DisplayPort to DVI-D or DisplayPort to HDMI monitor cable						Mechanical	<ul style="list-style-type: none"> Tiny (1L), business black color; metal case M53 Tiny only: 7.0" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 2.9 lb (1.3 kg), weight may vary by configuration With VESA mount & optical box: 7.2" W X 7.2" D X 2.55" H 184mm W X 182mm D X 65mm H 4.6 lb (2.1 kg), weight may vary by configuration 		
Memory	8GB max / DDR3 Low Voltage, DDR3L-1600*, non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller						VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm		
Storage	<i>Some:</i> 8GB or 16GB / DOM (Disk On Module) Card <i>Some:</i> SATA 3.0Gb/s, 2.5" Wide, 5400 or 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 3.0Gb/s, 2.5" wide						Floor Stand	Optional system floor stand for vertical orientation		
Optical	<i>Some:</i> Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" Wide <i>Some:</i> external optical box with slim DVD-ROM, 12.7mm high, tray-in, via USB <i>Some:</i> external optical box with slim DVD±RW, 12.7mm high, tray-in, via USB						Power supply	65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)		
Onboard SATA Media reader	SATA 3.0Gb/s controller, one connectors on planar None						Limited warranty ³	<i>Some:</i> 1-year, depot service / service upgrades available <i>Some:</i> 1-year or 3-year, limited onsite service / service upgrades available <i>Some:</i> 3-year, limited onsite service, IWS (International Warranty Service®) / service upgrades available For Lenovo service upgrade options, please go to S-TC sheet		
Front ports	One USB 3.0 (Always On / Powered), one USB 2.0, one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)						Preload	<i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 <i>Some:</i> Windows 8.1 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit <i>Some:</i> Windows 8.1 with Bing 64-bit <i>Some:</i> Genuine Windows® Embedded Standard 7 (WES 7) <i>Some:</i> LeTOS (Lenovo Terminal Operating System, Linux-based)		
Rear ports	Three USB 2.0 (optional external optical box or external I/O box occupies one specific USB 2.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort, one optional port (USB 2.0 or serial on selected models)						Environment	ENERGY STAR® 6.0 (for Windows models only); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3		
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 2.0 port						Accessories	For compatible accessories, please go to TC-AQP sheet		
Audio support	High Definition (HD) Audio, Realtek ALC283 / optional internal speaker (1.5 watt)									
WLAN ¹³	<i>Some:</i> 11b/g/n wireless, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1 <i>Some:</i> 11b/g/n wireless, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2 <i>Some:</i> 11b/g/n, Intel Centrino® Wireless-N 7260, Wi-Fi + BT combo									
Bluetooth™	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter									
Ethernet	One gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®									
Modem	None									

See footnotes for more detailed information



ThinkCentre M73 Tiny
with Optional WLAN



ThinkCentre M73 Tiny with
ThinkVision Monitor



ThinkCentre M73 Tiny
with optional I/O Box



ThinkCentre M73 Tiny with
ThinkVision Monitor



ThinkCentre M73 Tiny with
optional External Optical Box



ThinkCentre M73 Tiny



ThinkCentre M73 Small
and Mini Tower



ThinkCentre M73 Small
with ThinkVision Monitor



ThinkCentre M73 Small



ThinkCentre M73 Mini Tower
with ThinkVision Monitor



ThinkCentre M73 Mini Tower



ThinkCentre M73 Mini Tower

ThinkCentre M73 Tiny (10AY) - Thin Client (TopSeller)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Flash Memory	External optical / I/O box	Graphics	PCIe Mini Card WLAN / BT	Optional port	Chassis intrusion switch	Floor stand	VESA mount	Keyboard / mouse	Preload	Ann date (mm/dd/yy)
10AY0037US	G1820T	2GBx1	8G DOM Card	None	Intel HD	Intel 105	None	None	Stand	None	USB	WES 7	02/25/14
10AY0038US	G1820T	2GBx1	8G DOM Card	None	Intel HD	Intel 105	None	None	Stand	None	USB	LeTOS	02/25/14
10AY0039US	G1820T	4GBx1	8G DOM Card	None	Intel HD	Intel 105	None	None	Stand	None	USB	WES 7	02/25/14

• 1-year depot warranty

Positioning	Essential business features, exceptional value		Preloaded operating system	
Processor	Intel® Celeron® G1820T Processor (2 cores / 2 threads, 2.4GHz, 2MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller		Some: Genuine Windows® Embedded Standard 7 (WES 7)	
Implementation	Processor in LGA1150 socket		Some: LeTOS (Lenovo Terminal Operating System, Linux-based)	
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook), <i>System automatically clocks down for processors with 1333MHz DDR3 memory controller</i>		Preloaded applications (only some listed)	
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports up to dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i>		- WES 7 only: <ul style="list-style-type: none">• Intel Management Engine Components• RDP Client• Citrix Client• VMware Client• Internet Explorer 9• Java• Flash• .Net Framework• Microsoft® Silverlight• Echo Agent• Ultra VNC• Adobe Reader• Intel Manageability Engine Firmware Recovery Agent	
DP dongle	None		- LeTOS only: <ul style="list-style-type: none">• xFreeRDP• Citrix ICA Client• VMware View Client• Java• Mozilla Firefox• NX NoMachine Client• X11 Client• VDI-In-A-Box Java Client• AnyConnect VPN Client	
Flash Memory	8GB / DOM (Disk On Module) Card		Security <ul style="list-style-type: none">• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Individual USB port disablement• <i>Chassis intrusion switch on selected model(s)</i>	
External optical	<i>Some:</i> Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in, via USB 2.0			
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset		EPEAT™ Gold rating (WES models)	
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar		ENERGY STAR® 6.0 (WES models) \	
eSATA port	None		Cisco EnergyWise compatible	
Chipset	Intel H81 Express Chipset		GREENGUARD® certified	
Front ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)		RoHS-compliant	
Rear ports	Three USB 2.0 (optional external optical box or external I/O box occupies one specific USB 2.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial on selected models)		Supports ThinkVantage Technologies	
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 2.0 port		For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet	
PCIe Mini Card	One PCI Express® Mini Card slot			
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2			
Bluetooth	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1			
Audio	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter			
Speaker	High Definition (HD) Audio, Realtek® ALC283 codec			
Ethernet	Internal speaker for business audio (1.5 watt)			
Intel AMT	Gigabit ethernet port, Intel I217-V, Wake on LAN®			
Modem	None			
Security chip	None			
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Floor Stand	Optional System floor stand for vertical orientation			
VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm mount standard			
Power supply	65 watts AC/DC adapter, autosensing, 88% PSU			
Mechanical	<ul style="list-style-type: none">• Tiny (1L), business black color; metal case• <i>M73 Tiny only:</i><ul style="list-style-type: none">7.0" W X 7.2" D X 1.4" H179mm W X 182mm D X 34.5mm H2.9 lb (1.3 kg), weight may vary by configuration• <i>With VESA mount & optical box:</i><ul style="list-style-type: none">7.2" W X 7.2" D X 2.55" H184mm W X 182mm D X 65mm H5.1lb (2.3 kg), weight may vary by configuration			
Limited Warranty	1-years - depot repair service / service upgrades available			

See footnotes for important warranty information
US model(s) announced February 25, 2013

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ThinkCentre M73 Tiny (10AY) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical / I/O box	Graphics	PCIe Mini Card WLAN / BT	Optional port	Chassis intrusion switch	Floor stand	VESA mount	Keyboard / mouse	Preload	Ann date (mm/dd/yy)
10AY0005US	i5-4570T	4GBx1	128G SSD	DVD±RW	HD 4600	Intel 2230	USB	None	None	Mount	USB	Win7 Pro64 (DG)	10/01/13
10AY0006US	i7-4765T	4GBx1	128G SSD	DVD±RW	HD 4600	Intel 2230	USB	None	None	Mount	USB	Win7 Pro64 (DG)	10/01/13
10AY001RUS	i3-4130T	4GBx1	500G 7200	None	HD 4400	Intel 105	None	None	Stand	None	USB	Win7 Pro64 (DG)	10/01/13
10AY001SUS	i3-4130T	4GBx1	500G Hybrid	None	HD 4400	Intel 105	None	None	Stand	None	USB	Win7 Pro64 (DG)	10/01/13
10AY001TUS	G3220T	4GBx1	500G 7200	None	Intel HD	Intel 105	None	None	Stand	None	USB	Win7 Pro64 (DG)	10/01/13
10AY001UUS	G3220T	4GBx1	500G Hybrid	None	Intel HD	Intel 105	None	None	None	Mount	USB	Win7 Pro64 (DG)	10/01/13
10AY001VUS	i3-4130T	8GBx1	500G Hybrid	None	HD 4400	Intel 2230	None	None	None	Mount	USB	Win7 Pro64 (DG)	10/01/13
10AY001WUS	i3-4130T	4GBx1	500G 7200	DVD±RW	HD 4400	Intel 105	None	None	None	Mount	USB	Win7 Pro64 (DG)	10/01/13
10AY001XUS	i5-4570T	4GBx1	500G Hybrid	DVD±RW	HD 4600	Intel 105	USB	None	None	Mount	USB	Win7 Pro64 (DG)	10/22/13
10AY0004US	i5-4570T	4GBx1	500G Hybrid	DVD±RW	HD 4600	None	USB	None	None	Mount	USB	Win7 Pro64 (DG)	10/22/13
10AY0020US	i5-4570T	4GBx1	128G SSD	None	HD 4600	Intel 2230	None	None	Stand	None	USB	Win7 Pro64 (DG)	11/12/13
10AY001YUS	i5-4570T	4GBx1	500G Hybrid	None	HD 4600	Intel 2230	None	None	Stand	None	USB	Win7 Pro64 (DG)	11/12/13
10AY002SUS	G1820T	4GBx1	500G 7200	None	Intel HD	7260 ac	None	None	Stand	None	USB	Win7 P64 DG Win8.1	01/14/14
10AY003AUS	i5-4570T	4GBx1	128G SSD	None	HD 4600	Intel 6235	None	None	Stand	None	USB	Win7 Pro64 (DG)	02/11/14
Positioning	<i>Essential business features, exceptional value</i>										Preloaded operating system		
Processor	Intel® Celeron® G1820T Processor (2 cores / 2 threads, 2.4GHz, 2MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Pentium® G3220T Processor (2 cores / 2 threads, 2.6GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i3-4130T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4570T Processor (2 cores / 4 threads, 2.9GHz, 4MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4765T Processor (4 cores / 8 threads, 2.0GHz, 8MB cache), Turbo Boost 2.0 (3.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket										Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit		
Implementation											Ready to install applications (only some listed) ● Rescue and Recovery™ ● Password Manager		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook), <i>System automatically clocks down for processors with 1333MHz memory controller</i>										Preloaded applications (only some listed) ● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Communication Utility ● ThinkVantage Power Manager ● View Management Utility ● PC Device Stage ● Lenovo Cloud Storage by SugarSync ● Lenovo Solution Center ● Norton™ Internet Security (30 days of virus definitions) ● Adobe® Reader® ● Skype™ ● Evernote® ● Microsoft® Office preloaded; purchase a product key to activate ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Nitro Pro		
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports up to dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i>												
DP dongle	None												
Disk	<i>Some: SATA 6.0Gb/s, 2.5" Wide, 7200 rpm</i> <i>Some: 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide</i> <i>Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide</i>												
External optical	<i>Some: Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in, via USB 2.0</i>												
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset												
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar												
eSATA port	None												
Chipset	Intel H81 Express Chipset												
Front ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)												
Rear ports	Three USB 2.0 (optional external optical box or external I/O box occupies one specific USB 2.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial on selected models)												
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 2.0 port												
PCIe Mini Card	One PCI Express® Mini Card slot												
PCIe WLAN	<i>Some: 11ac/a/b/g/n wireless, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo adapter, 2x2</i> <i>Some: 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino Advanced-N 6235, Wi-Fi + Bluetooth combo adapter, 2x2</i> <i>Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + BT combo adapter, 2x2</i> <i>Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1</i> <i>Some: Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter</i>												
Bluetooth	High Definition (HD) Audio, Realtek® ALC283 codec										Security ● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) ● Power-on password ● Administrator password ● Hard disk password ● Boot sequence control ● Boot without keyboard and mouse ● Individual USB port disablement ● Chassis intrusion switch on selected model(s)		
Audio	Internal speaker for business audio (1.5 watt)												
Speaker	Gigabit ethernet port, Intel I217-V, Wake on LAN®												
Ethernet	None												
Intel AMT	None												
Security chip	None												
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo										EPEAT™ Gold rating		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo										ENERGY STAR® 6.0-compliant		
Floor Stand	Optional System floor stand for vertical orientation										Cisco EnergyWise compatible		
VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm mount standard										GREENGUARD® certified		
Power supply	65 watts AC/DC adapter, autosensing, 88% PSU										RoHS-compliant		
Mechanical	● Tiny (1L), business black color; metal case ● M73 Tiny only: 7.0" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 2.9 lb (1.3 kg), weight may vary by configuration ● With VESA mount & optical box: 7.2" W X 7.2" D X 2.55" H 184mm W X 182mm D X 65mm H 5.1lb (2.3 kg), weight may vary by configuration										Supports ThinkVantage Technologies		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available										For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet		

Preloaded operating system

Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit

Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit

Ready to install applications (only some listed)

- Rescue and Recovery™
- Password Manager

Preloaded applications (only some listed)

- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- ThinkVantage Power Manager
- View Management Utility
- PC Device Stage
- Lenovo Cloud Storage by SugarSync
- Lenovo Solution Center
- Lenovo Message Center Plus
- Norton™ Internet Security (30 days of virus definitions)
- Adobe® Reader®
- Skype™
- Evernote®
- Microsoft® Office preloaded; purchase a product key to activate
- Cyberlink Power2Go (DVD±RW)
- Cyberlink PowerProducer (DVD±RW)
- Nitro Pro

Security

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Chassis intrusion switch on selected model(s)

EPEAT™ Gold rating
 ENERGY STAR® 6.0-compliant
 Cisco EnergyWise compatible
 GREENGUARD® certified
 RoHS-compliant

Supports ThinkVantage Technologies

For compatible accessories, please go to TC-AQP sheet;
 For Lenovo service upgrade options, please go to S-TC sheet

ThinkCentre M73 Tiny (10AY) - TopSeller - II

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical / I/O box	Graphics	PCIe Mini Card WLAN / BT	Optional port	Chassis intrusion switch	Floor stand	VESA mount	Keyboard / mouse	Preload	Ann date (mm/dd/yy)
10AY003JUS	G3220T	4GBx1	500G 7200	None	Intel HD	BCM4352	Serial	None	Stand	None	USB	Win7 P64 DG Win8.1	04/01/14
10AY003KUS	i5-4570T	4GBx1	500G 7200	None	HD 4600	N7260	Serial	None	Stand	None	USB	Win7 P64 DG Win8.1	04/01/14
10AY003HUS	i3-4130T	4GBx1	500G 7200	None	HD 4400	N7260	Serial	None	Stand	None	USB	Win7 P64 DG Win8.1	04/01/14

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- 3-year limited warranty

Positioning	<i>Essential business features, exceptional value</i>											Preloaded operating system
Processor	Intel® Pentium® G3220T Processor (2 cores / 2 threads, 2.6GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i3-4130T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4570T Processor (2 cores / 4 threads, 2.9GHz, 4MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket											Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) • Rescue and Recovery™ • Password Manager Preloaded applications (only some listed) • ThinkVantage® Product Recovery • ThinkVantage System Update • ThinkVantage Communication Utility • ThinkVantage Power Manager • View Management Utility • PC Device Stage • Lenovo Cloud Storage by SugarSync • Lenovo Solution Center • Lenovo Message Center Plus • Norton™ Internet Security (30 days of virus definitions) • Adobe® Reader® • Skype™ • Evernote® • Microsoft® Office preloaded; purchase a product key to activate • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) • Nitro Pro
Implementation	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook), <i>System automatically clocks down for processors with 1333MHz memory controller</i>											
Memory												
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports up to dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz;</i> 1920x1200 (VGA)@60Hz (Reduced Blanking)											
DP dongle	None											
Disk	<i>Some:</i> SATA 6.0Gb/s, 2.5" Wide, 7200 rpm											
External optical	None											
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset											
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar											
eSATA port	None											
Chipset	Intel H81 Express Chipset											
Front ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)											
Rear ports	Three USB 2.0 (optional external optical box or external I/O box occupies one specific USB 2.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial on selected models)											
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 2.0 port											
PCIe Mini Card	One PCI Express® Mini Card slot											
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11ac/b/g/n wireless, PCIe Half Mini Card, Broadcom BCM4352, dual band (2.4/5GHz), Wi-Fi + Bluetooth combo adapter, 2x2											
Bluetooth	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter											
Audio	High Definition (HD) Audio, Realtek® ALC283 codec											
Speaker	Internal speaker for business audio (1.5 watt)											
Ethernet	Gigabit ethernet port, Intel I217-V, Wake on LAN®											
Intel AMT	None											
Security chip	None											
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo											
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo											
Floor Stand	Optional System floor stand for vertical orientation											
VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm mount standard											
Power supply	65 watts AC/DC adapter, autosensing, 88% PSU											
Mechanical	• Tiny (1L), business black color; metal case • <i>M73 Tiny only:</i> 7.0" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 2.9 lb (1.3 kg), weight may vary by configuration 7.2" W X 7.2" D X 2.55" H 184mm W X 182mm D X 65mm H 5.1lb (2.3 kg), weight may vary by configuration • <i>With VESA mount & optical box:</i>											Security • Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard and mouse • Individual USB port disablement • Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 6.0-compliant Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available											

See footnotes for important warranty information
US model(s) announced April 1, 2014

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ThinkCentre M73 Tiny (10AY) - TopSeller - III

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical / I/O box	Graphics	PCle Mini Card WLAN / BT	Optional port	Chassis intrusion switch	Floor stand	VESA mount	Keyboard / mouse	Preload	Ann date (mm/dd/yy)
10AY0081US	G3240T	4GBx1	500G 5400	None	Intel HD	8723BE	None	None	Stand	None	USB(slim)	Win7 P64 DG Win8.1	10/14/14
10AY0082US	i3-4150T	4GBx1	500G 7200	None	HD 4400	7260 b/g/n	None	None	Stand	None	USB	Win7 P64 DG Win8.1	10/14/14
10AY0083US	i3-4150T	4GBx1	180G SSD	None	HD 4400	7260 b/g/n	None	None	Stand	None	USB	Win7 P64 DG Win8.1	10/14/14
10AY0085US	i3-4150T	8GBx1	256G SSD	None	HD 4400	7260 b/g/n	None	None	Stand	None	USB	Win7 P64 DG Win8.1	10/14/14
10AY0086US	i3-4150T	4GBx1	500G 7200	None	HD 4400	7260 b/g/n	Serial	None	Stand	None	USB	Win7 P64 DG Win8.1	10/14/14
10AY0087US	i3-4150T	4GBx1	500G 7200	None	HD 4400	7260 b/g/n	Serial	None	None	Mount	USB	Win7 P64 DG Win8.1	10/14/14
10AY0088US	i5-4590T	8GBx1	256G SSD	None	HD 4600	7260 b/g/n	None	None	Stand	None	USB	Win7 P64 DG Win8.1	10/14/14
10AY0089US	i5-4590T	4GBx1	500G 7200	None	HD 4600	7260 b/g/n	None	None	Stand	None	USB	Win7 P64 DG Win8.1	10/14/14
10AY008AUS	i5-4590T	4GBx1	180G SSD	None	HD 4600	7260 b/g/n	None	None	Stand	None	USB	Win7 P64 DG Win8.1	10/14/14
10AY008BUS	i5-4590T	4GBx1	180G SSD	None	HD 4600	7260 b/g/n	Serial	None	Stand	None	USB	Win7 P64 DG Win8.1	10/14/14
10AY008CUS	i5-4590T	4GBx1	500G 7200	None	HD 4600	7260 b/g/n	Serial	None	Stand	None	USB	Win7 P64 DG Win8.1	10/14/14
10AY008DUS	i7-4785T	4GBx1	500G 7200	None	HD 4600	7260 b/g/n	Serial	None	Stand	None	USB	Win7 P64 DG Win8.1	10/14/14
10AY008EUS	i7-4785T	8GBx1	256G SSD	None	HD 4600	7260 b/g/n	Serial	None	Stand	None	USB	Win7 P64 DG Win8.1	10/14/14
10AY008FUS	i7-4785T	4GBx1	180G SSD	None	HD 4600	7260 b/g/n	Serial	None	Stand	None	USB	Win7 P64 DG Win8.1	10/14/14
Positioning Processor	<i>Essential business features, exceptional value</i> Intel® Pentium® G3240T Processor (2 cores / 2 threads, 2.7GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i3-4150T Processor (2 cores / 4 threads, 3.0GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4590T Processor (4 cores / 4 threads, 2.0GHz, 6MB cache), Turbo Boost 2.0 (3.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4785T Processor (4 cores / 8 threads, 2.2GHz, 8MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller											Preloaded operating system Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit	
Implementation	Processor in LGA1150 socket											Ready to install applications (only some listed)	
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook), <i>System automatically clocks down for processors with 1333MHz memory controller</i>											<ul style="list-style-type: none">Rescue and Recovery™Password Manager Preloaded applications (only some listed)	
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports up to dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i>											<ul style="list-style-type: none">ThinkVantage® Product RecoveryThinkVantage System UpdateThinkVantage Communication UtilityThinkVantage Power ManagerView Management UtilityPC Device StageLenovo Cloud Storage by SugarSyncLenovo Solution CenterLenovo Message Center PlusNorton™ Internet Security (30 days of virus definitions)Adobe® Reader®Skype™Evernote®Microsoft® Office preloaded; purchase a product key to activateCyberlink Power2Go (DVD±RW)Cyberlink PowerProducer (DVD±RW)Nitro Pro	
DP dongle	None											Security <ul style="list-style-type: none">Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)Power-on passwordAdministrator passwordHard disk passwordBoot sequence controlBoot without keyboard and mouseIndividual USB port disablementChassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 6.0-compliant Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies	
Disk	<i>Some: harddisk, 2.5" Wide, 5400 or 7200 rpm</i> <i>Some: 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide</i> <i>Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide</i>												
External optical	<i>Some: Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in, via USB 2.0</i>												
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset												
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar												
eSATA port	None												
Chipset	Intel H81 Express Chipset												
Front ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)												
Rear ports	Three USB 2.0 (optional external optical box or external I/O box occupies one specific USB 2.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial on selected models)												
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 2.0 port												
PCle Mini Card	One PCI Express® Mini Card slot												
PCle WLAN	<i>Some: 11ac/a/b/g/n wireless, PCle Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT 4.0 combo adapter, 2x2</i> <i>Some: 11b/g/n wireless, PCle Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth 4.0 combo adapter, 2x2</i> <i>Some: 11b/g/n wireless, PCle Half Mini Card, Realtek RTL8723BE, Wi-Fi/BT 4.0, 1x1</i>												
Bluetooth	<i>Some: Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter</i>												
Audio	High Definition (HD) Audio, Realtek® ALC283 codec												
Speaker	Internal speaker for business audio (1.5 watt)												
Ethernet	Gigabit ethernet port, Intel I217-V, Wake on LAN®												
Intel AMT	None												
Security chip	None												
Keyboard	<i>Some: Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo</i> <i>Some: Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo</i>												
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo												
Floor Stand	Optional System floor stand for vertical orientation												
VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm mount standard												
Power supply	65 watts AC/DC adapter, autosensing, 88% PSU												
Mechanical	<ul style="list-style-type: none">Tiny (1L), business black color; metal caseM73 Tiny only: 7.0" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 2.9 lb (1.3 kg), weight may vary by configurationWith VESA mount & optical box: 7.2" W X 7.2" D X 2.55" H 184mm W X 182mm D X 65mm H 5.1lb (2.3 kg), weight may vary by configuration												
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available												

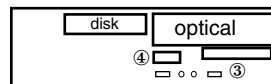
ThinkCentre M73 Small (10B6) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Chassis Intrusion switch	2nd Serial / Parallel	Floor stand	ENERGY STAR 6.0 Global	Preload	Ann date (mm/dd/yy)
10B60008US	3x4	i5-4570	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	Stand	None	None	Win7 Pro64 (DG) 10/01/13
10B60009US	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	None	HD 4400	None	None	Stand	None	None	Win7 Pro64 (DG) 10/01/13
10B6000AUS	3x4	G3220	2GBx1	500G 7200	DVD±RW	None	None	Intel HD	None	None	Stand	None	None	Win7 Pro64 (DG) 10/01/13
10B6000BUS	3x4	G3220	4GBx1	500G 7200	DVD±RW	None	None	Intel HD	None	None	Stand	None	None	Win7 Pro64 (DG) 10/01/13
10B6000FUS	3x4	i3-4130	8GBx1	1TB 7200	DVD±RW	N105	None	GT620	None	Serial	Stand	None	None	Win7 Pro64 (DG) 10/01/13
10B6000GUS	3x4	G3220	4GBx1	500G Hybrid	DVD±RW	N105	None	Intel HD	None	Serial	Stand	None	None	Win7 Pro64 (DG) 10/01/13
10B6000PUS	3x4	i5-4570	4GBx1	128G SSD	DVD±RW	None	None	HD 4600	None	None	Stand	None	None	Win7 Pro64 (DG) 11/12/13
10B6000QUS	3x4	i7-4770	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	Stand	None	None	Win7 Pro64 (DG) 11/12/13
10B6000RUS	3x4	i7-4770	4GBx1	500G Hybrid	DVD±RW	None	None	HD 4600	None	None	Stand	None	None	Win7 Pro64 (DG) 11/12/13

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- 3-year limited warranty

Positioning	<i>Essential business features, exceptional value</i>											Preloaded operating system		
Processor	Intel® Pentium® G3220 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket											Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none"> • Rescue and Recovery™ • Password Manager 		
Implementation	Processor in LGA1150 socket											Preloaded applications (only some listed)		
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller											<ul style="list-style-type: none"> • ThinkVantage® Product Recovery • ThinkVantage System Update • ThinkVantage Communication Utility • ThinkVantage Power Manager • View Management Utility • PC Device Stage • Lenovo Cloud Storage by SugarSync • Lenovo Solution Center • Lenovo Message Center Plus • Norton™ Internet Security (30 days of virus definitions) • Adobe® Reader® • Skype™ • Evernote® • Microsoft® Office preloaded; purchase a product key to activate • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) • Nitro Pro 		
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking) <i>Some:</i> NVIDIA® GeForce® GT 620 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; <i>Max resolution:</i> 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz													
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide <i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive													
Optical	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset													
SATA controller	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar													
Onboard SATA	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar													
eSATA port	None													
Media reader	Optional 9-in-1 media reader, internal USB 2.0													
Chipset	Intel H81 Express Chipset													
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)													
Rear ports	Two USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DisplayPort													
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)													
Audio	High Definition (HD) Audio, Realtek® ALC662 codec													
PCIe WLAN ⁴	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1													
Bluetooth	None													
Speaker	Internal speaker for business audio (1 watt) (*No internal speaker for 10B6000PUS)													
IEEE 1394	None													
Ethernet	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®													
Manageability	None													
Modem	None													
Security chip	None													
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo													
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo													
Floor Stand	Optional system floor stand for vertical orientation													
Power supply	240 watts, autosensing, active PFC													
Machine	<ul style="list-style-type: none"> • Business black color; metal case • 13.2" W X 15.0" D X 3.9" H • 335mm W X 382mm D X 101mm H • 14.6 lb (6.6 kg) in maximum configuration • Highlighted optical drive button for easy access 													
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 2.5", N/A, no access, opt 2nd SSD* Bay 4: 1.5", .35" high, access, opt reader* *bay only available on models with HDD/SSD/reader installed													
Slot	Slot 1: Low Profile, PCIe 2.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x1													
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available													



Security
<ul style="list-style-type: none"> • One lock to secure both cover and entire system to fixed object: <ul style="list-style-type: none"> - Padlock loop (in rear for opt padlock) - Security slot (in rear for optional Kensington® MicroSaver® cable) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard and mouse • Serial port I/O control • Individual USB port disablement • Chassis intrusion switch on selected model(s)
Cisco EnergyWise compatible
GREENGUARD® certified
RoHS-compliant
Supports ThinkVantage Technologies
For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet

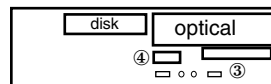
ThinkCentre M73 Small (10B6) - TopSeller - II

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCle WLAN	Media reader	Graphics	Chassis Intrusion switch	2nd Serial / Parallel	Floor stand	ENERGY STAR 6.0	Global	Preload	Ann date (mm/dd/yy)
10B6000XUS	3x4	i5-4570	4GBx1	500G 7200	DVD±RW	None	None	HD 7450	None	None	Stand	None	None	Win7 P64 DG	02/04/14
10B6000YUS	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	None	HD 7450	None	None	Stand	None	None	Win7 P64 DG	02/04/14
10B60011US	3x4	G1820	4GBx1	500G 7200	DVD±RW	None	None	HD 7450	None	None	Stand	None	None	Win7 P64 DG	02/04/14
10B60013US	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	None	HD 4400	None	None	Stand	None	None	Win7 P64 DG	02/11/14
10B60012US	3x4	G3220	2GBx1	500G 7200	DVD±RW	None	None	Intel HD	None	None	Stand	None	None	Win7 P64 DG	02/11/14
10B60014US	3x4	i5-4570	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	Stand	None	None	Win7 P64 DG	02/11/14
10B60015US	3x4	i5-4570	4GBx1	128G SSD	DVD±RW	None	None	HD 4600	None	None	Stand	None	None	Win7 P64 DG	03/25/14

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- 3-year limited warranty

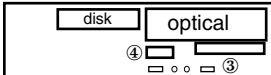
Positioning	<i>Essential business features, exceptional value</i>												Preloaded operating system		
Processor	Intel® Celeron® G1820 Processor (2 cores / 2 threads, 2.7GHz, 2MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Pentium® G3220 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket												Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none"> • Rescue and Recovery™ • Password Manager 		
Implementation	Processor in LGA1150 socket												Preloaded applications (only some listed)		
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller												<ul style="list-style-type: none"> • ThinkVantage® Product Recovery • ThinkVantage System Update • ThinkVantage Communication Utility • ThinkVantage Power Manager • View Management Utility • PC Device Stage • Lenovo Cloud Storage by SugarSync • Lenovo Solution Center • Lenovo Message Center Plus • Norton™ Internet Security (30 days of virus definitions) • Adobe® Reader® • Skype™ • Evernote® • Microsoft® Office preloaded; purchase a product key to activate • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) • Nitro Pro 		
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 2560x1600 (DisplayPort) @60Hz; 1920x1200 (VGA) @60Hz (Reduced Blanking) <i>Some:</i> AMD Radeon™ HD 7450 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 25 watts; <i>Max resolution:</i> 2560x1600 (DisplayPort, DVI-I) @60Hz														
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide <i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive														
Optical	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset														
SATA controller	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar														
Onboard SATA	None														
eSATA port	Optional 9-in-1 media reader, internal USB 2.0														
Media reader	None														
Chipset	Intel H81 Express Chipset														
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)														
Rear ports	Two USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DisplayPort														
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)														
Audio	High Definition (HD) Audio, Realtek® ALC662 codec														
PCIe WLAN ⁴	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1														
Bluetooth	None														
Speaker	Internal speaker for business audio (1 watt)														
IEEE 1394	None														
Ethernet	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®														
Manageability	None														
Modem	None														
Security chip	None														
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo														
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo														
Floor Stand	Optional system floor stand for vertical orientation														
Power supply	240 watts, autosensing, active PFC														
Machine	<ul style="list-style-type: none"> • Business black color; metal case • 13.2" W X 15.0" D X 3.9" H • 335mm W X 382mm D X 101mm H • 14.6 lb (6.6 kg) in maximum configuration • Highlighted optical drive button for easy access 														
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 2.5", N/A, no access, opt 2nd SSD* Bay 4: 1.5", .35" high, access, opt reader* *bay only available on models with HDD/SSD/reader installed														
Slot	Slot 1: Low Profile, PCIe 2.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x1														
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available														



ThinkCentre M73 Small (10B6) - TopSeller - III

Product Specifications Reference (PSREF)

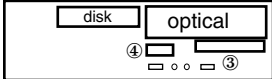
Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Chassis Intrusion switch	2nd Serial / Parallel	Floor stand	ENERGY STAR 6.0	Global	Preload	Ann date (mm/yy)
10B6001SUS	3x4	i5-4590	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	None	None	None	Win7 P64 DG Win8.1	10/14
10B6001NUS	3x4	i3-4150	4GBx1	180G SSD	DVD±RW	None	None	HD 4400	None	None	None	None	None	Win7 P64 DG Win8.1	10/14
10B6001AUS	3x4	i3-4150	4GBx1	500G 7200	DVD±RW	None	None	HD 4400	None	None	None	None	None	Win7 P64 DG Win8.1	10/14
10B6001RUS	3x4	G3240	2GBx1	500G 7200	DVD±RW	None	None	Intel HD	None	None	None	None	None	Win7 P64 DG Win8.1	10/14
10B6001TUS	3x4	i5-4590	8GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	None	None	None	Win7 P64 DG Win8.1	10/14
10B6001PUS	3x4	i3-4150	8GBx1	256G SSD	DVD±RW	None	None	HD 4400	None	None	None	None	None	Win7 P64 DG Win8.1	10/14
10B6001VUS	3x4	i5-4590	4GBx1	180G SSD	DVD±RW	None	None	HD 4600	None	None	None	None	None	Win7 P64 DG Win8.1	10/14
10B6001QUS	3x4	G3240	4GBx1	500G 7200	DVD±RW	None	None	Intel HD	None	None	None	None	None	Win7 P64 DG Win8.1	10/14
10B6001UUS	3x4	i5-4590	8GBx1	256G SSD	DVD±RW	None	None	HD 4600	None	None	None	None	None	Win7 P64 DG Win8.1	10/14
10B6001WUS	3x4	i5-4590	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	None	None	None	Win7 P64 DG Win8.1	10/14
10B6001YUS	3x4	i3-4150	4GBx1	1TB 7200	DVD±RW	7260 b/g/n	None	HD 4400	None	P	None	None	None	Win7 P64 DG Win8.1	10/14
10B6001XUS	3x4	i3-4150	4GBx1	500G 7200	DVD±RW	None	None	HD 4400	None	P	None	None	None	Win7 P64 DG Win8.1	10/14

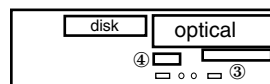
Positioning Processor	Essential business features, exceptional value Intel® Pentium® G3240 Processor (2 cores / 2 threads, 3.1GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i3-4150 Processor (2 cores / 4 threads, 3.5GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4590 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller		Preloaded operating system	
Implementation	Processor in LGA1150 socket		Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit	
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller		Ready to install applications (only some listed)	
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i> <i>Some: AMD Radeon™ HD 7450, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 25 watts; Max resolution: 2560x1600 (DisplayPort, DVI-I)@60Hz</i>		Preloaded applications (only some listed)	
Disk	<i>Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide Some: Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive</i>		<ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Power Manager• View Management Utility• PC Device Stage• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Evernote®• Microsoft® Office preloaded; purchase a product key to activate• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Nitro Pro	
Optical	<i>Some: SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset</i>			
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset			
Onboard SATA	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar			
eSATA port	None			
Media reader	Optional 9-in-1 media reader, internal USB 2.0			
Chipset	Intel H81 Express Chipset			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Two USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DisplayPort			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
PCIe WLAN ⁴	<i>Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth 4.0 combo adapter, 2x2</i>			
Bluetooth	<i>Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter</i>			
Speaker	Internal speaker for business audio (1 watt)			
IEEE 1394	None			
Ethernet	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®			
Manageability	None			
Modem	None			
Security chip	None			
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo		Security	
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		<ul style="list-style-type: none">• One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Serial port I/O control• Individual USB port disablement• Chassis intrusion switch on selected model(s)	
Floor Stand	Optional system floor stand for vertical orientation			
Power supply	240 watts, autosensing, active PFC			
Machine	<ul style="list-style-type: none">• Business black color; metal case• 13.2" W X 15.0" D X 3.9" H• 335mm W X 382mm D X 101mm H• 14.6 lb (6.6 kg) in maximum configuration• Highlighted optical drive button for easy access			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 2.5", N/A, no access, opt 2nd SSD* Bay 4: 1.5", .35" high, access, opt reader* *bay only available on models with HDD/SSD/reader installed			
Slot	Slot 1: Low Profile, PCIe 2.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x1		Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant	
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		Supports ThinkVantage Technologies	
			For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet	

ThinkCentre M73 Small (10B5) - ES 6.0 (TopSeller)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Pro-processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Chassis Intrusion switch	2nd Serial / Parallel	Floor stand	ENERGY STAR 6.0	Internal Speaker	Preload	Ann date (mm/dd/yy)
10B50001US	3x4	i5-4570	4GBx2	500G Hybrid	DVD±RW	N2230	None	GT 620	None	S P	None	ES6.0	Speaker	Win7 Pro64 (DG)	10/13
10B5000MUS	3x4	G1820	4GBx1	500G 7200	DVD±RW	None	None	Intel HD	None	None	Floor	ES6.0	Speaker	Win7 P64 DG Win8.1	01/14
10B5000TUS	3x4	G3240	2GBx1	500G 7200	DVD±RW	None	None	Intel HD	None	None	Floor	ES6.0	Speaker	Win7 P64 DG Win8.1	10/14
10B5000WUS	3x4	i3-4150	2GBx1	1TB 7200	DVD±RW	7260 b/g/n	None	HD 4400	None	None	Floor	ES6.0	None	Win7 P64 DG Win8.1	10/14
10B5000VUS	3x4	i3-4150	4GBx1	500G 7200	DVD±RW	None	None	HD 4400	None	None	Floor	ES6.0	None	Win7 P64 DG Win8.1	10/14
10B5000UUS	3x4	G3240	4GBx1	500G 7200	DVD±RW	None	None	Intel HD	None	None	Floor	ES6.0	Speaker	Win7 P64 DG Win8.1	10/14

Positioning Processor	<i>Essential business features, exceptional value</i> Intel® Celeron® G1820 Processor (2 cores / 2 threads, 2.7GHz, 2MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Pentium® G3240 Processor (2 cores / 2 threads, 3.1GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i3-4150 Processor (2 cores / 4 threads, 3.5GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Power Manager• View Management Utility• PC Device Stage• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Evernote®• Microsoft® Office preloaded; purchase a product key to activate• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Nitro Pro	
Implementation Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller			
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking) <i>Some:</i> NVIDIA® GeForce® GT 620 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; <i>Max resolution:</i> 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz			
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide			
Optical	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset			
Onboard SATA	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar			
eSATA port	None			
Media reader	Optional 9-in-1 media reader, internal USB 2.0			
Chipset	Intel H81 Express Chipset			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Two USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DisplayPort			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
PCIe WLAN ⁴	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth 4.0 combo adapter, 2x2			
Bluetooth	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter			
Speaker	Optional internal speaker for business audio (1 watt)			
IEEE 1394	None			
Ethernet	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®			
Manageability	None			
Modem	None			
Security chip	None			
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Floor Stand	Optional system floor stand for vertical orientation			
Power supply	<i>Some:</i> 240 watts, autosensing, active PFC, 85% PSU			
Machine	<ul style="list-style-type: none">• Business black color; metal case• 13.2" W X 15.0" D X 3.9" H• 335mm W X 382mm D X 101mm H• 14.6 lb (6.6 kg) in maximum configuration• Highlighted optical drive button for easy access			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 2.5", N/A, no access, opt 2nd SSD* Bay 4: 1.5", .35" high, access, opt reader* *bay only available on models with HDD/SSD/reader installed			
Slot	Slot 1: Low Profile, PCIe 2.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x1			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		Security <ul style="list-style-type: none">• One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Serial port I/O control• Individual USB port disablement• Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 6.0-compliant Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies	
			For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet	



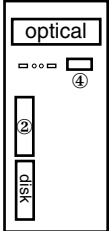
See footnotes for important warranty information

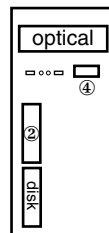
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(MLM1S-2) October 2014

ThinkCentre M73 Mini Tower (10B0) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Chassis Intrusion switch	2nd Serial / Parallel	ENERGY STAR 6.0 Global	Preload	Ann date (mm/dd/yy)
10B00005US	3x4	i5-4570	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	None	Win7 P64 DG Win8	10/01/13
10B00006US	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	None	HD 4400	None	None	None	Win7 P64 DG Win8	10/01/13
10B00007US	3x4	G3220	4GBx1	500G 7200	DVD±RW	None	None	Intel HD	None	S P	None	Win7 P64 DG Win8	10/01/13
10B00008US	3x4	i7-4770	8GBx1	1TB 7200	DVD±RW	None	None	HD 4600	None	S P	None	Win7 P64 DG Win8	10/01/13
10B0000GUS	3x4	i5-4570	4GBx1	1TB 7200	DVD±RW	None	None	HD 4600	None	None	None	Win7 P64 DG Win8	10/02/13
10B0000HUS	3x4	i5-4570	4GBx1	128G SSD	DVD±RW	None	None	HD 4600	None	None	None	Win7 P64 DG Win8	11/12/13
10B0000JUS	3x4	i5-4570	4GBx1	1TB Hybrid	DVD±RW	None	None	HD 4600	None	None	None	Win7 P64 DG Win8	11/12/13
10B0000KUS	3x4	i3-4130	4GBx1	2 x 500G 7200	DVD±RW	None	None	HD 7450	None	None	None	Win7 P64 DG Win8.1	02/04/14
10B0000LUS	3x4	i5-4570	4GBx1	2 x 500G 7200	DVD±RW	None	None	HD 7450	None	None	None	Win7 P64 DG Win8.1	02/04/14
10B0000NUS	3x4	G3220	4GBx1	2 x 500G 7200	DVD±RW	None	None	HD 7450	None	None	None	Win7 P64 DG Win8.1	02/04/14
10B0000QUS	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	None	HD 4400	None	None	None	Win7 P64 DG Win8.1	02/11/14
10B0000RUS	3x4	i5-4570	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	None	Win7 P64 DG Win8.1	02/11/14

Positioning Processor	Essential business features, exceptional value Intel® Pentium® G3220 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket			Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit		
Implementation				Ready to install applications (only some listed)		
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller			<ul style="list-style-type: none">• Rescue and Recovery™• Password Manager		
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz;</i> 1920x1200 (VGA)@60Hz (Reduced Blanking) <i>Some: AMD Radeon™ HD 7450, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express® 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 25 watts;</i> <i>Max resolution: 2560x1600 (DisplayPort, DVI-I)@60Hz</i>			Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Power Manager• View Management Utility• PC Device Stage• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Evernote®• Microsoft® Office preloaded; purchase a product key to activate• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Nitro Pro		
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 1TB (7200 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 3.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide					
Optical	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive					
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset					
Onboard SATA	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar					
eSATA port	None					
Media reader	Optional 9-in-1 media reader, internal USB 2.0					
Chipset	Intel H81 Express Chipset					
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)					
Rear ports	Two USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DisplayPort					
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)					
Audio	High Definition (HD) Audio, Realtek® ALC662 codec					
PCIe WLAN ⁴	None					
Bluetooth	None					
Speaker	Internal speaker for business audio (1.5 watt)					
IEEE 1394	None					
Ethernet	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®					
Manageability	None					
Modem	None					
Security chip	None					
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo					
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo					
Power supply	280 watts, autosensing, active PFC					
Mechanical	<ul style="list-style-type: none">• Business black color; metal case• 6.3" W X 16.6" D X 15.3" H (with handle)• 160mm W X 422mm D X 388mm H• 20.7 lb (9.4 kg) in maximum configuration• Handle on top front• Highlighted optical drive button for easy access					
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, opt disk* Bay 3: 3.5", 1" high, no access, std disk Bay 4: 1.5", .35" high, access, opt reader* *bay only available on models with HDD/SSD/reader installed					
Slot	Slot 1: half-length, full-height, PCIe 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1					
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available					

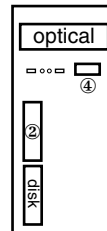


ThinkCentre M73 Mini Tower (10B0) - TopSeller - II

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Chassis Intrusion switch	2nd Serial / Parallel	ENERGY STAR 6.0 Global	Preload	Ann date (mm/dd/yy)
10B00017US	3x4	G3240	4GBx2	500G 7200	DVD±RW	None	None	Intel HD	None	None	None	None	Win7 P64 DG Win8.1 10/28/14
10B00016US	3x4	i5-4590	4GBx1	1TB 7200	DVD±RW	7260 b/g/n	None	HD 7450	None	None	None	None	Win7 P64 DG Win8.1 10/28/14
10B00019US	3x4	i7-4790	8GBx1	1TB 7200	DVD±RW	7260 b/g/n	None	HD 4600	None	None	None	None	Win7 P64 DG Win8.1 10/28/14
10B00011US	3x4	G3240	4GBx1	500G 7200	DVD±RW	None	None	Intel HD	None	None	None	None	Win7 P64 DG Win8.1 10/28/14
10B00014US	3x4	i5-4590	8GBx1	1TB 7200	DVD±RW	None	None	HD 4600	None	None	None	None	Win7 P64 DG Win8.1 10/28/14
10B00013US	3x4	i5-4590	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	None	None	Win7 P64 DG Win8.1 10/28/14
10B00012US	3x4	G3240	4GBx1	1TB 7200	DVD±RW	7260 b/g/n	None	Intel HD	None	None	None	None	Win7 P64 DG Win8.1 10/28/14
10B00018US	3x4	i7-4790	4GBx1	500G 7200	DVD±RW	7260 b/g/n	None	HD 4600	None	None	None	None	Win7 P64 DG Win8.1 10/28/14
10B00015US	3x4	i5-4590	4GBx1	1TB 7200	DVD±RW	7260 b/g/n	None	HD 4600	None	None	None	None	Win7 P64 DG Win8.1 10/28/14

Positioning Processor	Essential business features, exceptional value Intel® Pentium® G3240 Processor (2 cores / 2 threads, 3.1GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i5-4590 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4790 Processor (4 cores / 8 threads, 3.6GHz, 8MB cache), Turbo Boost 2.0 (4.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket										Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit			
Implementation Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller										Ready to install applications (only some listed) <ul style="list-style-type: none"> • Rescue and Recovery™ • Password Manager 			
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking) <i>Some:</i> AMD Radeon™ HD 7450 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express® 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 25 watts; <i>Max resolution:</i> 2560x1600 (DisplayPort, DVI-I)@60Hz										Preloaded applications (only some listed) <ul style="list-style-type: none"> • ThinkVantage® Product Recovery • ThinkVantage System Update • ThinkVantage Communication Utility • ThinkVantage Power Manager • View Management Utility • PC Device Stage • Lenovo Cloud Storage by SugarSync • Lenovo Solution Center • Lenovo Message Center Plus • Norton™ Internet Security (30 days of virus definitions) • Adobe® Reader® • Skype™ • Evernote® • Microsoft® Office preloaded; purchase a product key to activate • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) • Nitro Pro 			
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 1TB (7200 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 3.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide													
Optical SATA controller Onboard SATA	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar													
eSATA port	None													
Media reader	Optional 9-in-1 media reader, internal USB 2.0													
Chipset	Intel H81 Express Chipset													
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)													
Rear ports	Two USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DisplayPort													
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)													
Audio	High Definition (HD) Audio, Realtek® ALC662 codec													
PCIe WLAN ⁴	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth 4.0 combo adapter, 2x2													
Bluetooth	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter													
Speaker	Internal speaker for business audio (1.5 watt)													
IEEE 1394	None													
Ethernet	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®													
Manageability	None													
Modem	None													
Security chip	None													
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo													
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo													
Power supply	280 watts, autosensing, active PFC													
Mechanical	<ul style="list-style-type: none"> • Business black color; metal case • 6.3" W X 16.6" D X 15.3" H (with handle) • 160mm W X 422mm D X 388mm H • 20.7 lb (9.4 kg) in maximum configuration • Handle on top front • Highlighted optical drive button for easy access 													
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, opt disk* Bay 3: 3.5", 1" high, no access, std disk Bay 4: 1.5", .35" high, access, opt reader* *bay only available on models with HDD/SSD/reader installed													
Slot	Slot 1: half-length, full-height, PCIe 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1													
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available													



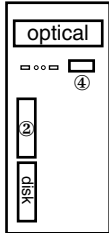
Security <ul style="list-style-type: none"> • One lock to secure both cover and entire system to fixed object: <ul style="list-style-type: none"> -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard and mouse • Serial port I/O control • Individual USB port disablement • Chassis intrusion switch on selected model(s) 			
Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies			
For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet			

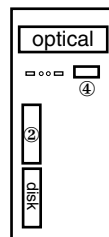
ThinkCentre M73 Mini Tower (10B2) - ES 6.0 (TopSeller)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Chassis Intrusion switch	2nd Serial / Parallel	ENERGY STAR 6.0	Global	Preload	Ann date (mm/dd/yy)
10B20002US	3x4	i5-4670	4GBx2	500G Hybrid	DVD±RW	N2230	None	GT 620	None	S P	ES6.0	None	Win7 Pro64 (DG)	10/01/13
10B2000QUS	3x4	G1820	4GBx1	500G 7200	DVD±RW	None	None	Intel HD	None	None	ES6.0	None	Win7 P64 DG Win8.1	01/14/14

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- 3-year limited warranty

Positioning Processor	Essential business features, exceptional value Intel® Celeron® G1820 Processor (2 cores / 2 threads, 2.7GHz, 2MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i5-4670 Processor (4 cores / 4 threads, 3.4GHz, 6MB cache), Turbo Boost 2.0 (3.8GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit	
Implementation			Ready to install applications (only some listed)	
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller		<ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed)	
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking) <i>Some:</i> NVIDIA® Geforce® GT 620 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; <i>Max resolution:</i> 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz		<ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Power Manager• View Management Utility• PC Device Stage• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Evernote®• Microsoft® Office preloaded; purchase a product key to activate• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Nitro Pro	
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide			
Optical	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset			
Onboard SATA	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar			
eSATA port	None			
Media reader	Optional 9-in-1 media reader, internal USB 2.0			
Chipset	Intel H81 Express Chipset			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Two USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DisplayPort			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
PCle WLAN ⁴	<i>Some:</i> 11b/g/n wireless, PCle Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2			
Bluetooth	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter			
Speaker	Internal speaker for business audio (1.5 watt)			
IEEE 1394	None			
Ethernet	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®			
Manageability	None			
Modem	None			
Security chip	None		Security <ul style="list-style-type: none">• One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Serial port I/O control• Individual USB port disablement• Chassis intrusion switch on selected model(s)	
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Power supply	<i>Some:</i> 280 watts, autosensing, active PFC, 85% PSU			
Mechanical	<ul style="list-style-type: none">• Business black color; metal case• 6.3" W X 16.6" D X 15.3" H (with handle)• 160mm W X 422mm D X 388mm H• 20.7 lb (9.4 kg) in maximum configuration• Handle on top front• Highlighted optical drive button for easy access			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, opt disk* Bay 3: 3.5", 1" high, no access, std disk Bay 4: 1.5", .35" high, access, opt reader* *bay only available on models with HDD/SSD/reader installed			
Slot	Slot 1: half-length, full-height, PCle 2.0 x16 (60w max) Slot 2: half-length, full-height, PCle 2.0 x1 Slot 3: half-length, full-height, PCle 2.0 x1			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		EPEAT™ Gold rating ENERGY STAR® 6.0-compliant Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies	
			For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet	



See footnotes for important warranty information

US model(s) announced October 1, 2013 or January 14, 2014

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(MLM1T-2) January 2014

ThinkCentre M73 Tiny (10AX) - Thin Client

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Flash Memory	External optical / I/O box	Graphics	PCIe Mini Card WLAN / BT	Optional port	Chassis intrusion switch	Floor stand	VESA mount	Keyboard / mouse	Preload	Ann date (mm/dd/yy)
10AX005GUS	G1820T	2GBx1	8G DOM Card	None	Intel HD	Intel 105	None	None	Stand	None	USB	WES 7	02/25/14
10AX005HUS	G1820T	2GBx1	8G DOM Card	None	Intel HD	Intel 105	None	None	Stand	None	USB	LeTOS	02/25/14

- 1-year depot warranty

Positioning	Essential business features, exceptional value			Preloaded operating system <i>Some:</i> Genuine Windows® Embedded Standard 7 (WES 7) <i>Some:</i> LeTOS (Lenovo Terminal Operating System, Linux-based) Preloaded applications (only some listed) - WES 7 only: <ul style="list-style-type: none">● Intel Management Engine Components● RDP Client● Citrix Client● VMware Client● Internet Explorer 9● Java● Flash● .Net Framework● Microsoft® Silverlight● Echo Agent● Ultra VNC● Adobe Reader● Intel Manageability Engine Firmware Recovery Agent - LeTOS only: <ul style="list-style-type: none">● xFreeRDP● Citrix ICA Client● VMware View Client● Java● Mozilla Firefox● NX NoMachine Client● X11 Client● VDI-In-A-Box Java Client● AnyConnect VPN Client Security <ul style="list-style-type: none">● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● Individual USB port disablement● Chassis intrusion switch on selected model(s) EPEAT™ Gold rating (WES models) ENERGY STAR® 6.0 (WES models) Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet
Processor	Intel® Celeron® G1820T Processor (2 cores / 2 threads, 2.4GHz, 2MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller			
Implementation	Processor in LGA1150 socket			
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook), <i>System automatically clocks down for processors with 1333MHz DDR3 memory controller</i>			
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports up to dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i>			
DP dongle	None			
Flash Memory	8GB / DOM (Disk On Module) Card			
External optical	<i>Some:</i> Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in, via USB 2.0			
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset			
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar			
eSATA port	None			
Chipset	Intel H81 Express Chipset			
Front ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)			
Rear ports	Three USB 2.0 (optional external optical box or external I/O box occupies one specific USB 2.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial on selected models)			
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 2.0 port			
PCIe Mini Card	One PCI Express® Mini Card slot			
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 <i>Some:</i> Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter			
Bluetooth	High Definition (HD) Audio, Realtek® ALC283 codec			
Audio	Internal speaker for business audio (1.5 watt)			
Speaker	Gigabit ethernet port, Intel I217-V, Wake on LAN®			
Ethernet	None			
Intel AMT	None			
Modem	None			
Security chip	None			
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Floor Stand	Optional System floor stand for vertical orientation			
VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm mount standard			
Power supply	65 watts AC/DC adapter, autosensing, 88% PSU			
Mechanical	<ul style="list-style-type: none">● Tiny (1L), business black color; metal case● <i>M73 Tiny only:</i> 7.0" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 2.9 lb (1.3 kg), weight may vary by configuration● <i>With VESA mount & optical box:</i> 7.2" W X 7.2" D X 2.55" H 184mm W X 182mm D X 65mm H 5.1lb (2.3 kg), weight may vary by configuration			
Limited Warranty	1-years - depot repair service / service upgrades available			

See footnotes for important warranty information
US model(s) announced February 25, 2013

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ThinkCentre M73 Tiny (10DK) - Thin Client

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Flash Memory	External optical / I/O box	Graphics	PCIe Mini Card WLAN / BT	Optional port	Chassis intrusion switch	Floor stand	VESA mount	Keyboard / mouse	Preload	Ann date (mm/dd/yy)
10DK0009US	G1820T	2GBx1	16G DOM Card	None	Intel HD	None	None	None	None	None	USB	WES 7	10/17/14
10DK000BUS	G1820T	4GBx1	16G DOM Card	None	Intel HD	None	None	None	None	None	USB	WES 7	10/17/14
10DK000DUS	G1820T	2GBx1	8G DOM Card	None	Intel HD	None	None	None	None	None	USB	LeTOS	10/17/14
10DK000EUS	G1820T	4GBx1	8G DOM Card	None	Intel HD	None	None	None	None	None	USB	LeTOS	10/17/14
10DK000FUS	G1820T	2GBx1	8G DOM Card	None	Intel HD	None	None	None	None	None	USB	WES 7	10/17/14
10DK000GUS	i5-4460T	4GBx1	16G DOM Card	None	HD 4600	None	None	None	None	None	USB	WES 7	10/17/14
10DK000HUS	i3-4150T	4GBx1	16G DOM Card	None	HD 4400	None	None	None	None	None	USB	WES 7	10/17/14
10DK000JUS	i3-4150T	2GBx1	16G DOM Card	None	HD 4400	None	None	None	None	None	USB	WES 7	10/17/14
10DK000KUS	G1820T	4GBx1	8G DOM Card	None	Intel HD	None	None	None	None	None	USB	WES 7	10/17/14

• 1-year onsite warranty

Positioning Processor	Essential business features, exceptional value Intel® Celeron® G1820T Processor (2 cores / 2 threads, 2.4GHz, 2MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i3-4150T Processor (2 cores / 4 threads, 3.0GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4460T Processor (4 cores / 4 threads, 1.9GHz, 6MB cache), Turbo Boost 2.0 (2.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system <i>Some:</i> Genuine Windows® Embedded Standard 7 (WES 7) <i>Some:</i> LeTOS (Lenovo Terminal Operating System, Linux-based) Preloaded applications (only some listed) - WES 7 only: <ul style="list-style-type: none">● Intel Management Engine Components● RDP Client● Citrix Client● VMware Client● Internet Explorer 9● Java● Flash● .Net Framework● Microsoft® Silverlight● Echo Agent● Ultra VNC● Adobe Reader● Intel Manageability Engine Firmware Recovery Agent - LeTOS only: <ul style="list-style-type: none">● xFreeRDP● Citrix ICA Client● VMware View Client● Java● Mozilla Firefox● NX NoMachine Client● X11 Client● VDI-In-A-Box Java Client● AnyConnect VPN Client	
Implementation Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook), <i>System automatically clocks down for processors with 1333MHz DDR3 memory controller</i>			
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports up to dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i>			
DP dongle	None			
Flash Memory	8GB or 16GB / DOM (Disk On Module) Card			
External optical	<i>Some:</i> Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in, via USB 2.0			
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset			
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar			
eSATA port	None			
Chipset	Intel H81 Express Chipset			
Front ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)			
Rear ports	Three USB 2.0 (optional external optical box or external I/O box occupies one specific USB 2.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial on selected models)			
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 2.0 port			
PCIe Mini Card	One PCI Express® Mini Card slot			
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 <i>Some:</i> Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter			
Bluetooth	High Definition (HD) Audio, Realtek® ALC283 codec			
Audio	Internal speaker for business audio (1.5 watt)			
Speaker	Gigabit ethernet port, Intel I217-V, Wake on LAN®			
Ethernet	None			
Intel AMT	None			
Modem	None			
Security chip	None			
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Floor Stand	Optional System floor stand for vertical orientation			
VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm mount standard			
Power supply	65 watts AC/DC adapter, autosensing, 88% PSU			
Mechanical	<ul style="list-style-type: none">● Tiny (1L), business black color; metal case● <i>M73 Tiny only:</i><ul style="list-style-type: none">7.0" W X 7.2" D X 1.4" H179mm W X 182mm D X 34.5mm H2.9 lb (1.3 kg), weight may vary by configuration● <i>With VESA mount & optical box:</i><ul style="list-style-type: none">7.2" W X 7.2" D X 2.55" H184mm W X 182mm D X 65mm H5.1lb (2.3 kg), weight may vary by configuration		Security <ul style="list-style-type: none">● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● Individual USB port disablement● <i>Chassis intrusion switch on selected model(s)</i> EPEAT™ Gold rating (WES models) ENERGY STAR® 6.0 (WES models) Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies	
Limited Warranty	1-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet	

See footnotes for important warranty information
 US model(s) announced February 25, 2013

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ThinkCentre M73 Tiny (10DL) - Thin Client

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Flash Memory	External optical / I/O box	Graphics	PCIe Mini Card WLAN / BT	Optional port	Chassis intrusion switch	Floor stand	VESA mount	Keyboard / mouse	Preload	Warranty (year)	Ann date (mm/yy)
10DL0001US	G1820T	2GBx1	8G DOM Card	None	Intel HD	None	None	None	None	None	USB	LeTOS	1-onsite	10/14
10DL0006US	G1820T	4GBx1	8G DOM Card	None	Intel HD	None	None	None	None	None	USB	WES 7	3-onsite	10/14
10DL0003US	G1820T	2GBx1	8G DOM Card	None	Intel HD	None	None	None	None	None	USB	LeTOS	3-onsite	10/14
10DL0005US	G1820T	2GBx1	8G DOM Card	None	Intel HD	None	None	None	None	None	USB	WES 7	1-onsite	10/14
10DL0004US	G1820T	4GBx1	8G DOM Card	None	Intel HD	None	None	None	None	None	USB	LeTOS	3-onsite	10/14
10DL0007US	G1820T	2GBx1	8G DOM Card	None	Intel HD	None	None	None	None	None	USB	WES 7	3-onsite	10/14
10DL0002US	G1820T	4GBx1	8G DOM Card	None	Intel HD	None	None	None	None	None	USB	LeTOS	1-onsite	10/14
10DL000BUS	G1820T	4GBx1	16G DOM Card	None	Intel HD	None	None	None	None	None	USB	WES 7	3-onsite	10/14
10DL0008US	G1820T	4GBx1	8G DOM Card	None	Intel HD	None	None	None	None	None	USB	WES 7	1-onsite	10/14
10DL000AUS	G1820T	4GBx1	16G DOM Card	None	Intel HD	None	None	None	None	None	USB	WES 7	1-onsite	10/14
10DL0009US	G1820T	2GBx1	16G DOM Card	None	Intel HD	None	None	None	None	None	USB	WES 7	1-onsite	10/14
10DL000CUS	G1820T	2GBx1	16G DOM Card	None	Intel HD	None	None	None	None	None	USB	WES 7	3-onsite	10/14
Positioning Processor	Essential business features, exceptional value Intel® Celeron® G1820T Processor (2 cores / 2 threads, 2.4GHz, 2MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller										Preloaded operating system Some: Genuine Windows® Embedded Standard 7 (WES 7) Some: LeTOS (Lenovo Terminal Operating System, Linux-based)			
Implementation	Processor in LGA1150 socket										Preloaded applications (only some listed)			
Memory	16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook), System automatically clocks down for processors with 1333MHz DDR3 memory controller										- WES 7 only:			
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports up to dual independent display; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)										• Intel Management Engine Components • RDP Client • Citrix Client • VMware Client • Internet Explorer 9 • Java • Flash • .Net Framework • Microsoft® Silverlight • Echo Agent • Ultra VNC • Adobe Reader • Intel Manageability Engine Firmware Recovery Agent			
DP dongle	None										- LeTOS only:			
Flash Memory	8GB or 16GB / DOM (Disk On Module) Card										• xFreeRDP • Citrix ICA Client • VMware View Client • Java • Mozilla Firefox • NX NoMachine Client • X11 Client • VDI-In-A-Box Java Client • AnyConnect VPN Client			
External optical	Some: Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in, via USB 2.0										Security			
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset										• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard and mouse • Individual USB port disablement • Chassis intrusion switch on selected model(s)			
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar										EPEAT™ Gold rating (WES models) ENERGY STAR® 6.0 (WES models) Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant			
eSATA port	None										Supports ThinkVantage Technologies			
Chipset	Intel H81 Express Chipset										For compatible accessories, please go to TC-AQP sheet;			
Front ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)										For Lenovo service upgrade options, please go to S-TC sheet			
Rear ports	Three USB 2.0 (optional external optical box or external I/O box occupies one specific USB 2.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial on selected models)													
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 2.0 port													
PCIe Mini Card	One PCI Express® Mini Card slot													
PCIe WLAN	Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 Some: Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter													
Bluetooth	High Definition (HD) Audio, Realtek® ALC283 codec													
Audio	Internal speaker for business audio (1.5 watt)													
Speaker	Gigabit ethernet port, Intel I217-V, Wake on LAN®													
Ethernet	None													
Intel AMT	None													
Modem	None													
Security chip	None													
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo													
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo													
Floor Stand	Optional System floor stand for vertical orientation													
VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm mount standard													
Power supply	65 watts AC/DC adapter, autosensing, 88% PSU													
Mechanical	• Tiny (1L), business black color; metal case • M73 Tiny only: 7.0" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 2.9 lb (1.3 kg), weight may vary by configuration • With VESA mount & optical box: 7.2" W X 7.2" D X 2.55" H 184mm W X 182mm D X 65mm H 5.1lb (2.3 kg), weight may vary by configuration													
Limited Warranty	1-years or 3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available													

See footnotes for important warranty information
US model(s) announced February 25, 2013

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ThinkCentre M73 Tiny (10AX)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical / I/O box	Graphics	PCIe Mini Card WLAN / BT	Optional port	Chassis intrusion switch	Floor stand	VESA mount	Keyboard / mouse	Preload	Ann date (mm/dd/yy)
10AX001WUS	i5-4570T	4GBx1	500G 7200	DVD±RW	HD 4600	Intel 105	None	None	None	Mount	USB	Win7 P64 DG Win8	10/01/13
10AX001XUS	i5-4570T	4GBx1	500G Hybrid	DVD±RW	HD 4600	Intel 2230	None	None	None	Mount	USB	Win7 P64 DG Win8	10/01/13
10AX001YUS	i7-4765T	8GBx1	500G Hybrid	DVD±RW	HD 4600	Intel 2230	None	None	None	Mount	USB	Win7 P64 DG Win8	10/01/13
10AX003WUS	i3-4130T	4GBx1	500G 7200	None	HD 4400	Intel 105	None	None	Stand	None	USB	Win7 P64 DG Win8	10/01/13
10AX003YUS	i3-4130T	4GBx1	500G 7200	DVD±RW	HD 4400	Intel 105	None	None	None	Mount	USB	Win7 P64 DG Win8	10/01/13
10AX0040US	G3220T	4GBx1	500G 7200	DVD±RW	Intel HD	Intel 105	None	None	None	Mount	USB	Win7 P64 DG Win8	10/01/13
10AX0041US	G3220T	4GBx1	500G 7200	None	Intel HD	Intel 105	None	None	Stand	None	USB	Win7 P64 DG Win8	10/01/13
10AX0042US	i3-4130T	4GBx1	500G Hybrid	None	HD 4400	Intel 2230	None	None	Stand	None	USB	Win7 P64 DG Win8	10/01/13
10AX0067US	i5-4570T	4GBx1	500G 7200	None	HD 4600	N7260	Serial	None	Stand	None	USB	Win7 P64 DG Win8.1	04/01/14
10AX0065US	G1820T	4GBx1	500G 7200	None	Intel HD	BCM4352	Serial	None	Stand	None	USB	Win7 P64 DG Win8.1	04/01/14
10AX0066US	i3-4130T	4GBx1	500G 7200	None	HD 4400	N7260	Serial	None	Stand	None	USB	Win7 P64 DG Win8.1	04/01/14
Positioning Processor	<i>Essential business features, exceptional value</i> Intel® Celeron® G1820T Processor (2 cores / 2 threads, 2.4GHz, 2MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Pentium® G3220T Processor (2 cores / 2 threads, 2.6GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i3-4130T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4570T Processor (2 cores / 4 threads, 2.9GHz, 4MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4765T Processor (4 cores / 8 threads, 2.0GHz, 8MB cache), Turbo Boost 2.0 (3.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket										Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) ● Rescue and Recovery™ ● Password Manager		
Implementation	Processor in LGA1150 socket										Preloaded applications (only some listed) ● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Communication Utility ● ThinkVantage Power Manager ● View Management Utility ● PC Device Stage ● Lenovo Cloud Storage by SugarSync ● Lenovo Solution Center ● Lenovo Message Center Plus ● Norton™ Internet Security (30 days of virus definitions) ● Adobe® Reader® ● Skype™ ● Evernote® ● Microsoft® Office preloaded; purchase a product key to activate ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Nitro Pro Security ● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) ● Power-on password ● Administrator password ● Hard disk password ● Boot sequence control ● Boot without keyboard and mouse ● Individual USB port disablement ● Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 6.0-compliant Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook), <i>System automatically clocks down for processors with 1333MHz DDR3 memory controller</i>												
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports up to dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i>												
DP dongle	None												
Disk	<i>Some:</i> SATA 6.0Gb/s, 2.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide												
External optical	<i>Some:</i> Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in, via USB 2.0												
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset												
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar												
eSATA port	None												
Chipset	Intel H81 Express Chipset												
Front ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)												
Rear ports	Three USB 2.0 (optional external optical box or external I/O box occupies one specific USB 2.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial on selected models)												
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 2.0 port												
PCIe Mini Card	One PCI Express® Mini Card slot												
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11ac/b/g/n wireless, PCIe Half Mini Card, Broadcom BCM4352, dual band (2.4/5GHz), Wi-Fi + Bluetooth 4.0 combo adapter, 2x2 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 <i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter												
Bluetooth	High Definition (HD) Audio, Realtek® ALC283 codec												
Audio	Internal speaker for business audio (1.5 watt)												
Speaker	Gigabit ethernet port, Intel I217-V, Wake on LAN®												
Ethernet	None												
Intel AMT	None												
Modem	None												
Security chip	None												
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo												
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo												
Floor Stand	Optional System floor stand for vertical orientation												
VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm mount standard												
Power supply	65 watts AC/DC adapter, autosensing, 88% PSU												
Mechanical	● Tiny (1L), business black color; metal case ● M73 Tiny only: 7.0" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 2.9 lb (1.3 kg), weight may vary by configuration ● With VESA mount & optical box: 7.2" W X 7.2" D X 2.55" H 184mm W X 182mm D X 65mm H 5.1lb (2.3 kg), weight may vary by configuration												
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available												

See footnotes for important warranty information

US model(s) announced October 1, 2013 or April 1, 2014

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(MLM1N-2) April 2014

ThinkCentre M73 Tiny (10AX) - II

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical / I/O box	Graphics	PCIe Mini Card WLAN / BT	Optional port	Chassis intrusion switch	Floor stand	VESA mount	Keyboard / mouse	Preload	Ann date (mm/dd/yy)
10AX008TUS	i5-4590T	8GBx1	500G 7200	None	HD 4600	7260 b/g/n	Serial	None	None	Mount	USB	Win7 P64 DG Win8.1	10/28/14
10AX008KUS	i3-4150T	4GBx1	500G 7200	None	HD 4400	7260 b/g/n	None	None	None	None	USB	Win7 P64 DG Win8.1	10/28/14
10AX008QUS	i5-4590T	4GBx1	256G SSD	None	HD 4600	7260 b/g/n	USB	None	None	Mount	USB	Win7 P64 DG Win8.1	10/28/14
10AX008NUS	i3-4150T	8GBx1	256G SSD	None	HD 4400	7260 b/g/n	USB	None	None	None	USB	Win7 P64 DG Win8.1	10/28/14
10AX008LUS	i3-4150T	4GBx1	180G SSD	None	HD 4400	7260 b/g/n	Serial	None	None	None	USB	Win7 P64 DG Win8.1	10/28/14
10AX008PUS	i5-4590T	4GBx1	500G 7200	DVD±RW	HD 4600	7260 b/g/n	USB	None	None	Mount	USB	Win7 P64 DG Win8.1	10/28/14

Positioning Processor	Essential business features, exceptional value Intel® Core™ i3-4150T Processor (2 cores / 4 threads, 3.0GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4590T Processor (4 cores / 4 threads, 2.0GHz, 6MB cache), Turbo Boost 2.0 (3.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit
Implementation			
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook), <i>System automatically clocks down for processors with 1333MHz DDR3 memory controller</i>		Ready to install applications (only some listed) ● Rescue and Recovery™ ● Password Manager Preloaded applications (only some listed) ● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Communication Utility ● ThinkVantage Power Manager ● View Management Utility ● PC Device Stage ● Lenovo Cloud Storage by SugarSync ● Lenovo Solution Center ● Lenovo Message Center Plus ● Norton™ Internet Security (30 days of virus definitions) ● Adobe® Reader® ● Skype™ ● Evernote® ● Microsoft® Office preloaded; purchase a product key to activate ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Nitro Pro
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports up to dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i>		
DP dongle	None		
Disk	<i>Some:</i> SATA 6.0Gb/s, 2.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide		
External optical	<i>Some:</i> Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in, via USB 2.0		
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset		
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar		
eSATA port	None		
Chipset	Intel H81 Express Chipset		
Front ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)		
Rear ports	Three USB 2.0 (optional external optical box or external I/O box occupies one specific USB 2.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial on selected models)		
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 2.0 port		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11ac/b/g/n wireless, PCIe Half Mini Card, Broadcom BCM4352, dual band (2.4/5GHz), Wi-Fi + Bluetooth 4.0 combo adapter, 2x2 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 <i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter		
Bluetooth	High Definition (HD) Audio, Realtek® ALC283 codec		
Audio	Internal speaker for business audio (1.5 watt)		
Speaker	Gigabit ethernet port, Intel I217-V, Wake on LAN®		
Ethernet	None		
Intel AMT	None		
Modem	None		
Security chip	None		
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Floor Stand	Optional System floor stand for vertical orientation		
VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm mount standard		
Power supply	65 watts AC/DC adapter, autosensing, 88% PSU		
Mechanical	● Tiny (1L), business black color; metal case ● <i>M73 Tiny only:</i> 7.0" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 2.9 lb (1.3 kg), weight may vary by configuration 7.2" W X 7.2" D X 2.55" H 184mm W X 182mm D X 65mm H 5.1lb (2.3 kg), weight may vary by configuration ● <i>With VESA mount & optical box:</i>		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		

See footnotes for important warranty information

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(MLM1N-9) October 2014

ThinkCentre M73 Tiny (10AX) - 1-year depot

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical / I/O box	Graphics	PCIe Mini Card WLAN / BT	Optional port	Chassis intrusion switch	Floor stand	VESA mount	Keyboard / mouse	Preload	Ann date (mm/dd/yy)
10AX003XUS	i3-4130T	4GBx1	500G 7200	None	HD 4400	Intel 105	None	None	Stand	None	USB Win7 Pro64 (DG)		10/01/13
10AX0057US	G1820T	4GBx1	500G 7200	None	Intel HD	N7260	None	None	Stand	None	USB Win7 P64 DG Win8.1		01/14/14

●A depot repair service 1-year limited warranty

Positioning Processor	<i>Essential business features, exceptional value</i> Intel® Celeron® G1820T Processor (2 cores / 2 threads, 2.4GHz, 2MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i3-4130T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller										Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit		
Implementation	Processor in LGA1150 socket										Ready to install applications (only some listed)		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook), <i>System automatically clocks down for processors with 1333MHz DDR3 memory controller</i>										Preloaded applications (only some listed) ● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Communication Utility ● ThinkVantage Power Manager ● View Management Utility ● PC Device Stage ● Lenovo Cloud Storage by SugarSync ● Lenovo Solution Center ● Norton™ Internet Security (30 days of virus definitions) ● Adobe® Reader® ● Skype™ ● Evernote® ● Microsoft® Office preloaded; purchase a product key to activate ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Nitro Pro		
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports up to dual independent display; <i>Maximum resolution:</i> 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)										Security ● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) ● Power-on password ● Administrator password ● Hard disk password ● Boot sequence control ● Boot without keyboard and mouse ● Individual USB port disablement ● Chassis intrusion switch on selected model(s)		
DP dongle	None										EPEAT™ Gold rating ENERGY STAR® 6.0-compliant Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant		
Disk	<i>Some:</i> SATA 6.0Gb/s, 2.5" Wide, 7200 rpm										Supports ThinkVantage Technologies		
External optical	None										For compatible accessories, please go to TC-AQP sheet;		
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset										For Lenovo service upgrade options, please go to S-TC sheet		
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar												
eSATA port	None												
Chipset	Intel H81 Express Chipset												
Front ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)												
Rear ports	Three USB 2.0 (optional external optical box or external I/O box occupies one specific USB 2.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial on selected models)												
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 2.0 port												
PCIe Mini Card	One PCI Express® Mini Card slot												
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 <i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter												
Bluetooth	High Definition (HD) Audio, Realtek® ALC283 codec												
Audio	Internal speaker for business audio (1.5 watt)												
Speaker	Gigabit ethernet port, Intel I217-V, Wake on LAN®												
Ethernet	None												
Intel AMT	None												
Modem	None												
Security chip	None												
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo												
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo												
Floor Stand	Optional System floor stand for vertical orientation												
VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm mount standard												
Power supply	65 watts AC/DC adapter, autosensing, 88% PSU												
Mechanical	<ul style="list-style-type: none"> Tiny (1L), business black color; metal case M73 Tiny only: <ul style="list-style-type: none"> 7.0" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 2.9 lb (1.3 kg), weight may vary by configuration With VESA mount & optical box: <ul style="list-style-type: none"> 7.2" W X 7.2" D X 2.55" H 184mm W X 182mm D X 65mm H 5.1lb (2.3 kg), weight may vary by configuration 												
Limited Warranty	1-years - depot repair service / service upgrades available												

See footnotes for important warranty information
US model(s) announced October 1, 2013 or January 14, 2014

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ThinkCentre M73 Tiny (10AX) - GMP

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical I/O box	Graphics	PCIe Mini Card WLAN / BT	Optional port	Chassis intrusion switch	Floor stand	VESA mount	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10AX002UUS	G3420T	2GBx1	320G 5400	None	Intel HD	Intel 105	None	None	Stand	None	G P	Win7 Pro64	10/01/13
10AX002VUS	i3-4130T	4GBx1	500G 5400	None	HD 4400	Intel 2230	None	None	Stand	None	G P	Win7 Pro64 (DG)	10/01/13
10AX003DUS	i5-4570T	4GBx1	128G SSD	DVD±RW	HD 4600	Intel 2230	USB	Switch	None	Mount	G P	Win7 Pro64 (DG)	10/01/13
10AX0044US	i5-4570T	4GBx1	500G 7200	None	HD 4600	Intel 2230	None	None	Stand	None	G P	Win7 Pro64 (DG)	10/22/13
10AX0045US	i3-4130T	4GBx1	500G 7200	None	HD 4400	Intel 105	None	None	Stand	None	G P	Win7 Pro64 (DG)	10/22/13
10AX007WUS	i5-4590T	4GBx1	128G SSD	DVD±RW	HD 4600	7260 b/g/n	USB	Switch	None	Mount	G P	Win7 P64 DG Win8.1	07/08/14
10AX007XUS	i3-4150T	4GBx1	500G 5400	None	HD 4400	7260 b/g/n	None	None	Stand	None	G P	Win7 P64 DG Win8.1	07/08/14

•Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning Processor	Essential business features, exceptional value Intel® Pentium® G3420T Processor (2 cores / 2 threads, 2.7GHz, 3MB cache), Intel HD Graphics, 1600MHz DDR3 memory controller Intel Core™ i3-4130T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i3-4150T Processor (2 cores / 4 threads, 3.0GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4570T Processor (2 cores / 4 threads, 2.9GHz, 4MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590T Processor (4 cores / 4 threads, 2.0GHz, 4MB cache), Turbo Boost 2.0 (3.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket	Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Power Manager• View Management Utility• PC Device Stage• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Evernote®• Microsoft® Office preloaded; purchase a product key to activate• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Nitro Pro
Implementation		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook), <i>System automatically clocks down for processors with 1333MHz DDR3 memory controller</i>	
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports up to dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i>	
DP dongle	None	
Disk	<i>Some:</i> SATA 3.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide	
External optical	<i>Some:</i> Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in, via USB 2.0	
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset	
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar	
eSATA port	None	
Chipset	Intel H81 Express Chipset	
Front ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)	
Rear ports	Three USB 2.0 (optional external optical box or external I/O box occupies one specific USB 2.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial on selected models)	
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 2.0 port	
PCIe Mini Card	One PCI Express® Mini Card slot	
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2	
Bluetooth	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Audio	High Definition (HD) Audio, Realtek® ALC283 codec	
Speaker	Internal speaker for business audio (1.5 watt)	
Ethernet	Gigabit ethernet port, Intel I217-V, Wake on LAN®	
Intel AMT	None	
Modem	None	
Security chip	None	
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo	
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Floor Stand	Optional System floor stand for vertical orientation	
VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm mount standard	
Power supply	65 watts AC/DC adapter, autosensing, 88% PSU	
Mechanical	<ul style="list-style-type: none">• Tiny (1L), business black color; metal case• <i>M73 Tiny only:</i> 7.0" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 2.9 lb (1.3 kg), weight may vary by configuration• <i>With VESA mount & optical box:</i> 7.2" W X 7.2" D X 2.55" H 184mm W X 182mm D X 65mm H 5.1lb (2.3 kg), weight may vary by configuration	Security <ul style="list-style-type: none">• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Individual USB port disablement• <i>Chassis intrusion switch on selected model(s)</i> EPEAT™ Gold rating ENERGY STAR® 6.0-compliant Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet	

See footnotes for important warranty information

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ThinkCentre M73 Tiny (10DM) - GMP

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical / I/O box	Graphics	PCIe Mini Card WLAN / BT	Optional port	Chassis intrusion switch	Floor stand	VESA mount	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10DM000MUS	i5-4570T	4GBx1	128G SSD	None	HD 4600	7260 b/g/n	None	Switch	None	None	G P	Win7 P64 DG Win8.1	10/17/14
10DM000NUS	G3420T	2GBx1	320G 5400	None	Intel HD	8723BE	None	None	None	None	G P	Win7 Pro64	10/17/14
10DM000PUS	i3-4130T	4GBx1	500G 5400	None	HD 4400	7260 b/g/n	None	None	None	None	G P	Win7 P64 DG Win8.1	10/17/14
10DM000QUS	G3420T	2GBx1	320G 7200	None	Intel HD	8723BE	None	None	None	None	G P	Win7 Pro64	10/17/14
10DM000RUS	i3-4130T	4GBx1	500G 7200	None	HD 4400	7260 b/g/n	None	None	None	None	G P	Win7 P64 DG Win8.1	10/17/14

•Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning Processor	<p><i>Essential business features, exceptional value</i></p> <p>Intel® Pentium® G3420T Processor (2 cores / 2 threads, 2.7GHz, 3MB cache), Intel HD Graphics, 1600MHz DDR3 memory controller</p> <p>Intel Core™ i3-4130T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller</p> <p>Intel Core i3-4150T Processor (2 cores / 4 threads, 3.0GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller</p> <p>Intel Core i5-4570T Processor (2 cores / 4 threads, 2.9GHz, 4MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller</p> <p>Intel Core i5-4590T Processor (4 cores / 4 threads, 2.0GHz, 4MB cache), Turbo Boost 2.0 (3.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller</p> <p>Processor in LGA1150 socket</p>										<p>Preloaded operating system</p> <p><i>Some:</i> Windows® 7 Professional 64</p> <p><i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit</p> <p><i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit</p> <p>Ready to install applications (only some listed)</p> <ul style="list-style-type: none"> • Rescue and Recovery™ • Password Manager <p>Preloaded applications (only some listed)</p> <ul style="list-style-type: none"> • ThinkVantage® Product Recovery • ThinkVantage System Update • ThinkVantage Communication Utility • ThinkVantage Power Manager • View Management Utility • PC Device Stage • Lenovo Cloud Storage by SugarSync • Lenovo Solution Center • Lenovo Message Center Plus • Norton™ Internet Security (30 days of virus definitions) • Adobe® Reader® • Skype™ • Evernote® • Microsoft® Office preloaded; purchase a product key to activate • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) • Nitro Pro 			
Implementation														
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook), System automatically clocks down for processors with 1333MHz DDR3 memory controller													
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports up to dual independent display; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)													
DP dongle	None													
Disk	<i>Some:</i> SATA 3.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide													
External optical	<i>Some:</i> Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in, via USB 2.0													
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset													
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar													
eSATA port	None													
Chipset	Intel H81 Express Chipset													
Front ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)													
Rear ports	Three USB 2.0 (optional external optical box or external I/O box occupies one specific USB 2.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial on selected models)													
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 2.0 port													
PCIe Mini Card	One PCI Express® Mini Card slot													
PCIe WLAN	<i>Some:</i> 11ac/a/b/g/n wireless, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT 4.0 combo adapter, 2x2 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth 4.0 combo adapter, 2x2 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8723BE, Wi-Fi/BT 4.0, 1x1 <i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter													
Bluetooth	High Definition (HD) Audio, Realtek® ALC283 codec													
Audio	Internal speaker for business audio (1.5 watt)													
Speaker	Gigabit ethernet port, Intel I217-V, Wake on LAN®													
Ethernet	None													
Intel AMT	None													
Modem	None													
Security chip	None													
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo													
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo													
Floor Stand	Optional System floor stand for vertical orientation													
VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm mount standard													
Power supply	None													
Mechanical	<ul style="list-style-type: none"> • Tiny (1L), business black color; metal case • <i>M73 Tiny only:</i> 7.0" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 2.9 lb (1.3 kg), weight may vary by configuration • <i>With VESA mount & optical box:</i> 7.2" W X 7.2" D X 2.55" H 184mm W X 182mm D X 65mm H 5.1lb (2.3 kg), weight may vary by configuration 										<p>EPEAT™ Gold rating</p> <p>ENERGY STAR® 6.0-compliant</p> <p>Cisco EnergyWise compatible</p> <p>GREENGUARD® certified</p> <p>RoHS-compliant</p> <p>Supports ThinkVantage Technologies</p> <p>For compatible accessories, please go to TC-AQP sheet;</p> <p>For Lenovo service upgrade options, please go to S-TC sheet</p>			
Limited Warranty	3-years, limited onsite service. 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available													

See footnotes for important warranty information

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ThinkCentre M73 Small (10B7)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Pro-processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Chassis Intrusion switch	2nd Serial / Parallel	Floor stand	ENERGY STAR 6.0	Global	Preload	Ann date (mm/dd/yy)
10B7000SUS	3x4	i5-4570	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	Stand	None	None	Win7 P64 DG Win8	10/01/13
10B7000TUS	3x4	i7-4770	8GBx1	500G Hybrid	DVD±RW	N2230	None	GT 620	None	None	Stand	None	None	Win7 P64 DG Win8	10/01/13
10B7001RUS	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	None	HD 4400	None	None	Stand	None	None	Win7 P64 DG Win8	10/01/13
10B7001TUS	3x4	i3-4130	4GBx1	500G Hybrid	DVD±RW	None	None	HD 4400	None	None	Stand	None	None	Win7 P64 DG Win8	10/01/13
10B7001UUS	3x4	i3-4130	4GBx1	1TB 7200	DVD±RW	None	None	HD 4400	None	Serial	Stand	None	None	Win7 P64 DG Win8	10/01/13
10B7001VUS	3x4	G3220	4GBx1	500G 7200	DVD±RW	None	None	Intel HD	None	Serial	Stand	None	None	Win7 P64 DG Win8	10/01/13
10B7001WUS	3x4	G3220	4GBx1	500G Hybrid	DVD±RW	None	None	Intel HD	None	Serial	Stand	None	None	Win7 P64 DG Win8	10/01/13
10B7001XUS	3x4	G3220	4GBx1	1TB 7200	DVD±RW	None	None	Intel HD	None	Serial	Stand	None	None	Win7 P64 DG Win8	10/01/13
10B7004XUS	3x4	i5-4570	4GBx1	500G 7200	DVD±RW	None	None	HD 7450	None	None	Stand	None	None	Win7 P64 DG Win8.1	02/04/14

Positioning Processor	Essential business features, exceptional value Intel® Pentium® G3220 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit	
Implementation	Processor in LGA1150 socket		Ready to install applications (only some listed)	
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets		● Rescue and Recovery™ ● Password Manager	
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz;</i> 1920x1200 (VGA)@60Hz (Reduced Blanking) <i>Some:</i> NVIDIA® Geforce® GT 620 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express® 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; <i>Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz</i> <i>Some:</i> AMD Radeon™ HD 7450 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 25 watts; <i>Max resolution: 2560x1600 (DisplayPort, DVI-I)@60Hz</i>		Preloaded applications (only some listed) ● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Communication Utility ● ThinkVantage Power Manager ● View Management Utility ● PC Device Stage ● Lenovo Cloud Storage by SugarSync ● Lenovo Solution Center ● Lenovo Message Center Plus ● Norton™ Internet Security (30 days of virus definitions) ● Adobe® Reader® ● Skype™ ● Evernote® ● Microsoft® Office preloaded; purchase a product key to activate ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Nitro Pro	
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide			
Optical	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset			
Onboard SATA	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar			
eSATA port	None			
Media reader	Optional 9-in-1 media reader, internal USB 2.0			
Chipset	Intel H81 Express Chipset			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Two USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DisplayPort			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
PCIe WLAN ⁴	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2			
Bluetooth	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter			
Speaker	Internal speaker for business audio (1 watt)			
IEEE 1394	None			
Ethernet	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®			
Manageability	None			
Modem	None			
Security chip	None			
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Floor Stand	Optional system floor stand for vertical orientation			
Power supply	<i>Some:</i> 240 watts, autosensing, active PFC			
Machine	● Business black color; metal case ● 13.2" W X 15.0" D X 3.9" H ● 335mm W X 382mm D X 101mm H ● 14.6 lb (6.6 kg) in maximum configuration ● Highlighted optical drive button for easy access			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 2.5", N/A, no access, opt 2nd SSD* Bay 4: 1.5", .35" high, access, opt reader* *bay only available on models with HDD/SSD/reader installed			
Slot	Slot 1: Low Profile, PCIe 2.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x1			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available			

See footnotes for important warranty information

US model(s) announced October 1, 2013 or February 4, 2014

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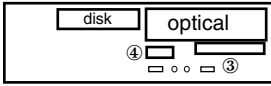
(MLM1S-3) February 2014

ThinkCentre M73 Small (10B4) - ES 6.0

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Chassis Intrusion switch	2nd Serial / Parallel	Floor stand	ENERGY STAR 6.0 Global	Preload	Ann date (mm/dd/yy)
10B4000XUS	3x4	i7-4770	8GBx1	500G Hybrid DVD±RW	N2230	None	GT 620	None	S P	Stand	ES6.0	None	Win7 Pro64 (DG)	10/01/13

●3-year limited warranty

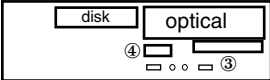
Positioning Processor	Essential business features, exceptional value Intel® Core™ i7-4770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Power Manager• View Management Utility• PC Device Stage• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Evernote®• Microsoft® Office preloaded; purchase a product key to activate• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Nitro Pro
Implementation	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller		
Memory	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i> <i>Some: NVIDIA® GeForce® GT 620, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz</i>		
Graphics	<i>Some: 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide</i> <i>Some: Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive</i>		
Disk	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset		
Optical	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar		
SATA controller	None		
Onboard SATA	Optional 9-in-1 media reader, internal USB 2.0		
eSATA port	Intel H81 Express Chipset		
Media reader	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Chipset	Two USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DisplayPort		
Front ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)		
Rear ports	High Definition (HD) Audio, Realtek® ALC662 codec		
Rear audio ports	<i>Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2</i>		
Audio	<i>Some: Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter</i>		
PCIe WLAN ⁴	Internal speaker for business audio (1 watt)		
Bluetooth	None		
Speaker	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®		
IEEE 1394	None		
Ethernet	None		
Manageability	None		
Modem	None		
Security chip	None		
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Floor Stand	Optional system floor stand for vertical orientation		
Power supply	<i>Some: 240 watts, autosensing, active PFC, 85% PSU</i>		
Machine	<ul style="list-style-type: none">• Business black color; metal case• 13.2" W X 15.0" D X 3.9" H• 335mm W X 382mm D X 101mm H• 14.6 lb (6.6 kg) in maximum configuration• Highlighted optical drive button for easy access		
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 2.5", N/A, no access, opt 2nd SSD* Bay 4: 1.5", .35" high, access, opt reader* *bay only available on models with HDD/SSD/reader installed		
Slot	Slot 1: Low Profile, PCIe 2.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x1		
			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		

See footnotes for important warranty information
US model(s) announced October 1, 2013

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(MLM1S-4) October 2013

ThinkCentre M73 Small (10B4) - ES 6.0 (GMP)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCle WLAN	Media reader	Graphics	Chassis Intrusion switch	2nd Serial / Parallel	Floor stand	ENERGY STAR 6.0	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10B4001FUS	3x4	G3420	2GBx1	500G 7200 DVD	None	None	Intel HD	None	None	None	None	ES6.0	G P	Win7 Pro64	10/01/13
10B4001GUS	3x4	i3-4130	4GBx1	500G 7200 DVD±RW	None	None	HD 4400	None	None	Stand	None	ES6.0	G P	Win7 Pro64 (DG)	10/01/13
10B4001HUS	3x4	i5-4570	4GBx1	1TB 7200 DVD±RW	N105	Media	HD 8470	Switch	None	None	None	ES6.0	G P	Win7 Pro64 (DG)	10/01/13
10B40020US	3x4	i3-4130	4GBx1	500G 7200 DVD±RW	None	None	HD 4400	None	None	Stand	None	ES6.0	G P	Win7 HP64	02/04/14
10B4002LUS	3x4	G3440	2GBx1	500G 7200 DVD	None	None	Intel HD	None	None	None	None	ES6.0	G P	Win7 Pro64	06/24/14
10B4002MUS	3x4	i3-4150	4GBx1	500G 7200 DVD±RW	None	None	HD 4400	None	None	Stand	None	ES6.0	G P	Win7 P64 DG Win8.1	07/08/14
10B4002NUS	3x4	i5-4590	4GBx1	1TB 7200 DVD±RW	8723BE	None	GT 620	Switch	None	None	None	ES6.0	G P	Win7 P64 DG Win8.1	07/08/14
Positioning Processor	Essential business features, exceptional value Intel® Pentium® G3420 Processor (2 cores / 2 threads, 3.2GHz, 3MB cache), Intel HD Graphics, 1600MHz DDR3 memory controller Intel® Pentium G3440 Processor (2 cores / 2 threads, 3.3GHz, 3MB cache), Intel HD Graphics, 1600MHz DDR3 memory controller Intel Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel® Core™ i3-4150 Processor (2 cores / 4 threads, 3.5GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket											Preloaded operating system <i>Some:</i> Windows® 7 Home Premium 64 <i>Some:</i> Windows 7 Professional 64 <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none"> Rescue and Recovery™ Password Manager 			
Implementation Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller											Preloaded applications (only some listed) <ul style="list-style-type: none"> ThinkVantage® Product Recovery ThinkVantage System Update ThinkVantage Communication Utility ThinkVantage Power Manager View Management Utility PC Device Stage Lenovo Cloud Storage by SugarSync Lenovo Solution Center Lenovo Message Center Plus Norton™ Internet Security (30 days of virus definitions) Adobe® Reader® Skype™ Evernote® Microsoft® Office preloaded; purchase a product key to activate Cyberlink Power2Go (DVD±RW) Cyberlink PowerProducer (DVD±RW) Nitro Pro 			
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking) <i>Some:</i> AMD Radeon™ HD 8470 , DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one VGA, one DisplayPort, 25 watts, <i>Max resolution:</i> 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz <i>Some:</i> NVIDIA® GeForce® GT 620 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; <i>Max resolution:</i> 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz														
Disk Optical	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> DVD-ROM DL SATA 1.5Gb/s Drive <i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive														
SATA controller Onboard SATA	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar														
eSATA port Media reader	None Optional 9-in-1 media reader, internal USB 2.0														
Chipset	Intel H81 Express Chipset														
Front ports Rear ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Two USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DisplayPort														
Rear audio ports Audio	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) High Definition (HD) Audio, Realtek® ALC662 codec														
PCle WLAN ⁴	<i>Some:</i> 11b/g/n wireless, PCle Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 <i>Some:</i> 11b/g/n wireless, PCle Half Mini Card, Realtek RTL8723BE, Wi-Fi/BT 4.0, 1x1 <i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter														
Bluetooth Speaker	Internal speaker for business audio (1 watt)														
IEEE 1394 Ethernet	None Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®														
Manageability Modem Security chip	None None None														
Keyboard Mouse Floor Stand Power supply	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo Optional system floor stand for vertical orientation <i>Some:</i> 240 watts, autosensing, active PFC, 85% PSU														
Machine	<ul style="list-style-type: none"> Business black color; metal case 13.2" W X 15.0" D X 3.9" H 335mm W X 382mm D X 101mm H 14.6 lb (6.6 kg) in maximum configuration Highlighted optical drive button for easy access 														
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 2.5", N/A, no access, opt 2nd SSD* Bay 4: 1.5", .35" high, access, opt reader* *bay only available on models with HDD/SSD/reader installed														
Slot	Slot 1: Low Profile, PCle 2.0 x16 (40w max) Slot 2: Low Profile, PCle 2.0 x1 Slot 3: Low Profile, PCle 2.0 x1														
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available											Security <ul style="list-style-type: none"> One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Serial port I/O control Individual USB port disablement Chassis intrusion switch on selected model(s) 			
												EPEAT™ Gold rating ENERGY STAR® 6.0-compliant Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies			
												For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet			

See footnotes for important warranty information

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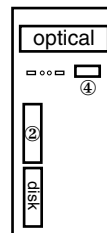
(MLM1S-5) July 2014

ThinkCentre M73 Mini Tower (10B3)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCle WLAN	Media reader	Graphics	Chassis Intrusion switch	2nd Serial / Parallel	ENERGY STAR 6.0 Global	Preload	Ann date (mm/dd/yy)
10B3000CUS	3x4	i5-4570	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	None	Win7 P64 DG Win8	10/01/13
10B3000DUS	3x4	i7-4770	8GBx1	500G Hybrid	DVD±RW	None	None	GT 620	None	None	None	Win7 P64 DG Win8	10/01/13
10B3000RUS	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	None	HD 4400	None	None	None	Win7 P64 DG Win8	10/01/13
10B3000SUS	3x4	i3-4130	4GBx1	500G Hybrid	DVD±RW	None	None	HD 4400	None	Serial	None	Win7 P64 DG Win8	10/01/13
10B3000TUS	3x4	i3-4130	4GBx1	1TB 7200	DVD±RW	None	None	HD 4400	None	Serial	None	Win7 P64 DG Win8	10/01/13
10B3000VUS	3x4	G3220	4GBx1	1TB 7200	DVD±RW	None	None	Intel HD	None	Serial	None	Win7 P64 DG Win8	10/01/13
10B3000WUS	3x4	G3220	4GBx1	500G Hybrid	DVD±RW	None	None	Intel HD	None	None	None	Win7 P64 DG Win8	10/01/13
10B3000XUS	3x4	G3220	4GBx1	500G 7200	DVD±RW	None	None	Intel HD	None	None	None	Win7 P64 DG Win8	10/01/13
10B3002BUS	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	None	HD 7450	None	None	None	Win7 P64 DG Win8.1	02/04/14
10B3002CUS	3x4	i5-4570	4GBx1	500G 7200	DVD±RW	None	None	HD 7450	None	None	None	Win7 P64 DG Win8.1	02/04/14

Positioning Processor	Essential business features, exceptional value Intel® Pentium® G3220 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket											Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none"> • Rescue and Recovery™ • Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none"> • ThinkVantage® Product Recovery • ThinkVantage System Update • ThinkVantage Communication Utility • ThinkVantage Power Manager • View Management Utility • PC Device Stage • Lenovo Cloud Storage by SugarSync • Lenovo Solution Center • Lenovo Message Center Plus • Norton™ Internet Security (30 days of virus definitions) • Adobe® Reader® • Skype™ • Evernote® • Microsoft® Office preloaded; purchase a product key to activate • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) • Nitro Pro 		
Implementation Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller													
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking) <i>Some:</i> NVIDIA® GeForce® GT 620 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express® 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; <i>Max resolution:</i> 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz <i>Some:</i> AMD Radeon™ HD 7450 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 25 watts; <i>Max resolution:</i> 2560x1600 (DisplayPort, DVI-I)@60Hz													
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide													
Optical	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive													
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset													
Onboard SATA	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar													
eSATA port	None													
Media reader	Optional 9-in-1 media reader, internal USB 2.0													
Chipset	Intel H81 Express Chipset													
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)													
Rear ports	Two USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DisplayPort													
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)													
Audio	High Definition (HD) Audio, Realtek® ALC662 codec													
PCle WLAN ⁴	None													
Bluetooth	None													
Speaker	Internal speaker for business audio (1.5 watt)													
IEEE 1394	None													
Ethernet	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®													
Manageability	None													
Modem	None													
Security chip	None													
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo													
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo													
Power supply	<i>Some:</i> 280 watts, autosensing, active PFC													
Mechanical	<ul style="list-style-type: none"> • Business black color; metal case • 6.3" W X 16.6" D X 15.3" H (with handle) • 160mm W X 422mm D X 388mm H • 20.7 lb (9.4 kg) in maximum configuration • Handle on top front • Highlighted optical drive button for easy access 													
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, opt disk* Bay 3: 3.5", 1" high, no access, std disk Bay 4: 1.5", .35" high, access, opt reader* *bay only available on models with HDD/SSD/reader installed													
Slot	Slot 1: half-length, full-height, PCIe 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1													
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available													

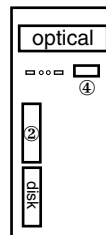


ThinkCentre M73 Mini Tower (10B1) - ES 6.0 (GMP)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Chassis Intrusion switch	2nd Serial / Parallel	ENERGY STAR 6.0	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10B10011US	3x4	G3420	2GBx1	500G 7200	DVD	None	None	Intel HD	None	None	ES6.0	G P	Win7 Pro64	10/01/13
10B10012US	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	None	HD 4400	None	None	ES6.0	G P	Win7 Pro64 (DG)	10/01/13
10B10017US	3x4	i5-4570	4GBx1	1TB 7200	DVD±RW	N105	Media	HD 8470	Switch	None	ES6.0	G P	Win7 Pro64 (DG)	10/01/13
10B1001KUS	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	None	HD 4400	None	None	ES6.0	G P	Win7 Pro64	02/04/14
10B10029US	3x4	i3-4150	4GBx1	500G 7200	DVD±RW	None	None	HD 4400	None	None	ES6.0	G P	Win7 P64 DG Win8.1	07/08/14
10B1002AUS	3x4	i5-4590	4GBx1	1TB 7200	DVD±RW	8723BE	None	GT 620	Switch	None	ES6.0	G P	Win7 P64 DG Win8.1	07/08/14

Positioning Processor	Essential business features, exceptional value Intel® Pentium® G3420 Processor (2 cores / 2 threads, 3.2GHz, 3MB cache), Intel HD Graphics, 1600MHz DDR3 memory controller Intel Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i3-4150 Processor (2 cores / 4 threads, 3.5GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket										Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit				
Implementation	Processor in LGA1150 socket										Ready to install applications (only some listed) • Rescue and Recovery™ • Password Manager				
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller										Preloaded applications (only some listed) • ThinkVantage® Product Recovery • ThinkVantage System Update • ThinkVantage Communication Utility • ThinkVantage Power Manager • View Management Utility • PC Device Stage • Lenovo Cloud Storage by SugarSync • Lenovo Solution Center • Lenovo Message Center Plus • Norton™ Internet Security (30 days of virus definitions) • Adobe® Reader® • Skype™ • Evernote® • Microsoft® Office preloaded; purchase a product key to activate • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) • Nitro Pro				
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking) <i>Some:</i> AMD Radeon™ HD 8470 , DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one VGA, one DisplayPort, 25 watts, <i>Max resolution:</i> 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz <i>Some:</i> NVIDIA® GeForce® GT 620 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; <i>Max resolution:</i> 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz														
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm														
Optical	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s Drive														
SATA controller	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive														
Onboard SATA	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset														
eSATA port	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar														
Media reader	None														
Chipset	Optional 9-in-1 media reader, internal USB 2.0														
Front ports	Intel H81 Express Chipset														
Rear ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)														
Rear audio ports	Two USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DisplayPort														
Audio	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)														
PCle WLAN ⁴	High Definition (HD) Audio, Realtek® ALC662 codec														
Bluetooth	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1														
Speaker	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8723BE, Wi-Fi/BT 4.0, 1x1														
IEEE 1394	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter														
Ethernet	Internal speaker for business audio (1.5 watt)														
Manageability	None														
Modem	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®														
Security chip	None														
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo														
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo														
Power supply	<i>Some:</i> 280 watts, autosensing, active PFC, 85% PSU														
Mechanical	• Business black color; metal case • 6.3" W X 16.6" D X 15.3" H (with handle) • 160mm W X 422mm D X 388mm H • 20.7 lb (9.4 kg) in maximum configuration • Handle on top front • Highlighted optical drive button for easy access														
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, opt disk* Bay 3: 3.5", 1" high, no access, std disk Bay 4: 1.5", .35" high, access, opt reader* *bay only available on models with HDD/SSD/reader installed														
Slot	Slot 1: half-length, full-height, PCIe 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1														
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available														



See footnotes for important warranty information

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ThinkCentre M73z with Frame Stand
and optional wireless keyboard and mouse



ThinkCentre M73z with Monitor Stand
and optional wireless keyboard and mouse



ThinkCentre M73z with Frame Stand
with optional PS/2 and Serial ports



ThinkCentre M73z with Monitor Stand
with optional PS/2 and Serial ports



ThinkCentre M73z with Frame Stand
with optional wireless keyboard and mouse



ThinkCentre M73z with Monitor Stand
with optional wireless keyboard and mouse

ThinkCentre M73z (10BC) - TopSeller (1-year Onsite)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Chassis intrusion switch	Serial & PS/2 port	Stand type	Key-board/Mouse	Global	Preload	Ann date (mm/dd/yy)
10BC0005US	i5-4430S	4GBx1 1600MHz	720p	500G 7200	HD 4600	N105	None	None	None	Frame	USB	None	Win7 Pro64 DG	09/24/13
10BC000HUS	G3220	2GBx1 1600MHz	720p	500G 7200	Intel HD	N105	None	None	None	Frame	USB	None	Win7 Pro64 DG	09/24/13

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- 1-year limited warranty

Positioning	Mainstream All-In-One PC for the enterprise		Preloaded operating system ²⁰ Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Device Experience● ThinkVantage AutoLock● Desktop Power Manager● View Management Utility● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Microsoft Office preloaded; purchase a product key to activate● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Evernote● Intel AppUp● Nitro Pro
Processor	Intel® Pentium® G3220 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i5-4430S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		
Implementation			
Memory	16GB max, 1600MHz DDR3L, two 204-pin SODIMM sockets (notebook) *System automatically clocks down for processors with 1333MHz memory controller		
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, external digital monitor support via VGA, supports dual independent display; Maximum resolution: 1600x900 (panel)@60Hz; 1920x1200 (VGA) @60Hz (Reduced Blanking)		
DP dongle	None		
Display	20.0" (508mm) HD+ (1600x900) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio		
Multi-touch	None		
Camera	Optional camera on top of screen, 1.0-megapixel, fixed focus, supports 720p, with digital microphone, physical switch on/off		
Controls	Side buttons for brightness up, brightness down, and power on/off		
Disk	Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high		
Media reader	Optional 7-in-1 Single Slot media reader, via internal USB 2.0		
Chipset	Intel H81 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), VGA out connector, optional serial (9-pin), two optional PS/2 ports (keyboard and mouse)		
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1		
Bluetooth	None		
Ethernet	One gigabit ethernet port, Intel I217-V		
Audio	High Definition (HD) Audio, Realtek ALC269VC		
Speaker	Two internal stereo speakers (2watt x 2)		
Intel AMT	None		
Modem	None		
IEEE 1394	None		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, Lenovo logo		
Power supply	150 watts, autosensing, 85% PSU		
Mechanical	<ul style="list-style-type: none">● Business black color● Carry handle in rear● Support VESA mount (100mm) With Frame stand: 19.9" W X 3.56" D X 15.9" H 506mm W X 90.5mm D X 404.75mm H 16.4 lb (7.46 kg) in maximum configuration Adjustable stand (between 10° and 35°) With Monitor stand: 19.9" W X 9.83" D X 16.7" H 506mm W X 249.8mm D X 423.9mm H 19.5 lb (8.84 kg) in maximum configuration Tilt: 10° to 25°; Lift: 110mm; Swivel: +/-45°;		
Limited Warranty	1-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		

See footnotes for important warranty information
US model(s) announced September 24, 2012

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ThinkCentre M73z (10BC) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Chassis intrusion switch	Serial PS/2 port	Stand type	Key-board/Mouse	Global	Preload	Ann date (mm/dd/yy)
10BC0001US	i7-4770S	8GBx1 1600MHz	720p	500G Hybrid	HD 4600	N2230	Media	None	S P	Monitor	2.4G	None	Win7 Pro64 DG	09/24/13
10BC0002US	i7-4770S	4GBx1 1600MHz	720p	1TB 7200	HD 4600	N2230	Media	None	None	Monitor	USB	None	Win7 Pro64 DG	09/24/13
10BC0003US	i5-4430S	4GBx1 1600MHz	720p	500G 7200	HD 4600	N2230	Media	None	None	Frame	USB	None	Win7 Pro64 DG	09/24/13
10BC0004US	i5-4570S	4GBx1 1600MHz	720p	500G 7200	HD 4600	N2230	Media	None	None	Monitor	USB	None	Win7 Pro64 DG	09/24/13
10BC0006US	i5-4570S	4GBx1 1600MHz	720p	500G Hybrid	HD 4600	N2230	Media	None	None	Monitor	USB	None	Win7 Pro64 DG	09/24/13
10BC0007US	i5-4570S	4GBx1 1600MHz	720p	500G 7200	HD 4600	N2230	None	None	None	Frame	USB	None	Win7 Pro64 DG	09/24/13
10BC0008US	i5-4570S	4GBx1 1600MHz	720p	180G SSD	HD 4600	N2230	Media	None	None	Monitor	USB	None	Win7 Pro64 DG	09/24/13
10BC0009US	i5-4570S	4GBx1 1600MHz	720p	128G SSD	HD 4600	N2230	Media	None	None	Monitor	USB	None	Win7 Pro64 DG	09/24/13

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- 3-year limited warranty

Positioning Processor	Mainstream All-In-One PC for the enterprise Intel® Core™ i5-4430S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system²⁰ Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) ● Rescue and Recovery™ ● Password Manager Preloaded applications (only some listed) ● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Communication Utility ● ThinkVantage Device Experience ● ThinkVantage AutoLock ● Desktop Power Manager ● View Management Utility ● Lenovo Cloud Storage by SugarSync ● Lenovo Solution Center ● Lenovo Message Center Plus ● Norton™ Internet Security (30 days of virus definitions) ● Adobe® Reader® ● Skype™ ● Microsoft Office preloaded; purchase a product key to activate ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Evernote ● Intel AppUp ● Nitro Pro	
Implementation				
Memory	16GB max, 1600MHz DDR3L , two 204-pin SODIMM sockets (notebook)			
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, external digital monitor support via VGA, supports dual independent display; <i>Maximum resolution:</i> 1600x900 (panel) @60Hz; 1920x1200 (VGA) @60Hz (Reduced Blanking)			
DP dongle	None			
Display	20.0" (508mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio			
Multi-touch	None			
Camera	Optional camera on top of screen, 1.0-megapixel, fixed focus, supports 720p, with digital microphone, physical switch on/off			
Controls	Side buttons for brightness up, brightness down, and power on/off			
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide			
Optical Media reader	DVD burner, SATA 1.5Gb/s, 12.7mm high Optional 7-in-1 Single Slot media reader, via internal USB 2.0			
Chipset	Intel H81 Express Chipset		Security ● Security chip (see information on left) ● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) ● Power-on password ● Administrator password ● Hard disk password ● Boot sequence control ● Boot without keyboard and mouse ● USB port disablement ● Chassis intrusion switch on selected model(s)	
Rear ports	Four USB 2.0, ethernet (RJ-45), VGA out connector, optional serial (9-pin), two optional PS/2 ports (keyboard and mouse)			
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
PCIe Mini Card	One PCI Express® Mini Card slot			
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2			
Bluetooth	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter			
Ethernet	One gigabit ethernet port, Intel I217-V			
Audio	High Definition (HD) Audio, Realtek ALC269VC			
Speaker	Two internal stereo speakers (2watt x 2)			
Intel AMT	None			
Modem	None		EPEAT™ Gold rating ENERGY STAR® 6.0-compliant Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant EuP 2013 Certified	
IEEE 1394	None			
Security chip	Trusted Platform Module (TPM 1.2-compliant)			
Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), Lenovo® logo <i>Some:</i> Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black			
Mouse	<i>Some:</i> Enhanced Optical USB Mouse, Lenovo logo <i>Some:</i> Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black			
Power supply	150 watts, autosensing, 85% PSU			
Mechanical	● Business black color ● Carry handle in rear ● Support VESA mount (100mm) <i>With Frame stand:</i> 19.9" W X 3.56" D X 15.9" H 506mm W X 90.5mm D X 404.75mm H 16.4 lb (7.46 kg) in maximum configuration Adjustable stand (between 10° and 35°) <i>With Monitor stand:</i> 19.9" W X 9.83" D X 16.7" H 506mm W X 249.8mm D X 423.9mm H 19.5 lb (8.84 kg) in maximum configuration Tilt: 10° to 25°; Lift: 110mm; Swivel: +/-45°;			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available			Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet

See footnotes for important warranty information
US model(s) announced September 24, 2012

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(MDST1-1) September 2013

ThinkCentre M73z (10BC) - TopSeller - II

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Chassis intrusion switch	Serial & PS/2 port	Stand type	Key-board/Mouse	Global	Preload	Ann date (mm/dd/yy)
10BC000BUS	i5-4670S	8GBx1	720p	1TB 7200	HD 4600	N2230	Media	None	None	Monitor	USB	None	Win7 Pro64 DG	09/24/13
10BC000CUS	i7-4770S	8GBx1	720p	1TB 7200	HD 4600	N2230	Media	None	None	Monitor	USB	None	Win7 Pro64 DG	09/24/13
10BC000DUS	i3-4130	4GBx1	720p	500G 7200	HD 4400	N2230	None	None	None	Monitor	USB	None	Win7 Pro64 DG	09/24/13
10BC000EUS	i3-4130	4GBx1	720p	500G 7200	HD 4400	N2230	None	None	None	Frame	USB	None	Win7 Pro64 DG	09/24/13
10BC000FUS	i3-4130	4GBx1	720p	500G Hybrid	HD 4400	N2230	None	None	None	Monitor	USB	None	Win7 Pro64 DG	09/24/13
10BC000GUS	G3220	2GBx1	720p	500G 7200	Intel HD	N2230	None	None	None	Monitor	USB	None	Win7 Pro64 DG	09/24/13
10BC000QUS	i5-4570S	4GBx1	720p	500G 7200	HD 4600	N2230	Media	None	None	None	USB	None	Win7 Pro64 DG	11/12/13
10BC000YUS	G3220	2GBx1	720p	500G 7200	Intel HD	N7260	None	None	None	Monitor	USB	None	Win7 P64 DG Win8.1	01/21/14
10BC0010US	i3-4130	4GBx1	720p	500G 7200	HD 4400	N7260	None	None	None	Monitor	USB	None	Win7 P64 DG Win8.1	01/21/14
10BC0011US	i5-4570S	4GBx1	720p	500G 7200	HD 4400	N7260	None	None	None	Monitor	USB	None	Win7 P64 DG Win8.1	01/21/14
10BC0014US	G1820	2GBx1	720p	500G 7200	Intel HD	N7260	None	None	None	Frame	USB	None	Win7 P64 DG Win8.1	03/04/14
Positioning Processor	<i>Mainstream All-In-One PC for the enterprise</i> Intel® Celeron® G1820 Processor (2 cores / 2 threads, 2.7GHz, 2MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Pentium® G3220 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4670S Processor (4 cores / 4 threads, 3.1GHz, 6MB cache), Turbo Boost 2.0 (3.8GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket											Preloaded operating system²⁰ <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Device Experience• ThinkVantage AutoLock• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Nitro Pro		
Implementation														
Memory	16GB max, 1600MHz DDR3L , two 204-pin SODIMM sockets (notebook) *System automatically clocks down for processors with 1333MHz memory controller													
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, external digital monitor support via VGA, supports dual independent display; <i>Maximum resolution:</i> 1600x900 (panel) @60Hz; 1920x1200 (VGA) @60Hz (Reduced Blanking)													
DP dongle	None													
Display	20.0" (508mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio													
Multi-touch	None													
Camera	Optional camera on top of screen, 1.0-megapixel, fixed focus, supports 720p, with digital microphone, physical switch on/off													
Controls	Side buttons for brightness up, brightness down, and power on/off													
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide													
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high													
Media reader	Optional 7-in-1 Single Slot media reader, via internal USB 2.0													
Chipset	Intel H81 Express Chipset													
Rear ports	Four USB 2.0, ethernet (RJ-45), VGA out connector, optional serial (9-pin), two optional PS/2 ports (keyboard and mouse)													
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)													
PCIe Mini Card	One PCI Express® Mini Card slot													
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2													
Bluetooth	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter													
Ethernet	One gigabit ethernet port, Intel I217-V													
Audio	High Definition (HD) Audio, Realtek ALC269VC													
Speaker	Two internal stereo speakers (2watt x 2)													
Intel AMT	None													
Modem	None													
IEEE 1394	None													
Security chip	Trusted Platform Module (TPM 1.2-compliant)													
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo													
Mouse	Enhanced Optical USB Mouse, Lenovo logo													
Power supply	150 watts, autosensing, 85% PSU													
Mechanical	<ul style="list-style-type: none">• Business black color• Carry handle in rear• Support VESA mount (100mm) <i>With Frame stand:</i> 19.9" W X 3.56" D X 15.9" H 506mm W X 90.5mm D X 404.75mm H 16.4 lb (7.46 kg) in maximum configuration Adjustable stand (between 10° and 35°) <i>With Monitor stand:</i> 19.9" W X 9.83" D X 16.7" H 506mm W X 249.8mm D X 423.9mm H 19.5 lb (8.84 kg) in maximum configuration Tilt: 10° to 25°; Lift: 110mm; Swivel: +/-45°;											Security <ul style="list-style-type: none">• Security chip (see information on left)• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• USB port disablement• Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 6.0-compliant Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant EuP 2013 Certified Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available													

See footnotes for important warranty information

US model(s) announced September 24 or November 12, 2013 or January 21 or March 4, 2014

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(MDST1-2) March 2014

ThinkCentre M73z (10BC) - TopSeller - III

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ⁸	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Chassis intrusion switch	Serial & PS/2 port	Stand type	Key-board/Mouse	Global	Preload	Ann date (mm/dd/yy)
10BC001DUS	I3-4150	8GBx1	720p	256G SSD	HD 4400	7260 b/g/n	None	None	None	Frame	USB	None	Win7 P64 DG Win8.1	10/28/14
10BC001WUS	I7-4790S	4GBx1	720p	180G SSD	HD 4600	7260 b/g/n	Media	None	None	Frame	USB	None	Win7 P64 DG Win8.1	10/28/14
10BC001RUS	I5-4590S	4GBx1	720p	500G 7200	HD 4600	7260 ac	None	None	None	Frame	USB	None	Win7 P64 DG Win8.1	10/28/14
10BC001EUS	I3-4150	4GBx1	720p	1TB 7200	HD 4400	7260 b/g/n	None	None	None	Frame	USB	None	Win7 P64 DG Win8.1	10/28/14
10BC001GUS	I3-4150	4GBx1	720p	500G 7200	HD 4400	7260 b/g/n	None	None	None	Monitor	USB	None	Win7 P64 DG Win8.1	10/28/14
10BC001NUS	I5-4590S	8GBx1	720p	256G SSD	HD 4600	7260 b/g/n	None	None	None	Monitor	USB	None	Win7 P64 DG Win8.1	10/28/14
10BC001SUS	I7-4790S	4GBx1	720p	500G 7200	HD 4600	7260 b/g/n	Media	None	None	Monitor	USB	None	Win7 P64 DG Win8.1	10/28/14
10BC001JUS	I5-4590S	4GBx1	720p	500G 7200	HD 4600	7260 b/g/n	None	None	None	Frame	USB	None	Win7 P64 DG Win8.1	10/28/14
10BC001VUS	I7-4790S	4GBx1	720p	180G SSD	HD 4600	7260 b/g/n	Media	None	None	Monitor	USB	None	Win7 P64 DG Win8.1	10/28/14
10BC001UUS	I7-4790S	8GBx1	720p	256G SSD	HD 4600	7260 b/g/n	Media	None	None	Monitor	USB	None	Win7 P64 DG Win8.1	10/28/14
10BC001HUS	I3-4150	4GBx1	720p	180G SSD	HD 4400	7260 b/g/n	None	None	None	Monitor	USB	None	Win7 P64 DG Win8.1	10/28/14
10BC001TUS	I7-4790S	8GBx1	720p	1TB 7200	HD 4600	7260 b/g/n	Media	None	None	Monitor	USB	None	Win7 P64 DG Win8.1	10/28/14
10BC001CUS	I3-4150	4GBx1	720p	180G SSD	HD 4400	7260 b/g/n	None	None	None	Frame	USB	None	Win7 P64 DG Win8.1	10/28/14
10BC001MUS	I5-4590S	4GBx1	720p	180G SSD	HD 4600	7260 b/g/n	None	None	None	Monitor	USB	None	Win7 P64 DG Win8.1	10/28/14
10BC001LUS	I5-4590S	4GBx1	720p	180G SSD	HD 4600	7260 b/g/n	None	None	None	Frame	USB	None	Win7 P64 DG Win8.1	10/28/14
10BC001FUS	I3-4150	4GBx1	720p	500G 7200	HD 4400	7260 ac	None	None	None	Frame	USB	None	Win7 P64 DG Win8.1	10/28/14
10BC001BUS	I3-4150	4GBx1	720p	500G 7200	HD 4400	7260 b/g/n	None	None	None	Frame	USB	None	Win7 P64 DG Win8.1	10/28/14
10BC001KUS	I5-4590S	4GBx1	720p	1TB 7200	HD 4600	7260 b/g/n	None	None	None	Frame	USB	None	Win7 P64 DG Win8.1	10/28/14
Positioning Processor	Mainstream All-In-One PC for the enterprise Intel® Core™ i3-4150 Processor (2 cores / 4 threads, 3.5GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4590S Processor (4 cores / 4 threads, 3.0GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4790S Processor (4 cores / 8 threads, 3.2GHz, 8MB cache), Turbo Boost 2.0 (4.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket											Preloaded operating system ²⁰ Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit		
Implementation												Ready to install applications (only some listed)		
Memory	16GB max, 1600MHz DDR3L, two 204-pin SODIMM sockets (notebook) *System automatically clocks down for processors with 1333MHz memory controller											• Rescue and Recovery™ • Password Manager Preloaded applications (only some listed)		
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, external digital monitor support via VGA, supports dual independent display; Max resolution: 1600x900 (panel) @60Hz; 1920x1200 (VGA) @60Hz (Reduced Blank-ing)											• ThinkVantage® Product Recovery • ThinkVantage System Update • ThinkVantage Communication Utility • ThinkVantage Device Experience • ThinkVantage AutoLock • Desktop Power Manager • View Management Utility • Lenovo Cloud Storage by SugarSync • Lenovo Solution Center • Lenovo Message Center Plus • Norton™ Internet Security (30 days of virus definitions) • Adobe® Reader® • Skype™ • Microsoft Office preloaded; purchase a product key to activate • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) • Evernote • Nitro Pro		
DP dongle	None											Security • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard and mouse • USB port disablement • Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 6.0-compliant Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant EuP 2013 Certified Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet		
Display	20.0" (508mm) HD+ (1600x900) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio													
Multi-touch	None													
Camera	Optional camera on top of screen, 1.0-megapixel, fixed focus, supports 720p, with digital microphone, physical switch on/off													
Controls	Side buttons for brightness up, brightness down, and power on/off													
Disk	Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm Some: 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide													
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high													
Media reader	Optional 7-in-1 Single Slot media reader, via internal USB 2.0													
Chipset	Intel H81 Express Chipset													
Rear ports	Four USB 2.0, ethernet (RJ-45), VGA out connector, optional serial (9-pin), two optional PS/2 ports (keyboard and mouse)													
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)													
PCIe Mini Card	One PCI Express® Mini Card slot													
PCIe WLAN	Some: 11ac/a/b/g/n wireless, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo adapter, 2x2 Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2 Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter													
Bluetooth	One gigabit ethernet port, Intel I217-V													
Ethernet	High Definition (HD) Audio, Realtek ALC269VC													
Audio	Two internal stereo speakers (2watt x 2)													
Speaker	None													
Intel AMT	None													
Modem	None													
IEEE 1394	None													
Security chip	Trusted Platform Module (TPM 1.2-compliant)													
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo													
Mouse	Enhanced Optical USB Mouse, Lenovo logo													
Power supply	150 watts, autosensing, 85% PSU													
Mechanical	• Business black color • Carry handle in rear • Support VESA mount (100mm) With Frame stand: 19.9" W X 3.56" D X 15.9" H 506mm W X 90.5mm D X 404.75mm H 16.4 lb (7.46 kg) in maximum configuration Adjustable stand (between 10° and 35°) With Monitor stand: 19.9" W X 9.83" D X 16.7" H 506mm W X 249.8mm D X 423.9mm H 19.5 lb (8.84 kg) in maximum configuration Tilt: 10° to 25°; Lift: 110mm; Swivel: +/-45°													
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available													

See footnotes for important warranty information

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(MDST1-8) October 2014

ThinkCentre M73z (10BC) - TopSeller (Win8)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Chassis intrusion switch	Serial & PS/2 port	Stand type	Key-board/Mouse	Global	Preload	Ann date (mm/dd/yy)
10BC000AUS	i5-4570S	4GBx1 1600MHz	720p	500GB 7200	HD 4600	N2230	Media	None	None	Frame	USB	None	Win8 Pro64	09/24/13

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- 3-year limited warranty

Positioning	Mainstream All-In-One PC for the enterprise		Preloaded operating system Windows® 8 Pro 64-bit
Processor	Intel® Core™ i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller		
Implementation	Processor in LGA1150 socket		Web install applications (only some listed) <ul style="list-style-type: none">• Password Manager
Memory	16GB max, 1600MHz DDR3L, two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, external digital monitor support via VGA, supports dual independent display; Maximum resolution: 1600x900 (panel) @60Hz; 1920x1200 (VGA) @60Hz (Reduced Blanking)		Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage System Update• ThinkVantage AutoLock• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Support• Lenovo Companion• Norton Internet Security (30 days of virus definitions)• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote®• Intel AppUp• Nitro Pro• AccuWeather• Norton™ Studio
DP dongle	None		
Display	20.0" (508mm) HD+ (1600x900) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio		
Multi-touch	None		
Camera	Optional camera on top of screen, 1.0-megapixel, fixed focus, supports 720p, with digital microphone, physical switch on/off		
Controls	Side buttons for brightness up, brightness down, and power on/off		
Disk	Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high		
Media reader	Optional 7-in-1 Single Slot media reader, via internal USB 2.0		
Chipset	Intel H81 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), VGA out connector, optional serial (9-pin), two optional PS/2 ports (keyboard and mouse)		
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Intel I217-V		
Audio	High Definition (HD) Audio, Realtek ALC269VC		
Speaker	Two internal stereo speakers (2watt x 2)		
Intel AMT	None		
Modem	None		
IEEE 1394	None		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, Lenovo logo		
Power supply	150 watts, autosensing, 85% PSU		
Mechanical	<ul style="list-style-type: none">• Business black color• Carry handle in rear• Support VESA mount (100mm) With Frame stand: 19.9" W X 3.56" D X 15.9" H 506mm W X 90.5mm D X 404.75mm H 16.4 lb (7.46 kg) in maximum configuration Adjustable stand (between 10° and 35°) With Monitor stand: 19.9" W X 9.83" D X 16.7" H 506mm W X 249.8mm D X 423.9mm H 19.5 lb (8.84 kg) in maximum configuration Tilt: 10° to 25°; Lift: 110mm; Swivel: +/-45°;		
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		

See footnotes for important warranty information
US model(s) announced September 24, 2012

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(MDST1-3) September 2013

ThinkCentre M73z (10BB)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Chassis intrusion switch	Serial & PS/2 port	Stand type	Key-board/Mouse	Global	Preload	Ann date (mm/dd/yy)
10BB0000US	i7-4770S	8GBx1 1600MHz	720p	1TB Hybrid	HD 4600	N2230	Media	None	S P	Monitor	USB	None	Win7 Pro64	09/24/13
10BB000FUS	i5-4570S	4GBx1 1600MHz	720p	500G 7200	HD 4600	N2230	Media	None	None	Monitor	USB	None	Win7 Pro64	DG 09/24/13
10BB000GUS	i7-4770S	8GBx1 1600MHz	720p	500G Hybrid	HD 4600	N2230	Media	None	None	Monitor	USB	None	Win7 Pro64	DG 09/24/13
10BB000HUS	i5-4430S	4GBx1 1600MHz	720p	500G 7200	HD 4600	N105	None	None	None	Frame	USB	None	Win7 Pro64	DG 09/24/13
10BB000JUS	i5-4570S	4GBx1 1600MHz	720p	500G Hybrid	HD 4600	N2230	Media	None	S P	Monitor	2.4G	None	Win7 Pro64	DG 09/24/13
10BB001EUS	i7-4770S	8GBx1 1600MHz	720p	1TB 7200	HD 4600	N2230	Media	None	None	Monitor	USB	None	Win7 Pro64	DG 09/24/13
10BB001FUS	i5-4570S	4GBx1 1600MHz	720p	500G 7200	HD 4600	N105	None	None	None	Frame	USB	None	Win7 Pro64	DG 09/24/13
10BB0021US	i3-4130	4GBx1 1600MHz	720p	500G 7200	HD 4400	N2230	None	None	None	Monitor	USB	None	Win7 Pro64	DG 09/24/13
10BB0022US	G3220	2GBx1 1600MHz	720p	500G 7200	Intel HD	N105	None	None	None	Monitor	USB	None	Win7 Pro64	DG 09/24/13
10BB0023US	i3-4130	4GBx1 1600MHz	720p	500G Hybrid	HD 4400	N2230	None	None	None	Monitor	USB	None	Win7 Pro64	DG 09/24/13
Positioning Processor	Mainstream All-In-One PC for the enterprise Intel® Pentium® G3220 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4430S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket										Preloaded operating system²⁰ <i>Some:</i> Windows 7 Professional 64 <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none"> • Rescue and Recovery™ • Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none"> • ThinkVantage® Product Recovery • ThinkVantage System Update • ThinkVantage Communication Utility • ThinkVantage Device Experience • ThinkVantage AutoLock • Desktop Power Manager • View Management Utility • Lenovo Cloud Storage by SugarSync • Lenovo Solution Center • Lenovo Message Center Plus • Norton™ Internet Security (30 days of virus definitions) • Adobe® Reader® • Skype™ • Microsoft Office preloaded; purchase a product key to activate • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) • Evernote • Intel AppUp • Nitro Pro 			
Implementation														
Memory	16GB max, 1600MHz DDR3L , two 204-pin SODIMM sockets (notebook) *System automatically clocks down for processors with 1333MHz memory controller													
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, external digital monitor support via VGA, supports dual independent display; <i>Maximum resolution:</i> 1600x900 (panel) @60Hz; 1920x1200 (VGA) @60Hz (Reduced Blanking)													
DP dongle	None													
Display	20.0" (508mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio													
Multi-touch	None													
Camera	Optional camera on top of screen, 1.0-megapixel, fixed focus, supports 720p, with digital microphone, physical switch on/off													
Controls	Side buttons for brightness up, brightness down, and power on/off													
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 1TB (7200 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 3.5" wide <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide													
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high													
Media reader	Optional 7-in-1 Single Slot media reader, via internal USB 2.0													
Chipset	Intel H81 Express Chipset													
Rear ports	Four USB 2.0, ethernet (RJ-45), VGA out connector, optional serial (9-pin), two optional PS/2 ports (keyboard and mouse)													
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)													
PCIe Mini Card	One PCI Express® Mini Card slot													
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2													
Bluetooth	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter													
Ethernet	One gigabit ethernet port, Intel I217-V													
Audio	High Definition (HD) Audio, Realtek ALC269VC													
Speaker	Two internal stereo speakers (2watt x 2)													
Intel AMT	None													
Modem	None													
IEEE 1394	None													
Security chip	Trusted Platform Module (TPM 1.2-compliant)													
Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), Lenovo® logo <i>Some:</i> Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black													
Mouse	<i>Some:</i> Enhanced Optical USB Mouse, Lenovo logo <i>Some:</i> Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black													
Power supply	150 watts, autosensing, 85% PSU													
Mechanical	<ul style="list-style-type: none"> • Business black color • Carry handle in rear • Support VESA mount (100mm) <i>With Frame stand:</i> 19.9" W X 3.56" D X 15.9" H 506mm W X 90.5mm D X 404.75mm H 16.4 lb (7.46 kg) in maximum configuration Adjustable stand (between 10° and 35°) <i>With Monitor stand:</i> 19.9" W X 9.83" D X 16.7" H 506mm W X 249.8mm D X 423.9mm H 19.5 lb (8.84 kg) in maximum configuration Tilt: 10° to 25°; Lift: 110mm; Swivel: +/-45°;										Security <ul style="list-style-type: none"> • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard and mouse • USB port disablement • Chassis intrusion switch on selected model(s) 			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available										EPEAT™ Gold rating ENERGY STAR® 6.0-compliant Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant EuP 2013 Certified Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet			

ThinkCentre M73z (10BB) - II

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Chassis intrusion switch	Serial & PS/2 port	Stand type	Key-board/ Mouse	Global	Preload	Ann date (mm/yy)
10BB0053US	i7-4790S	4GBx2 1600MHz	720p	1TB 7200	HD 4600	N7260	Media	None	None	Monitor	USB	None	Win7 P64 DG	Win8.1 11/14
10BBA0JJUS	i3-4150	4GBx1 1600MHz	720p	500G 7200	HD 4400	N7260	Media	None	None	Frame	USB	None	Win7 P64 DG	Win8.1 11/14
10BB0052US	i5-4590S	4GBx1 1600MHz	720p	500G 7200	HD 4600	N7260	Media	None	None	Monitor	USB	None	Win7 P64 DG	Win8.1 11/14

Positioning	Mainstream All-In-One PC for the enterprise		Preloaded operating system ²⁰ Some: Windows 7 Professional 64 Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8/8.1 Pro 64-bit
Processor	Intel® Core™ i3-4150 Processor (2 cores / 4 threads, 3.5GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4590S Processor (4 cores / 4 threads, 3.0GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4790S Processor (4 cores / 8 threads, 3.2GHz, 8MB cache), Turbo Boost 2.0 (4.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		
Implementation	Processor in LGA1150 socket		Ready to install applications (only some listed) <ul style="list-style-type: none">Rescue and Recovery™Password Manager
Memory	16GB max, 1600MHz DDR3L, two 204-pin SODIMM sockets (notebook) *System automatically clocks down for processors with 1333MHz memory controller		
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, external digital monitor support via VGA, supports dual independent display; Maximum resolution: 1600x900 (panel)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)		Preloaded applications (only some listed) <ul style="list-style-type: none">ThinkVantage® Product RecoveryThinkVantage System UpdateThinkVantage Communication UtilityThinkVantage Device ExperienceThinkVantage AutoLockDesktop Power ManagerView Management UtilityLenovo Cloud Storage by SugarSyncLenovo Solution CenterLenovo Message Center PlusNorton™ Internet Security (30 days of virus definitions)Adobe® Reader®Skype™Microsoft Office preloaded; purchase a product key to activateCyberlink Power2Go (DVD±RW)Cyberlink PowerProducer (DVD±RW)EvernoteIntel AppUpNitro Pro
DP dongle	None		
Display	20.0" (508mm) HD+ (1600x900) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio		
Multi-touch	None		
Camera	Optional camera on top of screen, 1.0-megapixel, fixed focus, supports 720p, with digital microphone, physical switch on/off		
Controls	Side buttons for brightness up, brightness down, and power on/off		
Disk	Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm Some: 1TB (7200 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 3.5" wide Some: 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high		
Media reader	Optional 7-in-1 Single Slot media reader, via internal USB 2.0		
Chipset	Intel H81 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), VGA out connector, optional serial (9-pin), two optional PS/2 ports (keyboard and mouse)		
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Intel I217-V		
Audio	High Definition (HD) Audio, Realtek ALC269VC		
Speaker	Two internal stereo speakers (2watt x 2)		
Intel AMT	None		
Modem	None		
IEEE 1394	None		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	Some: Preferred Pro USB Keyboard (USB connector), Lenovo® logo Some: Ultrasm Plus Wireless Keyboard (2.4GHz via USB receiver), black		
Mouse	Some: Enhanced Optical USB Mouse, Lenovo logo Some: Ultrasm Plus Wireless Mouse (2.4GHz via USB receiver), black		
Power supply	150 watts, autosensing, 85% PSU		
Mechanical	<ul style="list-style-type: none">Business black colorCarry handle in rearSupport VESA mount (100mm) With Frame stand: 19.9" W X 3.56" D X 15.9" H 506mm W X 90.5mm D X 404.75mm H 16.4 lb (7.46 kg) in maximum configuration Adjustable stand (between 10° and 35°) With Monitor stand: 19.9" W X 9.83" D X 16.7" H 506mm W X 249.8mm D X 423.9mm H 19.5 lb (8.84 kg) in maximum configuration Tilt: 10° to 25°; Lift: 110mm; Swivel: +/-45°;		
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		

See footnotes for important warranty information

ThinkCentre M73z (10BB) - GMP

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Chassis intrusion switch	Serial & PS/2 port	Stand type	Key-board/ Mouse	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10BB000EUS i5-4570S	4GBx1 1600MHz	720p	500G 7200	HD 4600	N2230	Media	Switch	None	Monitor	USB	G P	Win7 Pro64	DG	09/24/13
10BB001DUS i5-4570S	4GBx1 1600MHz	720p	500G 7200	HD 4600	N2230	Media	Switch	None	Frame	USB	G P	Win7 Pro64	DG	09/24/13
10BB002VUS i3-4130	4GBx1 1600MHz	720p	500G 7200	HD 4400	N2230	Media	Switch	None	Monitor	USB	G P	Win7 Pro64	DG	09/24/13
10BB004QUS i5-4590S	4GBx1 1600MHz	720p	500G 7200	HD 4600	N2230	Media	Switch	None	Frame	USB	G P	Win7 Pro64	DG	06/24/14
10BB004TUS i5-4590S	4GBx1 1600MHz	720p	500G 7200	HD 4600	N7260	Media	Switch	None	Frame	USB	G P	Win7 Pro64	DG	06/24/14

- Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning Processor	Mainstream All-In-One PC for the enterprise Intel® Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590S Processor (4 cores / 4 threads, 3.0GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system²⁰ <i>Some:</i> Windows 7 Professional 64 <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
Implementation			Ready to install applications (only some listed)
Memory	16GB max, 1600MHz DDR3L , two 204-pin SODIMM sockets (notebook)		<ul style="list-style-type: none">• Rescue and Recovery™• Password Manager
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, external digital monitor support via VGA, supports dual independent display; <i>Maximum resolution:</i> 1600x900 (panel) @60Hz; 1920x1200 (VGA) @60Hz (Reduced Blanking)		Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Device Experience• ThinkVantage AutoLock• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Nitro Pro
DP dongle	None		Security <ul style="list-style-type: none">• Security chip (see information on left)• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• USB port disablement• Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 6.0-compliant Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant EuP 2013 Certified Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet
Display	20.0" (508mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio		
Multi-touch	None		
Camera	Optional camera on top of screen, 1.0-megapixel, fixed focus, supports 720p, with digital microphone, physical switch on/off		
Controls	Side buttons for brightness up, brightness down, and power on/off		
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high		
Media reader	Optional 7-in-1 Single Slot media reader, via internal USB 2.0		
Chipset	Intel H81 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), VGA out connector, optional serial (9-pin), two optional PS/2 ports (keyboard and mouse)		
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Intel I217-V		
Audio	High Definition (HD) Audio, Realtek ALC269VC		
Speaker	Two internal stereo speakers (2watt x 2)		
Intel AMT	None		
Modem	None		
IEEE 1394	None		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, Lenovo logo		
Power supply	150 watts, autosensing, 85% PSU		
Mechanical	<ul style="list-style-type: none">• Business black color• Carry handle in rear• Support VESA mount (100mm) <i>With Frame stand:</i> 19.9" W X 3.56" D X 15.9" H 506mm W X 90.5mm D X 404.75mm H 16.4 lb (7.46 kg) in maximum configuration Adjustable stand (between 10° and 35°) <i>With Monitor stand:</i> 19.9" W X 9.83" D X 16.7" H 506mm W X 249.8mm D X 423.9mm H 19.5 lb (8.84 kg) in maximum configuration Tilt: 10° to 25°; Lift: 110mm; Swivel: +/-45°;		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		

See footnotes for important warranty information

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ThinkCentre M73z (10BB) - GMP (Win8/8.1)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Chassis intrusion switch	Serial & PS/2 port	Stand type	Key-board/ Mouse	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10BB001CUS	i5-4570S	4GBx1 1600MHz	720p	500G 7200	HD 4600	N2230	Media	Switch	None	Frame	USB	G P	Win8 Pro64	09/24/13
10BB003VUS	i5-4570S	4GBx1 1600MHz	720p	500G 7200	HD 4600	N7260	Media	Switch	None	Frame	USB	G P	Win8.1 Pro64	02/25/14
10BB004PUS	i5-4590S	4GBx1 1600MHz	720p	500G 7200	HD 4600	N7260	Media	Switch	None	Frame	USB	G P	Win8.1 Pro64	06/24/14

- Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning	<i>Mainstream All-In-One PC for the enterprise</i>										Preloaded operating system		
Processor	Intel® Core™ i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590S Processor (4 cores / 4 threads, 3.0GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket										<i>Some:</i> Windows® 8 Pro 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit		
Implementation	Processor in LGA1150 socket										Web install applications (only some listed)		
Memory	16GB max, 1600MHz DDR3L , two 204-pin SODIMM sockets (notebook)										• Password Manager		
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, external digital monitor support via VGA, supports dual independent display; <i>Maximum resolution:</i> 1600x900 (panel)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)										Preloaded applications (only some listed)		
DP dongle	None										• ThinkVantage System Update		
Display	20.0" (508mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio										• ThinkVantage AutoLock		
Multi-touch	None										• Desktop Power Manager		
Camera	Optional camera on top of screen, 1.0-megapixel, fixed focus, supports 720p, with digital microphone, physical switch on/off										• View Management Utility (for Windows 8 only)		
Controls	Side buttons for brightness up, brightness down, and power on/off										• Lenovo Cloud Storage by SugarSync (for Windows 8 only)		
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm										• Lenovo Solution Center		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high										• Lenovo Support		
Media reader	Optional 7-in-1 Single Slot media reader, via internal USB 2.0										• Lenovo Companion		
Chipset	Intel H81 Express Chipset										• Norton Internet Security (30 days of virus definitions)		
Rear ports	Four USB 2.0, ethernet (RJ-45), VGA out connector, optional serial (9-pin), two optional PS/2 ports (keyboard and mouse)										• Skype™		
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)										• Microsoft Office preloaded; purchase a product key to activate		
PCIe Mini Card	One PCI Express® Mini Card slot										• Cyberlink PowerDVD (DVD±RW, DVD)		
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2										• Cyberlink Power2Go (DVD±RW)		
	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2										• Cyberlink PowerProducer (DVD±RW)		
Bluetooth	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter										• Evernote®		
Ethernet	One gigabit ethernet port, Intel I217-V										• Intel AppUp		
Audio	High Definition (HD) Audio, Realtek ALC269VC										• Nitro Pro		
Speaker	Two internal stereo speakers (2watt x 2)										• AccuWeather		
Intel AMT	None										• Norton™ Studio		
Modem	None										• Pokki (for Windows 8.1 only)		
IEEE 1394	None										• Hightail (for Windows 8.1 only)		
Security chip	Trusted Platform Module (TPM 1.2-compliant)										Security		
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo										• Security chip (see information on left)		
Mouse	Enhanced Optical USB Mouse, Lenovo logo										• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)		
Power supply	150 watts, autosensing, 85% PSU										• Power-on password		
Mechanical	<ul style="list-style-type: none"> • Business black color • Carry handle in rear • Support VESA mount (100mm) <i>With Frame stand:</i> 19.9" W X 3.56" D X 15.9" H 506mm W X 90.5mm D X 404.75mm H 16.4 lb (7.46 kg) in maximum configuration Adjustable stand (between 10° and 35°) <i>With Monitor stand:</i> 19.9" W X 9.83" D X 16.7" H 506mm W X 249.8mm D X 423.9mm H 19.5 lb (8.84 kg) in maximum configuration Tilt: 10° to 25°; Lift: 110mm; Swivel: +/-45°;										• Administrator password		
											• Hard disk password		
											• Boot sequence control		
											• Boot without keyboard and mouse		
											• USB port disablement		
											• Chassis intrusion switch on selected model(s)		
											EPEAT™ Gold rating		
											ENERGY STAR® 6.0-compliant		
											Cisco EnergyWise compatible		
											GREENGUARD® certified		
											RoHS-compliant		
											EuP 2013 Certified		
											Supports ThinkVantage Technologies		
											For compatible accessories, please go to TC-AQP sheet;		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available										For Lenovo service upgrade options, please go to S-TC sheet		

See footnotes for important warranty information

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ThinkCentre M78 Small and Tower

ThinkCentre®



Lenovo ThinkCentre M78
Small and Tower



Lenovo ThinkCentre M78 Tower
with Lenovo ThinkVision Monitor



Lenovo ThinkCentre M78 Small



Lenovo ThinkCentre M78 Small
with Lenovo ThinkVision Monitor



Lenovo ThinkCentre M78 Tower



Lenovo ThinkCentre M78 Tower

ThinkCentre M78 Small (10BU) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Chassis intrusion switch	PS/2 port	Floor stand	DP to DP Cable	Global	Preload	Ann date (mm/dd/yy)
10BU0000US	4x3	A4-5300	2GBx1	250G 7200	DVD±RW	None	None	HD 7480D	None	None	Stand	None	None	Win7 Pro64 (DG)	10/01/13
10BU0001US	4x3	A6-5400B	4GBx1	500G 7200	DVD±RW	None	None	HD 7540D	None	None	Stand	None	None	Win7 Pro64 (DG)	10/01/13
10BU0002US	4x3	A4-6300B	4GBx1	500G 7200	DVD±RW	None	None	HD 8370D	None	None	Stand	None	None	Win7 Pro64 (DG)	10/01/13
10BU0003US	4x3	A6-6400B	4GBx1	500G 7200	DVD±RW	None	None	HD 8470D	None	None	Stand	None	None	Win7 Pro64 (DG)	10/01/13
10BU0004US	4x3	A8-6500B	4GBx1	500G 7200	DVD±RW	None	None	HD 8570D	None	None	Stand	None	None	Win7 Pro64 (DG)	10/01/13
10BU0005US	4x3	A8-6500B	8GBx1	1TB 7200	DVD±RW	None	None	HD 8570	None	None	Stand	Cable	None	Win7 Pro64 (DG)	10/01/13
10BU0006US	4x3	A6-6400B	8GBx1	1TB 7200	DVD±RW	None	None	HD 8570	None	None	Stand	Cable	None	Win7 Pro64 (DG)	10/01/13
10BU0007US	4x3	A4-6300B	8GBx1	1TB 7200	DVD±RW	None	None	HD 8570	None	None	Stand	Cable	None	Win7 Pro64 (DG)	10/01/13
10BU0008US	4x3	A4-6300B	2GBx1	500G 7200	DVD±RW	None	None	HD 8370D	None	None	Stand	None	None	Win7 Pro64 (DG)	10/22/13
10BU0009US	4x3	A6-6400B	2GBx1	500G 7200	DVD±RW	None	None	HD 8470D	None	None	None	None	None	Win7 Pro64 (DG)	12/10/13

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- 3-year limited warranty

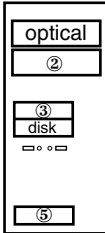
Positioning Processor	Mainstream enterprise stability and manageability AMD APU A4-5300 (dual-core, 3.4GHz, 1MB L2 cache), Turbo Core (up to 3.6GHz), AMD Radeon™ HD 7480D Graphics, DDR3 memory controller (up to 1600MHz) AMD APU A4-6300B (dual-core, 3.7GHz, 1MB L2 cache), Turbo Core (up to 3.9GHz), AMD Radeon HD 8370D Graphics, DDR3 memory controller (up to 1600MHz) AMD APU A6-5400B (dual-core, 3.6GHz, 1MB L2 cache), Turbo Core (up to 3.8GHz), AMD Radeon HD 7540D Graphics, DDR3 memory controller (up to 1866MHz) AMD APU A6-6400B (dual-core, 3.9GHz, 1MB L2 cache), Turbo Core (up to 4.1GHz), AMD Radeon HD 8470D Graphics, DDR3 memory controller (up to 1866MHz) AMD APU A8-6500B (quad-core, 3.5GHz, 4MB L2 cache), Turbo Core (up to 4.1GHz), AMD Radeon HD 8570D Graphics, DDR3 memory controller (up to 1866MHz) Processor in Socket FM2		Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Power Manager• View Management Utility• PC Device Stage• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Evernote®• Microsoft® Office preloaded; purchase a product key to activate• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Nitro Pro	
Implementation	Processor in Socket FM2		Security <ul style="list-style-type: none">• Security chip (see information on left)• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)• Cable lock• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Individual USB port disablement• Chassis intrusion switch on selected model(s) RoHS-compliant Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet	
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets			
Graphics	AMD Radeon HD Graphics , integrated in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display, works along with optional discrete graphics to support up to four independent monitors; <i>Maximum resolution:</i> 1920x1200 (VGA) @60Hz; 2560x2048 (DisplayPort) @60Hz <i>Some:</i> AMD Radeon™ HD 8570 , DirectX 11, 3D Hardware Acceleration, 2GB, PCI Express 3.0 x16 adapter (8x elec), one VGA, one HDMI, 40 watts; <i>Max resolution:</i> 4096x2160 (HDMI) @24Hz; 2048x1536 (VGA) @85Hz <i>Some:</i> DisplayPort to DisplayPort monitor cable			
DP cable	<i>Some:</i> DisplayPort to DisplayPort monitor cable			
Disk	SATA 6.0Gb/s 7200 rpm			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1			
Onboard SATA	Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar			
eSATA port	None			
Media reader	None			
Chipset	AMD A75 Chipset			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort, optional keyboard (PS/2), optional mouse (PS/2)			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)			
PCIe WLAN	None			
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB device)			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
Speaker	Internal speaker for business audio			
IEEE 1394	None			
Ethernet	One gigabit ethernet port, Realtek RTL8111E, Wake on LAN®			
Modem	None			
Security chip	Trusted Platform Module (TPM 1.2-compliant)			
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Floor Stand	Optional System floor stand for vertical orientation			
Power supply	240 watts, autosensing			
Machine	<ul style="list-style-type: none">• Business black color; metal case• 13.3" W X 15.0" D X 3.9" H• 339mm W X 381mm D X 100mm H• 16.5 lb (7.5 kg) in maximum configuration• Toolless cover flips up and tilts backward on rear hinges• Toolless disk and optical drive removal• Toolless adapter retention			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 3.5", .5" high, access, opt reader			
Slot	Slot 1: Low Profile, PCI Express 2.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available			

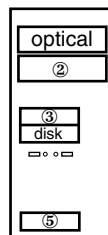
ThinkCentre M78 Tower (10BR) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ⁸	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Chassis intrusion switch	PS/2 port	DP to DP Cable	Global	Preload	Ann date (mm/dd/yy)
10BR0000US	4x5	A4-5300	2GBx1	250G 7200	DVD±RW	None	None	HD 7480D	None	None	None	None	Win7 P64 DG Win8	10/01/13
10BR0001US	4x5	A6-5400B	4GBx1	500G 7200	DVD±RW	None	None	HD 7540D	None	None	None	None	Win7 P64 DG Win8	10/01/13
10BR0002US	4x5	A4-6300B	2GBx1	500G 7200	DVD±RW	None	None	HD 8370D	None	None	None	None	Win7 P64 DG Win8	10/01/13
10BR0004US	4x5	A6-6400B	4GBx1	500G 7200	DVD±RW	None	None	HD 8470D	None	None	None	None	Win7 P64 DG Win8	10/01/13
10BR0005US	4x5	A8-6500B	4GBx1	500G 7200	DVD±RW	None	None	HD 8570D	None	None	None	None	Win7 P64 DG Win8	10/01/13
10BR0006US	4x5	A8-6500B	8GBx1	1TB 7200	DVD±RW	None	None	HD 8570	None	None	Cable	None	Win7 P64 DG Win8	10/01/13
10BR0007US	4x5	A6-6400B	8GBx1	1TB 7200	DVD±RW	None	None	HD 8570	None	None	Cable	None	Win7 P64 DG Win8	10/01/13
10BR0008US	4x5	A4-6300B	8GBx1	1TB 7200	DVD±RW	None	None	HD 8570	None	None	Cable	None	Win7 P64 DG Win8	10/01/13
10BR000AUS	4x5	A4-6300B	4GBx1	500G 7200	DVD±RW	None	None	HD 8370D	None	None	None	None	Win7 P64 DG Win8.1	04/08/14

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- 3-year limited warranty

Positioning Processor	Mainstream enterprise stability and manageability AMD APU A4-5300 (dual-core, 3.4GHz, 1MB L2 cache), Turbo Core (up to 3.6GHz), AMD Radeon™ HD 7480D Graphics, DDR3 memory controller (up to 1600MHz) AMD APU A4-6300B (dual-core, 3.7GHz, 1MB L2 cache), Turbo Core (up to 3.9GHz), AMD Radeon HD 8370D Graphics, DDR3 memory controller (up to 1600MHz) AMD APU A6-5400B (dual-core, 3.6GHz, 1MB L2 cache), Turbo Core (up to 3.8GHz), AMD Radeon HD 7540D Graphics, DDR3 memory controller (up to 1866MHz) AMD APU A6-6400B (dual-core, 3.9GHz, 1MB L2 cache), Turbo Core (up to 4.1GHz), AMD Radeon HD 8470D Graphics, DDR3 memory controller (up to 1866MHz) AMD APU A8-6500B (quad-core, 3.5GHz, 4MB L2 cache), Turbo Core (up to 4.1GHz), AMD Radeon HD 8570D Graphics, DDR3 memory controller (up to 1866MHz)		Preloaded operating system Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit	
Implementation	Processor in Socket FM2		Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager	
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets		Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Power Manager● View Management Utility● PC Device Stage● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Evernote®● Microsoft® Office preloaded; purchase a product key to activate● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Nitro Pro	
Graphics	AMD Radeon HD Graphics , integrated in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display, works along with optional discrete graphics to support up to four independent monitors; <i>Maximum resolution:</i> 1920x1200 (VGA)@60Hz; 2560x2048 (DisplayPort)@60Hz <i>Some:</i> AMD Radeon™ HD 8570 , DirectX 11, 3D Hardware Acceleration, 2GB, PCI Express 3.0 x16 adapter (8x elec), one VGA, one HDMI, 40 watts; <i>Max resolution:</i> 4096x2160 (HDMI)@24Hz; 2048x1536 (VGA)@85Hz			
DP cable	<i>Some:</i> DisplayPort to DisplayPort monitor cable			
Disk	SATA 6.0Gb/s 7200 rpm			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1			
Onboard SATA	Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar			
eSATA port	None			
Media reader	None			
Chipset	AMD A75 Chipset			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort, optional keyboard (PS/2), optional mouse (PS/2)			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)			
PCIe WLAN	None			
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB device)			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
Speaker	Internal speaker for business audio			
IEEE 1394	None			
Ethernet	One gigabit ethernet port, Realtek RTL8111E, Wake on LAN®			
Modem	None			
Security chip	Trusted Platform Module (TPM 1.2-compliant)			
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Power supply	280 watts, manual switch			
Machine	<ul style="list-style-type: none">● Business black color; metal case● 6.9" W X 17.4" D X 16.3" H● 175mm W X 442mm D X 414mm H● 27.5 lb (12.5 kg) in maximum configuration● Toolless cover removal, toolless adapter retention● Toolless disk, optical drive removal			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader* Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk* *bay only available on models with HDD/SSD/reader installed			
Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available			



See footnotes for important warranty information
US model(s) announced October 1, 2013 or April 8, 2014

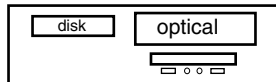
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ThinkCentre M78 Small (10BT) - 1-year onsite

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Chassis Intrusion switch	PS/2 port	2nd Serial	Floor stand	DP to Cable	Preload	Ann date (mm/dd/yy)
10BT0004US	4x3	A8-5500B	8GBx1	1TB 7200	DVD±RW	None	Media	HD 8570	None	None	Serial	Stand	Cable	Win7 Pro64 (DG)	10/01/13
10BT0005US	4x3	A4-5300	4GBx1	500G 7200	DVD±RW	None	None	HD 7480D	None	None	Serial	Stand	None	Win7 Pro64 (DG)	10/01/13
10BT0006US	4x3	A6-5400B	4GBx1	500G 7200	DVD±RW	N105	Media	HD 7540D	None	None	Serial	Stand	None	Win7 Pro64 (DG)	10/01/13

● 1-year limited warranty

Positioning	Mainstream enterprise stability and manageability		Preloaded operating system
Processor	AMD APU A4-5300 (dual-core, 3.4GHz, 1MB L2 cache), Turbo Core (up to 3.6GHz), AMD Radeon™ HD 7480D Graphics, DDR3 memory controller (up to 1600MHz) AMD APU A6-5400B (dual-core, 3.6GHz, 1MB L2 cache), Turbo Core (up to 3.8GHz), AMD Radeon HD 7540D Graphics, DDR3 memory controller (up to 1866MHz) AMD APU A8-5500B (quad-core, 3.2GHz, 4MB L2 cache), Turbo Core (up to 3.7GHz), AMD Radeon HD 7560D Graphics, DDR3 memory controller (up to 1866MHz)		
Implementation	Processor in Socket FM2		Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets		
Graphics	AMD Radeon HD Graphics , integrated in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display, works along with optional discrete graphics to support up to four independent monitors; <i>Maximum resolution:</i> 1920x1200 (VGA)@60Hz; 2560x2048 (DisplayPort)@60Hz <i>Some:</i> AMD Radeon™ HD 8570 , DirectX 11, 3D Hardware Acceleration, 2GB, PCI Express 3.0 x16 adapter (8x elec), one VGA, one HDMI, 40 watts; <i>Max resolution:</i> 4096x2160 (HDMI)@24Hz; 2048x1536 (VGA)@85Hz <i>Some:</i> DisplayPort to DisplayPort monitor cable		Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Power Manager• View Management Utility• PC Device Stage• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Evernote®• Microsoft® Office preloaded; purchase a product key to activate• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Nitro Pro
DP cable	<i>Some:</i> DisplayPort to DisplayPort monitor cable		
Disk	SATA 6.0Gb/s 7200 rpm		Security <ul style="list-style-type: none">• Security chip (see information on left)• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)• Cable lock• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Individual USB port disablement• Chassis intrusion switch on selected model(s)
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1		
Onboard SATA	Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar		
eSATA port	None		
Media reader	<i>Some:</i> 29-in-1 media reader, internal USB 2.0		
Chipset	AMD A75 Chipset		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort, optional keyboard (PS/2), optional mouse (PS/2)		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)		
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, Intel Centrino® Wireless-N 105, 1x1		
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB device)		
Audio	High Definition (HD) Audio, Realtek® ALC662 codec		
Speaker	Internal speaker for business audio		
IEEE 1394	None		
Ethernet	One gigabit ethernet port, Realtek RTL8111E, Wake on LAN®		
Modem	None		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Floor Stand	System floor stand for vertical orientation		
Power supply	240 watts, autosensing		
Machine	<ul style="list-style-type: none">• Business black color; metal case• 13.3" W X 15.0" D X 3.9" H• 339mm W X 381mm D X 100mm H• 16.5 lb (7.5 kg) in maximum configuration• Toolless cover flips up and tilts backward on rear hinges• Toolless disk and optical drive removal• Toolless adapter retention		
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 3.5", .5" high, access, opt reader		
Slot	Slot 1: Low Profile, PCI Express 2.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3		
			
Limited Warranty	1-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		

Preloaded operating system

Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit

Ready to install applications (only some listed)

- Rescue and Recovery™
- Password Manager

Preloaded applications (only some listed)

- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- ThinkVantage Power Manager
- View Management Utility
- PC Device Stage
- Lenovo Cloud Storage by SugarSync
- Lenovo Solution Center
- Lenovo Message Center Plus
- Norton™ Internet Security (30 days of virus definitions)
- Adobe® Reader®
- Skype™
- Evernote®
- Microsoft® Office preloaded; purchase a product key to activate
- Cyberlink Power2Go (DVD±RW)
- Cyberlink PowerProducer (DVD±RW)
- Nitro Pro

Security

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
- Cable lock
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Chassis intrusion switch on selected model(s)

RoHS-compliant

Supports ThinkVantage Technologies

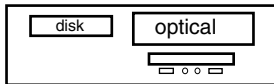
For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet

ThinkCentre M78 Small (10BT)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Chassis intrusion switch	PS/2 port	Floor stand	DP to DP Cable	Global	Preload	Ann date (mm/dd/yy)
10BT0000US	4x3	A4-5300B	4GBx1	500G 7200	DVD±RW	None	None	HD 7480D	Switch	None	Stand	None	None	Win7 Pro64	10/01/13
10BT0008US	4x3	A4-6300B	4GBx1	500G 7200	DVD±RW	None	None	HD 8370D	None	None	Stand	None	None	Win7 Pro64 (DG)	10/01/13
10BT0009US	4x3	A6-6400B	4GBx1	500G 7200	DVD±RW	None	None	HD 8470D	None	None	Stand	None	None	Win7 Pro64 (DG)	10/01/13
10BT000AUS	4x3	A8-6500B	4GBx1	500G 7200	DVD±RW	None	None	HD 8570D	None	None	Stand	None	None	Win7 Pro64 (DG)	10/01/13
10BT000BUS	4x3	A6-6400B	8GBx1	1TB 7200	DVD±RW	None	None	HD 8570	None	None	Stand	Cable	None	Win7 Pro64 (DG)	10/01/13
10BT000CUS	4x3	A8-6500B	8GBx1	1TB 7200	DVD±RW	None	None	HD 8570	None	None	Stand	Cable	None	Win7 Pro64 (DG)	10/01/13

●3-year limited warranty

Positioning Processor	Mainstream enterprise stability and manageability AMD APU A4-5300B (dual-core, 3.4GHz, 1MB L2 cache), Turbo Core (up to 3.6GHz), AMD Radeon™ HD 7480D Graphics, DDR3 memory controller (up to 1600MHz) AMD APU A4-6300B (dual-core, 3.7GHz, 1MB L2 cache), Turbo Core (up to 3.9GHz), AMD Radeon HD 8370D Graphics, DDR3 memory controller (up to 1600MHz) AMD APU A6-6400B (dual-core, 3.9GHz, 1MB L2 cache), Turbo Core (up to 4.1GHz), AMD Radeon HD 8470D Graphics, DDR3 memory controller (up to 1866MHz) AMD APU A8-6500B (quad-core, 3.5GHz, 4MB L2 cache), Turbo Core (up to 4.1GHz), AMD Radeon HD 8570D Graphics, DDR3 memory controller (up to 1866MHz) Processor in Socket FM2		Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Power Manager• View Management Utility• PC Device Stage• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Evernote®• Microsoft® Office preloaded; purchase a product key to activate• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Nitro Pro	
Implementation	Processor in Socket FM2			
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets			
Graphics	AMD Radeon HD Graphics , integrated in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display, works along with optional discrete graphics to support up to four independent monitors; <i>Maximum resolution:</i> 1920x1200 (VGA) @60Hz; 2560x2048 (DisplayPort) @60Hz <i>Some:</i> AMD Radeon™ HD 8570 , DirectX 11, 3D Hardware Acceleration, 2GB, PCI Express 3.0 x16 adapter (8x elec), one VGA, one HDMI, 40 watts; <i>Max resolution:</i> 4096x2160 (HDMI) @24Hz; 2048x1536 (VGA) @85Hz <i>Some:</i> DisplayPort to DisplayPort monitor cable			
DP cable	<i>Some:</i> DisplayPort to DisplayPort monitor cable			
Disk	SATA 6.0Gb/s 7200 rpm			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1			
Onboard SATA	Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar			
eSATA port	None			
Media reader	None			
Chipset	AMD A75 Chipset			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort, optional keyboard (PS/2), optional mouse (PS/2)			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)			
PCIe WLAN	None			
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB device)			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
Speaker	Internal speaker for business audio			
IEEE 1394	None			
Ethernet	One gigabit ethernet port, Realtek RTL8111E, Wake on LAN®			
Modem	None			
Security chip	Trusted Platform Module (TPM 1.2-compliant)			
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Floor Stand	System floor stand for vertical orientation			
Power supply	240 watts, autosensing			
Machine	<ul style="list-style-type: none">• Business black color; metal case• 13.3" W X 15.0" D X 3.9" H• 339mm W X 381mm D X 100mm H• 16.5 lb (7.5 kg) in maximum configuration• Toolless cover flips up and tilts backward on rear hinges• Toolless disk and optical drive removal• Toolless adapter retention			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 3.5", .5" high, access, opt reader			
Slot	Slot 1: Low Profile, PCI Express 2.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available			

See footnotes for important warranty information
US model(s) announced October 1, 2013

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ThinkCentre M78 Small (10BS) - ES 5.2

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Chassis Intrusion switch	PS/2 port	2nd Serial / Parallel	Floor stand	DP to DP Cable	Preload	Ann date (mm/dd/yy)
10BS0002US	4x3	A8-6500B	4GBx1	1TB 7200	DVD±RW	N2230	None	HD 8570	Switch	None	S P	Stand	Cable	Win8 Pro64	10/01/13

●3-year limited warranty

Positioning	Mainstream enterprise stability and manageability		<div>Preloaded operating system</div> <div>Windows® 8 Pro 64-bit</div> <div>Ready to install applications (only some listed)</div> <div><ul style="list-style-type: none">● Password Manager</div> <div>Preloaded applications (only some listed)</div> <div><ul style="list-style-type: none">● ThinkVantage® System Update● View Management Utility● Lenovo® Support● Lenovo Companion● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Desktop Power Manager● PC Device Stage● Microsoft® Office preloaded; purchase a product key to activate● Norton™ Internet Security (30 days of virus definitions)● PC Device Stage● Evernote®● Skype™● Cyberlink PowerDVD (DVD±RW, DVD)● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Nitro Pro● AccuWeather● Norton Studio</div>
Processor	AMD APU A8-6500B (quad-core, 3.5GHz, 4MB L2 cache), Turbo Core (up to 4.1GHz), AMD Radeon™ HD 8570D Graphics, DDR3 memory controller (up to 1866MHz)		
Implementation	Processor in Socket FM2		
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets		
Graphics	AMD Radeon HD Graphics , integrated in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display, works along with optional discrete graphics to support up to four independent monitors; <i>Maximum resolution:</i> 1920x1200 (VGA)@60Hz; 2560x2048 (DisplayPort)@60Hz <i>Some:</i> AMD Radeon™ HD 8570 , DirectX 11, 3D Hardware Acceleration, 2GB, PCI Express 3.0 x16 adapter (8x elec), one VGA, one HDMI, 40 watts; <i>Max resolution:</i> 4096x2160 (HDMI)@24Hz; 2048x1536 (VGA)@85Hz		
DP cable	<i>Some:</i> DisplayPort to DisplayPort monitor cable		
Disk	SATA 6.0Gb/s 7200 rpm		
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1		
Onboard SATA	Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar		
eSATA port	None		
Media reader	None		
Chipset	AMD A75 Chipset		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA DB-15, DisplayPort, optional keyboard (PS/2), optional mouse (PS/2)		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)		
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth 4.0 combo adapter, 2x2		
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB device)		
Audio	High Definition (HD) Audio, Realtek® ALC662 codec		
Speaker	Internal speaker for business audio		
IEEE 1394	None		
Ethernet	One gigabit ethernet port, Realtek RTL8111E, Wake on LAN®		
Modem	None		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Floor Stand	System floor stand for vertical orientation		
Power supply	240 watts, autosensing, 85% PSU		
Machine	<ul style="list-style-type: none">● Business black color; metal case● 13.3" W X 15.0" D X 3.9" H● 339mm W X 381mm D X 100mm H● 16.5 lb (7.5 kg) in maximum configuration● Toolless cover flips up and tilts backward on rear hinges● Toolless disk and optical drive removal● Toolless adapter retention		
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 3.5", .5" high, access, opt reader		
Slot	Slot 1: Low Profile, PCI Express 2.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3		
<div><div>disk</div><div>optical</div><div></div></div>			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		

See footnotes for important warranty information
US model(s) announced October 1, 2013

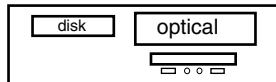
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ThinkCentre M78 Small (10BS) - ES 5.2 (GMP)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Chassis Intrusion switch	PS/2 port	Floor stand	DP to DP Cable	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10BS0005US	4x3	A8-5500B	4GBx1	1TB 7200	DVD±RW	N105	None	HD 8470	Switch	None	Stand	None	G P	Win7 Pro64 (DG)	10/01/13
10BS0006US	4x3	A6-5400B	4GBx1	500G 7200	DVD±RW	None	None	HD 7540D	Switch	None	Stand	None	G P	Win7 Pro64 (DG)	10/01/13
10BS0007US	4x3	A4-5300B	2GBx1	500G 7200	DVD	None	None	HD 7480D	Switch	None	Stand	None	G P	Win7 Pro64	10/01/13

•Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

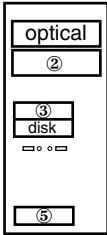
Positioning Processor	Mainstream enterprise stability and manageability AMD APU A4-5300B (dual-core, 3.4GHz, 1MB L2 cache), Turbo Core (up to 3.6GHz), AMD Radeon™ HD 7480D Graphics, DDR3 memory controller (up to 1600MHz) AMD APU A6-5400B (dual-core, 3.6GHz, 1MB L2 cache), Turbo Core (up to 3.8GHz), AMD Radeon HD 7540D Graphics, DDR3 memory controller (up to 1866MHz) AMD APU A8-5500B (quad-core, 3.2GHz, 4MB L2 cache), Turbo Core (up to 3.7GHz), AMD Radeon HD 7560D Graphics, DDR3 memory controller (up to 1866MHz) Processor in Socket FM2		Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit	
Implementation	Processor in Socket FM2		Ready to install applications (only some listed)	
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets		<ul style="list-style-type: none">• Rescue and Recovery™• Password Manager	
Graphics	AMD Radeon HD Graphics , integrated in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display, works along with optional discrete graphics to support up to four independent monitors; <i>Maximum resolution:</i> 1920x1200 (VGA)@60Hz; 2560x2048 (DisplayPort)@60Hz <i>Some:</i> AMD Radeon™ HD 8470 , DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one VGA, one DisplayPort, 25 watts, <i>Max resolution:</i> 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz		Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Power Manager• View Management Utility• PC Device Stage• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Evernote®• Microsoft® Office preloaded; purchase a product key to activate• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Nitro Pro	
DP cable	None			
Disk	SATA 6.0Gb/s 7200 rpm			
Optical	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s Drive <i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1			
Onboard SATA	Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar			
eSATA port	None			
Media reader	None			
Chipset	AMD A75 Chipset			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort, optional keyboard (PS/2), optional mouse (PS/2)			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)			
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, Intel Centrino® Wireless-N 105, 1x1			
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB device)			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
Speaker	Internal speaker for business audio			
IEEE 1394	None			
Ethernet	One gigabit ethernet port, Realtek RTL8111E, Wake on LAN®			
Modem	None			
Security chip	Trusted Platform Module (TPM 1.2-compliant)			
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Floor Stand	System floor stand for vertical orientation			
Power supply	240 watts, autosensing, 85% PSU			
Machine	<ul style="list-style-type: none">• Business black color; metal case• 13.3" W X 15.0" D X 3.9" H• 339mm W X 381mm D X 100mm H• 16.5 lb (7.5 kg) in maximum configuration• Toolless cover flips up and tilts backward on rear hinges• Toolless disk and optical drive removal• Toolless adapter retention			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 3.5", .5" high, access, opt reader			
Slot	Slot 1: Low Profile, PCI Express 2.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3			
Limited Warranty	3-years, limited onsite service. 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		Security <ul style="list-style-type: none">• Security chip (see information on left)• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)• Cable lock• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Individual USB port disablement• Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR 5.2-compliant ULE Gold RoHS-compliant Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet	

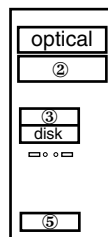
See footnotes for important warranty information
US model(s) announced October 1, 2013

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Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Chassis intrusion switch	PS/2 port	DP to DP Cable	Global	Preload	Ann date (mm/dd/yy)
10BQ0000US	4x5	A4-5300B	4Gx1+2Gx3	500G Hybrid	DVD±RW	None	None	HD 7480D	Switch	None	None	None	Win7 Pro64	10/01/13
10BQ0004US	4x5	A4-5300	4GBx1	500G 7200	DVD±RW	None	None	HD 7540D	None	None	None	None	Win7 Pro64 (DG)	10/01/13
10BQ0005US	4x5	A6-5400B	4GBx1	500G 7200	DVD±RW	None	None	HD 7540D	None	None	None	None	Win7 Pro64 (DG)	10/01/13
10BQ0006US	4x5	A8-5500B	8GBx1	1TB 7200	DVD±RW	None	None	HD 8570	None	None	None	None	Win7 Pro64 (DG)	10/01/13
10BQ0008US	4x5	A4-6300B	4GBx1	500G 7200	DVD±RW	None	None	HD 8370D	None	None	None	None	Win7 Pro64 (DG)	10/01/13
10BQ0009US	4x5	A6-6400B	4GBx1	500G 7200	DVD±RW	None	None	HD 8470D	None	None	None	None	Win7 Pro64 (DG)	10/01/13

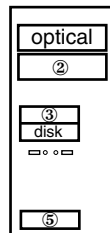
●3-year limited warranty

Positioning Processor	Mainstream enterprise stability and manageability AMD APU A4-5300 (dual-core, 3.4GHz, 1MB L2 cache), Turbo Core (up to 3.6GHz), AMD Radeon™ HD 7480D Graphics, DDR3 memory controller (up to 1600MHz) AMD APU A4-5300B (dual-core, 3.4GHz, 1MB L2 cache), Turbo Core (up to 3.6GHz), AMD Radeon HD 7480D Graphics, DDR3 memory controller (up to 1600MHz) AMD APU A4-6300B (dual-core, 3.7GHz, 1MB L2 cache), Turbo Core (up to 3.9GHz), AMD Radeon HD 8370D Graphics, DDR3 memory controller (up to 1600MHz) AMD APU A6-5400B (dual-core, 3.6GHz, 1MB L2 cache), Turbo Core (up to 3.8GHz), AMD Radeon HD 7540D Graphics, DDR3 memory controller (up to 1866MHz) AMD APU A6-6400B (dual-core, 3.9GHz, 1MB L2 cache), Turbo Core (up to 4.1GHz), AMD Radeon HD 8470D Graphics, DDR3 memory controller (up to 1866MHz) AMD APU A8-5500B (quad-core, 3.2GHz, 4MB L2 cache), Turbo Core (up to 3.7GHz), AMD Radeon HD 7560D Graphics, DDR3 memory controller (up to 1866MHz)		Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit	
Implementation	Processor in Socket FM2		Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager	
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets		Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Power Manager● View Management Utility● PC Device Stage● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Evernote®● Microsoft® Office preloaded; purchase a product key to activate● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Nitro Pro	
Graphics	AMD Radeon HD Graphics , integrated in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display, works along with optional discrete graphics to support up to four independent monitors; <i>Maximum resolution:</i> 1920x1200 (VGA) @60Hz; 2560x2048 (DisplayPort) @60Hz <i>Some:</i> AMD Radeon™ HD 8570 , DirectX 11, 3D Hardware Acceleration, 2GB, PCI Express 3.0 x16 adapter (8x elec), one VGA, one HDMI, 40 watts; <i>Max resolution:</i> 4096x2160 (HDMI) @24Hz; 2048x1536 (VGA) @85Hz			
DP cable	None			
Disk	<i>Some:</i> SATA 6.0Gb/s 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1			
Onboard SATA	Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar			
eSATA port	None			
Media reader	None			
Chipset	AMD A75 Chipset			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort, optional keyboard (PS/2), optional mouse (PS/2)			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)			
PCIe WLAN	None			
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB device)			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
Speaker	Internal speaker for business audio			
IEEE 1394	None			
Ethernet	One gigabit ethernet port, Realtek RTL8111E, Wake on LAN®			
Modem	None			
Security chip	Trusted Platform Module (TPM 1.2-compliant)			
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Power supply	280 watts, manual switch			
Machine	<ul style="list-style-type: none">● Business black color; metal case● 6.9" W X 17.4" D X 16.3" H● 175mm W X 442mm D X 414mm H● 27.5 lb (12.5 kg) in maximum configuration● Toolless cover removal, toolless adapter retention● Toolless disk, optical drive removal			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader* Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk* *bay only available on models with HDD/SSD/reader installed			
Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		Security <ul style="list-style-type: none">● Security chip (see information on left)● One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)● Cable lock● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● Individual USB port disablement● Chassis intrusion switch on selected model(s)	
			RoHS-compliant	
			Supports ThinkVantage Technologies	
			For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet	



Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Chassis intrusion switch	PS/2 port	DP to DP Cable	Global	Preload	Ann date (mm/dd/yy)
10BQ000AUS	4x5	A8-6500B	4GBx1	500G 7200	DVD±RW	None	None	HD 8570D	None	None	None	None	Win7 Pro64 (DG)	10/01/13
10BQ000BUS	4x5	A8-6500B	8GBx1	1TB 7200	DVD±RW	None	None	HD 8570	None	None	Cable	None	Win7 Pro64 (DG)	10/01/13
10BQ000CUS	4x5	A4-6300B	8GBx1	1TB 7200	DVD±RW	None	None	HD 8570	None	None	Cable	None	Win7 Pro64 (DG)	10/01/13
10BQ000DUS	4x5	A6-6400B	8GBx1	1TB 7200	DVD±RW	None	None	HD 8570	None	None	Cable	None	Win7 Pro64 (DG)	10/01/13

• 3-year limited warranty

Positioning Processor	<i>Mainstream enterprise stability and manageability</i> AMD APU A4-6300B (dual-core, 3.7GHz, 1MB L2 cache), Turbo Core (up to 3.9GHz), AMD Radeon™ HD 8370D Graphics, DDR3 memory controller (up to 1600MHz) AMD APU A6-6400B (dual-core, 3.9GHz, 1MB L2 cache), Turbo Core (up to 4.1GHz), AMD Radeon HD 8470D Graphics, DDR3 memory controller (up to 1866MHz) AMD APU A8-6500B (quad-core, 3.5GHz, 4MB L2 cache), Turbo Core (up to 4.1GHz), AMD Radeon HD 8570D Graphics, DDR3 memory controller (up to 1866MHz) Processor in Socket FM2		Preloaded operating system Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Power Manager• View Management Utility• PC Device Stage• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Evernote®• Microsoft® Office preloaded; purchase a product key to activate• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Nitro Pro	
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets			
Graphics	AMD Radeon HD Graphics , integrated in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display, works along with optional discrete graphics to support up to four independent monitors; <i>Maximum resolution:</i> 1920x1200 (VGA)@60Hz; 2560x2048 (DisplayPort)@60Hz <i>Some:</i> AMD Radeon™ HD 8570 , DirectX 11, 3D Hardware Acceleration, 2GB, PCI Express 3.0 x16 adapter (8x elec), one VGA, one HDMI, 40 watts; <i>Max resolution:</i> 4096x2160 (HDMI)@24Hz; 2048x1536 (VGA)@85Hz <i>Some:</i> DisplayPort to DisplayPort monitor cable			
DP cable	<i>Some:</i> DisplayPort to DisplayPort monitor cable			
Disk	<i>Some:</i> SATA 6.0Gb/s 7200 rpm			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1			
Onboard SATA	Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar			
eSATA port	None			
Media reader	None			
Chipset	AMD A75 Chipset			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort, optional keyboard (PS/2), optional mouse (PS/2)			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)			
PCIe WLAN	None			
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB device)			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
Speaker	Internal speaker for business audio			
IEEE 1394	None			
Ethernet	One gigabit ethernet port, Realtek RTL8111E, Wake on LAN®			
Modem	None			
Security chip	Trusted Platform Module (TPM 1.2-compliant)			
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Power supply	280 watts, manual switch			
Machine	<ul style="list-style-type: none">• Business black color; metal case• 6.9" W X 17.4" D X 16.3" H• 175mm W X 442mm D X 414mm H• 27.5 lb (12.5 kg) in maximum configuration• Toolless cover removal, toolless adapter retention• Toolless disk, optical drive removal		Security <ul style="list-style-type: none">• Security chip (see information on left)• One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)• Cable lock• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Individual USB port disablement• Chassis intrusion switch on selected model(s)	
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader* Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk* *bay only available on models with HDD/SSD/reader installed			
Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		RoHS-compliant Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet	

ThinkCentre M78 Tower (10BN) - ES 5.2 (Windows 8)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory*	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Chassis intrusion switch	PS/2 port	2nd Serial / Parallel	DP to DP Cable	DP to DVI Dongle	Preload	Ann date (mm/dd/yy)
10BN0001US	4x5	A8-5500B	4Gx1+2Gx3	1TB 7200	DVD±RW	N2230	None	HD 8470	Switch	None	S P	Cable	Dongle	Win8 Pro64	10/01/13

●3-year limited warranty

Positioning	Mainstream enterprise stability and manageability										Preloaded operating system									
Processor	AMD APU A8-5500B (quad-core, 3.2GHz, 4MB L2 cache), Turbo Core (up to 3.7GHz), AMD Radeon™ HD 7560D Graphics, DDR3 memory controller (up to 1866MHz) Processor in Socket FM2										Windows® 8 Pro 64-bit									
Implementation											Ready to install applications (only some listed)									
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets										• Password Manager									
Graphics	AMD Radeon HD Graphics, integrated in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display, works along with optional discrete graphics to support up to four independent monitors; Maximum resolution: 1920x1200 (VGA) @60Hz; 2560x2048 (DisplayPort) @60Hz Some: AMD Radeon™ HD 8470, DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one VGA, one DisplayPort, 25 watts, Max resolution: 2560x1600 (DisplayPort) @60Hz; 2048x1536 (VGA) @85Hz										Preloaded applications (only some listed)									
DP cable	Some: DisplayPort to DisplayPort monitor cable										<div>• ThinkVantage® System Update</div> <div>• View Management Utility</div> <div>• Lenovo® Support</div> <div>• Lenovo Companion</div> <div>• Lenovo Cloud Storage by SugarSync</div> <div>• Lenovo Solution Center</div> <div>• Desktop Power Manager</div> <div>• PC Device Stage</div> <div>• Microsoft® Office preloaded; purchase a product key to activate</div> <div>• Norton™ Internet Security (30 days of virus definitions)</div> <div>• PC Device Stage</div> <div>• Evernote®</div> <div>• Skype™</div> <div>• Cyberlink PowerDVD (DVD±RW, DVD)</div> <div>• Cyberlink Power2Go (DVD±RW)</div> <div>• Cyberlink PowerProducer (DVD±RW)</div> <div>• Nitro Pro</div> <div>• AccuWeather</div> <div>• Norton Studio</div>									
DP dongle	Some: DisplayPort to DVI-D cable																			
Disk	Some: SATA 6.0Gb/s 7200 rpm																			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive																			
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1																			
Onboard SATA	Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar																			
eSATA port	None																			
Media reader	None																			
Chipset	AMD A75 Chipset																			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)																			
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA DB-15, DisplayPort, optional keyboard (PS/2), optional mouse (PS/2)																			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)																			
PCIe WLAN	Some: 11b/g/n wireless, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth 4.0 combo adapter, 2x2																			
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB device)																			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec																			
Speaker	Internal speaker for business audio																			
IEEE 1394	None																			
Ethernet	One gigabit ethernet port, Realtek RTL8111E, Wake on LAN®																			
Modem	None																			
Security chip	Trusted Platform Module (TPM 1.2-compliant)																			
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo																			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo																			
Power supply	280 watts, autosensing, 85% PSU																			
Machine	<div>• Business black color; metal case</div> <div>• 6.9" W X 17.4" D X 16.3" H</div> <div>• 175mm W X 442mm D X 414mm H</div> <div>• 27.5 lb (12.5 kg) in maximum configuration</div> <div>• Toolless cover removal, toolless adapter retention</div> <div>• Toolless disk, optical drive removal</div>															<div><div>optical</div><div>②</div><div>③</div><div>disk</div><div>□ □ □ □</div><div>⑤</div></div>				
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader* Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk* *bay only available on models with HDD/SSD/reader installed																			
Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3																			
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available																			
Security																				
<div>• Security chip (see information on left)</div> <div>• One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable)</div> <div>• Cable lock</div> <div>• Power-on password</div> <div>• Administrator password</div> <div>• Hard disk password</div> <div>• Boot sequence control</div> <div>• Boot without keyboard and mouse</div> <div>• Individual USB port disablement</div> <div>• Chassis intrusion switch on selected model(s)</div>																				
EPEAT™ Gold rating ENERGY STAR 5.2-compliant ULE Gold RoHS-compliant																				
Supports ThinkVantage Technologies																				
For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet																				

See footnotes for important warranty information
US model(s) announced October 1, 2013

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(ADR1T-4) October 2013

ThinkCentre M78 Tower (10BN) - ES 5.2 (GMP)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ⁸	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Chassis intrusion switch	PS/2 port	DP to DP Cable	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10BN0005US	4x5	A4-5300B	2GBx1	500G 7200	DVD	None	None	HD 7480D	Switch	None	None	G P	Win7 Pro64	10/01/13
10BN0006US	4x5	A8-5500B	4GBx1	1TB 7200	DVD±RW	N105	None	HD 8470	Switch	None	None	G P	Win7 Pro64 (DG)	10/01/13
10BN0007US	4x5	A6-5400B	4GBx1	500G 7200	DVD±RW	None	None	HD 7540D	Switch	None	None	G P	Win7 Pro64 (DG)	10/01/13

●Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning	Mainstream enterprise stability and manageability		Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
Processor	AMD APU A4-5300B (dual-core, 3.4GHz, 1MB L2 cache), Turbo Core (up to 3.6GHz), AMD Radeon™ HD 7480D Graphics, DDR3 memory controller (up to 1600MHz) AMD APU A6-5400B (dual-core, 3.6GHz, 1MB L2 cache), Turbo Core (up to 3.8GHz), AMD Radeon HD 7540D Graphics, DDR3 memory controller (up to 1866MHz) AMD APU A8-5500B (quad-core, 3.2GHz, 4MB L2 cache), Turbo Core (up to 3.7GHz), AMD Radeon HD 7560D Graphics, DDR3 memory controller (up to 1866MHz) Processor in Socket FM2		
Implementation	Processor in Socket FM2		Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Power Manager• View Management Utility• PC Device Stage• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Evernote®• Microsoft® Office preloaded; purchase a product key to activate• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Nitro Pro
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets		
Graphics	AMD Radeon HD Graphics , integrated in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display, works along with optional discrete graphics to support up to four independent monitors; <i>Maximum resolution:</i> 1920x1200 (VGA) @60Hz; 2560x2048 (DisplayPort) @60Hz <i>Some:</i> AMD Radeon™ HD 8470 , DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one VGA, one DisplayPort, 25 watts, <i>Max resolution:</i> 2560x1600 (DisplayPort) @60Hz; 2048x1536 (VGA) @85Hz		
DP cable	None		
Disk	<i>Some:</i> SATA 6.0Gb/s 7200 rpm		
Optical	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s Drive <i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1		
Onboard SATA	Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar		
eSATA port	None		
Media reader	None		
Chipset	AMD A75 Chipset		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort, optional keyboard (PS/2), optional mouse (PS/2)		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)		
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, Intel Centrino® Wireless-N 105, 1x1		
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB device)		
Audio	High Definition (HD) Audio, Realtek® ALC662 codec		
Speaker	Internal speaker for business audio		
IEEE 1394	None		
Ethernet	One gigabit ethernet port, Realtek RTL8111E, Wake on LAN®		
Modem	None		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	280 watts, autosensing, 85% PSU		
Machine	<ul style="list-style-type: none">• Business black color; metal case• 6.9" W X 17.4" D X 16.3" H• 175mm W X 442mm D X 414mm H• 27.5 lb (12.5 kg) in maximum configuration• Toolless cover removal, toolless adapter retention• Toolless disk, optical drive removal		
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader* Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk* *bay only available on models with HDD/SSD/reader installed		
Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		



Security

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
 - Padlock loop (in rear for opt padlock)
 - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Cable lock
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Chassis intrusion switch on selected model(s)

EPEAT™ Gold rating
ENERGY STAR 5.2-compliant
ULE Gold
RoHS-compliant
Supports ThinkVantage Technologies

For compatible accessories, please go to TC-AQP sheet;
For Lenovo service upgrade options, please go to S-TC sheet

See footnotes for important warranty information
US model(s) announced October 1, 2013

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(ADR1T-5) October 2013

Memory

2GB PC3-12800 DDR3 UDIMM	0A65728	ann	06/05/12
4GB PC3-12800 DDR3 UDIMM	0A65729	ann	06/05/12
8GB PC3-12800 DDR3 UDIMM	0A65730	ann	06/05/12

More information at

www.lenovo.com/support/desktopmemorycompatibility

Optical

Lenovo® Super Multi-Burner SATA Drive	0A65618	ann	08/23/11
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Storage and removable storage

500GB SATA 3.0Gb/s Disk (7200 rpm)	43R1990	ann	11/06/07
1TB SATA 3.0Gb/s Disk (7200 rpm)	45J7918	ann	08/19/08

USB 2.0 Portable 500GB Hard Disk	45K1690	ann	05/26/09
USB 3.0 Secure 500GB Hard Drive	0A65619	ann	11/29/11
USB 3.0 Secure 750GB Hard Drive	0A65616	ann	11/29/11
USB 3.0 Secure 1TB Hard Drive	0A65621	ann	08/28/12
Slim USB Portable DVD Burner	0A33988	ann	06/14/11

Graphics

Small 5100/4865/2113/2114 support Low Profile:

NVIDIA NVS 510 2GB Graphics Card by Lenovo ⁶⁷	0B47077	ann	01/29/13
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Tower 2111/1766/1562/1565 support 75 watts max:

NVIDIA NVS 510 2GB Graphics Card by Lenovo ⁶⁷	0B47077	ann	01/29/13
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⁶⁷ Simultaneously use the graphic card monitor ports along with the systems integrated monitor ports when Multi-Monitor Support is enabled in BIOS Setup.

More information at www.lenovo.com/support/graphiccards

Keyboard

Preferred Pro USB Keyboard	73P5220	ann	06/21/05
Enhanced Performance USB Keyboard	73P2620	ann	03/23/04
Ultralim Plus Wireless Keyboard and Mouse ⁵²	0A34032	ann	04/05/11
ThinkPad® USB Keyboard with TrackPoint	55Y9003	ann	08/18/09
Lenovo USB Fingerprint Keyboard	73P4730	ann	02/22/05
Lenovo USB Smartcard Keyboard	51J0155	ann	03/24/09

⁵² Wireless via 2.4GHz technology using a micro-size USB receiver.

More information at www.lenovo.com/support/keyboards

Mouse

Lenovo Optical Mouse (USB)	06P4069	ann	05/21/03
Lenovo ScrollPoint® Mouse(USB, Optical)	31P7405	ann	08/27/02
ThinkPad Travel Mouse (USB, Optical)	31P7410	ann	06/04/02
Lenovo Laser Mouse (USB)	41U3074	ann	01/23/07
Lenovo Wireless Laser Mouse ⁶²	0A36188	ann	12/20/11
ThinkPad USB Laser Mouse	57Y4635	ann	12/15/09

More information at www.lenovo.com/support/mice

Modem

USB 2.0 Lenovo Modem	43R1814	ann	02/26/08
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Multimedia

ThinkPad In-Ear Headphones with mic ⁶⁰	57Y4488	ann	01/07/10
Lenovo Mini Speakers M220	55Y2033	ann	01/07/10
Lenovo Speakers M0520 (black)	57Y6360	ann	02/08/11
Lenovo Speakers M0520 (red)	57Y6361	ann	02/08/11
Lenovo Headset P550	55Y2065		
Lenovo Headset P950 (black)	57Y6605	ann	02/08/11

⁶⁰ Has a 1.2 meter (3.9-foot) cable. Best when systems are in close proximity. Example: SFF placed on a desk.

Security

Kensington® MicroSaver® Cable Lock ⁵⁶	73P2582	ann	12/29/03
Kensington Twin Head Cable Lock ⁵⁶	45K1620	ann	09/30/08
Lenovo Security Cable Lock ⁵⁶	57Y4303	ann	08/24/10
USB Gemplus GemPC Smart Card Reader	41N3040	ann	02/21/06

⁵⁶ Attaching to any form factor not only secures the ThinkCentre to the work area, but it also prevents users from opening the chassis itself.

Monitors

ThinkVision LT1952p Wide 19" (VGA, DP, DVI-D) ⁶⁹	2448MB6	ann	09/13/11
ThinkVision L2251x Wide 22" (VGA, DP)	2578HB6	ann	10/20/09
ThinkVision LT2323p Wide 23" (VGA, DP, DVI-D) ⁶⁹	3024HC1	ann	05/01/12

⁶⁹ DisplayPort cable is not included; use optional DisplayPort to DisplayPort Monitor Cable (0A36537).

More information at www.lenovo.com/support/monitors

Monitor Accessories⁴⁶

DisplayPort™ to Single-link DVI-D Cable	45J7915	ann	08/05/08
DisplayPort to VGA Monitor Cable	57Y4393	ann	08/04/09
DisplayPort to DisplayPort Monitor Cable	0A36537	ann	09/13/11
Lenovo USB Soundbar	0A36190	ann	05/01/12
Kensington MicroSaver Cable Lock ⁵⁶	73P2582	ann	12/29/03
Kensington Twin Head Cable Lock ⁵⁶	45K1620	ann	09/30/08
Lenovo Security Cable Lock ⁵⁶	57Y4303	ann	08/24/10
ThinkCentre Extend Arm	57Y4352	ann	07/06/10

⁴⁶ Compatible on selected Lenovo and ThinkVision monitors.

More information at www.lenovo.com/support/monitoraccessories

For more information on accessories:

www.lenovo.com/accessories

Purchase Lenovo accessories

www.lenovo.com/support/accessories

Product specifications on Lenovo Support

www.lenovo.com/accessoriesguide

Option Compatibility Matrix (OCM) and accessory brochures

www.lenovoquickpick.com

An Options Compatibility Configurator for Lenovo systems



ThinkCentre M79
SFF and Tower



ThinkCentre M79 SFF with
optional monitor



ThinkCentre M79 Tower with
optional monitor



ThinkCentre M79 SFF
front and back view



ThinkCentre M79 Tower
front and back view



ThinkCentre M79 SFF
inside view

ThinkCentre M79 SFF Platform Specifications

Product Specifications Reference (PSREF)

Processor	AMD A4, A6, A8, or A10 series APUs						Keyboard	Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo Some: Lenovo USB Fingerprint Keyboard (USB connector) Some: Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black Some: Enhanced Optical USB Mouse, black, Lenovo logo Some: Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black	
	APU	Cores	Frequency (Max/Base)	L2 Cache	Memory Types	Integrated Graphics	Mouse		
	A4-6300B	2	3.9 / 3.7	1MB	DDR3-1600	HD 8370D			
	A6-6400B	2	4.1 / 3.9	1MB	DDR3-1866	HD 8470D			
	A8-6500B	4	4.1 / 3.5	4MB	DDR3-1866	HD 8570D			
	A6 PRO-7400B	2	3.9 / 3.5	1MB	DDR3-1866	Radeon R5 Series			
	A8 PRO-7600B	4	3.8 / 3.1	4MB	DDR3-2133	Radeon R7 Series			
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets						Mechanical	<ul style="list-style-type: none">Business black color; metal case, 11L13.2" W X 15.0" D X 3.9" H335mm W X 382mm D X 101mm H14.6 lb (6.6 kg) in maximum configurationBay 1: N/A, N/A, internal, opt SSDBay 2: 5.25", 1.6" high, external, std diskBay 3: N/A, N/A, external, opt readerBay 4: 3.5", 1" high, internal, std disk*bay only available on models with HDD/SSD/reader installedSlot 1: Low Profile, PCI Express 3.0 x16 (40w max)Slot 2: Low Profile, PCIe 2.0 x1Slot 2: Low Profile, PCIe 2.0 x1Slot 4: Low Profile, 32-bit PCI 2.3 Optional system floor stand for vertical orientation	
Disk	Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm Some: 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide Some: 1TB (7200 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 3.5" wide						Floor Stand		
Optical	Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide Some: DVD-ROM SATA 1.5Gb/s Drive Some: Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive						Power supply	Some: 180 watts, autosensing, 100-240V (50-60Hz) Some: 240 watts, autosensing, 100-240V (50-60Hz) Some: 240 watts, autosensing, 85% PSU, 100-240V (50-60Hz)	
Onboard SATA Media reader	SATA 6.0Gb/s controller, three connectors on planar, RAID 0/1 support Optional 7-in-1 single slot media card reader						Limited warranty ³	Some: 3-years, limited onsite service / service upgrades available Some: 3-years, limited onsite service, IWS (International Warranty Service ⁹) / service upgrades available For Lenovo service upgrade options, please go to S-TC sheet	
Graphics	AMD Radeon™ Graphics in processor, uses main memory, one VGA, one DisplayPort™, one optional DP, supports up to three independent displays, works along with optional discrete graphics to support up to five independent displays; Maximum resolution: 1920x1200 (VGA)@60Hz; 2560x2048 (DisplayPort)@60Hz Some: AMD Radeon HD 8570 , DirectX 11, 3D Hardware Acceleration, 2GB, PCI Express 3.0 x16 adapter (8x elec), one VGA, one HDMI, 40W; Max resolution: 4096x2160 (HDMI)@24Hz; 2048x1536 (VGA)@85Hz Some: NVIDIA® GeForce® GT 620 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz Some: AMD Radeon™ HD 7450 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 25 watts; Max resolution: 2560x1600 (DisplayPort, DVI-I)@60Hz						Preload	Some: Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Some: Windows 7 Professional 32 Some: Windows 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">Rescue and Recovery™Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">ThinkVantage® Product RecoveryThinkVantage System UpdateThinkVantage Communication UtilityThinkVantage Device ExperienceDesktop Power ManagerView Management UtilityLenovo Solution CenterLenovo Message Center PlusNorton™ Internet Security (30 days of virus definitions)Adobe® Reader®Skype™Microsoft Office preloaded; purchase a product key to activateCyberlink Power2Go (DVD±RW)Cyberlink PowerProducer (DVD±RW)Evernote®Nitro Pro	
DP cable	Optional DisplayPort to DVI-D monitor cable							Some: Windows 8.1 64-bit Some: Windows 8.1 Pro 64-bit Web install applications (only some listed) <ul style="list-style-type: none">Password ManagerPreloaded applications (only some listed)ThinkVantage System UpdateDesktop Power ManagerLenovo Solution CenterLenovo SupportLenovo CompanionLenovo SHAREitNorton Internet Security (30 days of virus definitions)Skype™Microsoft Office preloaded; purchase a product key to activateCyberlink PowerDVD (DVD±RW, DVD)Cyberlink Power2Go (DVD±RW)Cyberlink PowerProducer (DVD±RW)Evernote®Nitro ProAccuWeatherNorton™ StudioPokkiHightail	
Chipset	AMD A78 Chipset						Environment	ENERGY STAR® 6.0 (Need 85% PSU and Windows OS); EPEAT™ Gold rating (Need 85% PSU and Windows OS); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)						Accessories	For compatible accessories, please go to TC-AQP sheet	
Rear ports	Up to six USB ports (2x USB 3.0 + 2x USB 2.0 + 2x optional USB 2.0), serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA, DisplayPort (1x standard + 1x optional), two PS/2 ports								
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)								
IEEE 1394	Optional FireWire PCIe adapter, 1394a-2000, 400Mbps, two 6-pin ports on rear								
Audio support	High Definition (HD) Audio, Realtek ALC662 / internal speakers (1watt x 2)								
WLAN ¹³	Some: 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8723BE, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1 Some: 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8192EE, Wi-Fi + Bluetooth 4.0 combo adapter, 2x2 Some: 11ac/b/g/n wireless, PCIe Half Mini Card, Broadcom BCM4352, dual band (2.4/5GHz), Wi-Fi + Bluetooth 4.0 combo adapter, 2x2								
Bluetooth™	Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								
Ethernet	One gigabit ethernet port, Realtek 8111EPV, Wake on LAN®								
Modem	None								
Manageability	Enhanced Manageability with DASH 1.1								
Security chip	Trusted Platform Module, TCG 1.2-compliant								
Security features	<ul style="list-style-type: none">Padlock loop (in rear for opt padlock)Security slot (in rear for optional Kensington® MicroSaver® cable)Cable lock to physically lock both keyboard and mouse (optional)Power-on passwordAdministrator passwordHard disk passwordBoot sequence controlBoot without keyboard and mouseIndividual USB port disablementOptional Chassis intrusion switch								

See footnotes for more detailed information

ThinkCentre M79 Tower Platform Specifications

Product Specifications Reference (PSREF)

Processor	AMD A4, A6, A8, or A10 series APUs						Keyboard	Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo Some: Lenovo USB Fingerprint Keyboard (USB connector) Some: Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black Some: Enhanced Optical USB Mouse, black, Lenovo logo Some: Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black	
	APU	Cores	Frequency (Max/Base)	L2 Cache	Memory Types	Integrated Graphics	Mouse		
	A4-6300B	2	3.9 / 3.7	1MB	DDR3-1600	HD 8370D	Mechanical	● Business black color; metal case, 20L ● 6.3" W X 16.6" D X 15.3" H (with handle) ● 160mm W X 422mm D X 388mm H ● 20.7 lb (9.4 kg) in maximum configuration Bay 1: 5.25", 1.6" high, access, std optical Bay 2: N/A, N/A, access, opt reader Bay 3: 3.5", 1" high, no access, std disk Bay 4: 3.5", 1" high, no access, opt disk *bay only available on models with HDD/SSD/reader installed Slot 1: half-length, full-height, PCIe 3.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1 Slot 4: half-length, full-height, 32-bit PCI 2.3	
	A6-6400B	2	4.1 / 3.9	1MB	DDR3-1866	HD 8470D			
	A8-6500B	4	4.1 / 3.5	4MB	DDR3-1866	HD 8570D			
	A6 PRO-7400B	2	3.9 / 3.5	1MB	DDR3-1866	Radeon R5 Series			
	A8 PRO-7600B	4	3.8 / 3.1	4MB	DDR3-2133	Radeon R7 Series			
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets						Power supply	Some: 180 watts, autosensing, 100-240V (50-60Hz) Some: 280 watts, autosensing, 100-240V (50-60Hz) Some: 280 watts, autosensing, 85% PSU, 100-240V (50-60Hz)	
Disk	Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm Some: 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide Some: 1TB (7200 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 3.5" wide						Limited warranty ³	Some: 3-years, limited onsite service / service upgrades available Some: 3-years, limited onsite service, IWS (International Warranty Service ⁹) / service upgrades available For Lenovo service upgrade options, please go to S-TC sheet	
Optical	Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide Some: DVD-ROM SATA 1.5Gb/s Drive Some: Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive						Preload	Some: Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Some: Windows 7 Professional 32 Some: Windows 7 Professional 64 Ready to install applications (only some listed) ● Rescue and Recovery™ ● Password Manager Preloaded applications (only some listed) ● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Communication Utility ● ThinkVantage Device Experience ● Desktop Power Manager ● View Management Utility ● Lenovo Solution Center ● Lenovo Message Center Plus ● Norton™ Internet Security (30 days of virus definitions) ● Adobe® Reader® ● Skype™ ● Microsoft Office preloaded; purchase a product key to activate ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Evernote® ● Nitro Pro	
Onboard SATA Media reader	SATA 6.0Gb/s controller, three connectors on planar, RAID 0/1 support Optional 7-in-1 single slot media card reader							Some: Windows 8.1 64-bit Some: Windows 8.1 Pro 64-bit Web install applications (only some listed) Preloaded applications (only some listed) ● Password Manager ● ThinkVantage System Update ● Desktop Power Manager ● Lenovo Solution Center ● Lenovo Support ● Lenovo Companion ● Lenovo SHAREit ● Norton Internet Security (30 days of virus definitions) ● Skype™ ● Microsoft Office preloaded; purchase a product key to activate ● Cyberlink PowerDVD (DVD±RW, DVD) ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Evernote® ● Nitro Pro ● AccuWeather ● Norton™ Studio ● Pokki ● Hightail	
Graphics	AMD Radeon™ Graphics in processor, uses main memory, one VGA, one DisplayPort™, one optional DP, supports up to three independent displays, works along with optional discrete graphics to support up to five independent displays; Maximum resolution: 1920x1200 (VGA)@60Hz; 2560x2048 (DisplayPort)@60Hz Some: AMD Radeon HD 8570 , DirectX 11, 3D Hardware Acceleration, 2GB, PCI Express 3.0 x16 adapter (8x elec), one VGA, one HDMI, 40W; Max resolution: 4096x2160 (HDMI)@24Hz; 2048x1536 (VGA)@85Hz Some: NVIDIA® GeForce® GT 620 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz Some: AMD Radeon™ HD 7450 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 25 watts; Max resolution: 2560x1600 (DisplayPort, DVI-I)@60Hz								
DP cable	Optional DisplayPort to DVI-D monitor cable								
Chipset	AMD A78 FCH								
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)								
Rear ports	Up to six USB ports (2x USB 3.0 + 2x USB 2.0 + 2x optional USB 2.0), serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA, DisplayPort (1x standard + 1x optional), two PS/2 ports								
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)								
IEEE 1394	Optional FireWire PCIe adapter, 1394a-2000, 400Mbps, two 6-pin ports on rear								
Audio support	High Definition (HD) Audio, Realtek ALC662 / internal speakers (1.5watt x 2)								
WLAN ¹³	Some: 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8723BE, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1 Some: 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8192EE, Wi-Fi + Bluetooth 4.0 combo adapter, 2x2 Some: 11ac/b/g/n wireless, PCIe Half Mini Card, Broadcom BCM4352, dual band (2.4/5GHz), Wi-Fi + Bluetooth 4.0 combo adapter, 2x2								
Bluetooth™	Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								
Ethernet	One gigabit ethernet port, Realtek 8111EPV, Wake on LAN®								
Modem	None								
Manageability	Enhanced Manageability with DASH 1.1								
Security chip	Trusted Platform Module, TCG 1.2-compliant								
Security features	● Padlock loop (in rear for opt padlock) ● Security slot (in rear for optional Kensington® MicroSaver® cable) ● Cable lock to physically lock both keyboard and mouse (optional) ● Power-on password							● Administrator password ● Hard disk password ● Boot sequence control ● Boot without keyboard and mouse ● Individual USB port disablement ● Optional Chassis intrusion switch	
							Environment	ENERGY STAR® 6.0 (Need 85% PSU and Windows OS); EPEAT™ Gold rating (Need 85% PSU and Windows OS); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3	
							Accessories	For compatible accessories, please go to TC-AQP sheet	

See footnotes for more detailed information

ThinkCentre M79 SFF (10CV) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Graphics	Storage	Optical	WLAN	Media reader	2nd Serial / Parallel	PS/2 Ports	2nd DP Port	Optional 2 rear USB	IEEE 1394	Chassis intrusion switch	Cable lock	Floor Stand	Key-board/ Mouse	Power Supply	Preload	Base Warranty (year)	Global	Ann Date (mm/yy)
10CV0000US	A6 6400B	4Gx1	HD 8470D	500G 7200	DVD±RW	None	None	None	PS/2	None	None	None	None	None	None	USB	180W	Win7 P64 DG Win8.1	3-onsite	No	07/14
10CV0001US	A8 6500B	4Gx1	HD 8570D	500G 7200	DVD±RW	None	None	None	PS/2	None	None	None	None	None	None	USB	180W	Win7 P64 DG Win8.1	3-onsite	No	07/14
10CV0002US	A8 7600B	4Gx1	Radeon R7 500G	7200	DVD±RW	None	None	None	PS/2	None	None	None	None	None	None	USB	240W	Win7 P64 DG Win8.1	3-onsite	No	07/14
10CV0003US	A4 6300B	4Gx1	HD 8370D	500G 7200	DVD	None	None	None	PS/2	None	None	None	None	None	None	USB	180W	Win7 P64 DG Win8.1	3-onsite	No	10/14

• For detailed platform specifications, please see [ThinkCentre M79 SFF Platform Specifications](#) sheet

Processor	AMD A4, A6, A8, or A10 series APUs						Manageability Security chip Security features Keyboard Mouse Mechanical Floor Stand Power supply Limited warranty ³ Preload Environment Accessories	Enhanced Manageability with DASH 1.1 Trusted Platform Module, TCG 1.2-compliant ● Padlock loop (in rear for opt padlock) ● Security slot (in rear for optional Kensington® MicroSaver® cable) ● Cable lock to physically lock both keyboard and mouse (optional) <i>USB:</i> Preferred Pro USB Keyboard (USB connector), Lenovo logo <i>Finger:</i> Lenovo USB Fingerprint Keyboard (USB connector) <i>2.4G:</i> Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black <i>USB:</i> Enhanced Optical USB Mouse, black, Lenovo logo <i>2.4G:</i> Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black ● Business black color; metal case, 11L ● 13.2" W X 15.0" D X 3.9" H ● 335mm W X 382mm D X 101mm H ● 14.6 lb (6.6 kg) in maximum configuration Bay: 5.25" x1, 3.5"x1, SSD bay x1, MCR bay x1 *SSD bay only available on models with 2nd SSD installed Slot (Low Profile): one PCIe 3.0 x16 (40w max), two PCIe 2.0 x1, one PCI 2.3 Optional system floor stand for vertical orientation <i>180W:</i> 180 watts, autosensing, 100-240V (50-60Hz) <i>240W:</i> 240 watts, autosensing, 100-240V (50-60Hz) <i>240W ES:</i> 240 watts, autosensing, 85% PSU, 100-240V (50-60Hz) <i>Some:</i> 3-years, limited onsite service / service upgrades available <i>Some:</i> 3-years, limited onsite service, IWS (International Warranty Service®) / service upgrades available <i>For Lenovo service upgrade options, please go to S-TC sheet</i> <i>Some:</i> Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit <i>Some:</i> Windows 7 Professional 32 <i>Some:</i> Windows 7 Professional 64 <i>Some:</i> Windows 8.1 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit ENERGY STAR® 6.0 (Need 85% PSU and Windows OS); EPEAT™ Gold rating (Need 85% PSU and Windows OS); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3 For compatible accessories, please go to TC-AQP sheet	
	APU	Cores	Frequency (Max/Base)	L2 Cache	Memory Types	Integrated Graphics			
	A4-6300B	2	3.9 / 3.7	1MB	DDR3-1600	HD 8370D			
	A6-6400B	2	4.1 / 3.9	1MB	DDR3-1866	HD 8470D			
	A8-6500B	4	4.1 / 3.5	4MB	DDR3-1866	HD 8570D			
	A6 PRO-7400B	2	3.9 / 3.5	1MB	DDR3-1866	Radeon R5 Series			
A8 PRO-7600B	4	3.8 / 3.1	4MB	DDR3-2133	Radeon R7 Series				
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets								
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB flash, SATA 6.0Gb/s, 2.5" <i>Some:</i> 1TB (7200 rpm) hybrid hard disk / with 8GB flash, SATA 6.0Gb/s, 3.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide								
Optical	<i>Some:</i> DVD-ROM SATA 1.5Gb/s Drive <i>Some:</i> Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive								
Onboard SATA	SATA 6.0Gb/s controller, three connectors on planar, RAID 0/1 support								
Media reader	Optional 7-in-1 single slot media card reader								
Graphics	AMD Radeon™ Graphics in processor, uses main memory, one VGA, one DisplayPort™, one optional DP, supports up to three independent displays, works along with optional discrete graphics to support up to five independent displays; <i>Some:</i> AMD Radeon HD 8570 , DirectX 11, one VGA, one HDMI, 40W; <i>Some:</i> NVIDIA® GeForce® GT 620 , DirectX 11, one VGA, one DisplayPort, 30W; <i>Some:</i> AMD Radeon™ HD 7450 , DirectX 11, one DVI-I one DisplayPort, 25W; Optional DisplayPort to DVI-D monitor cable								
DP cable									
Chipset	AMD A78 Chipset								
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)								
Rear ports	Up to six USB ports (2x USB 3.0 + 2x USB 2.0 + 2x optional USB 2.0), serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA, DisplayPort (1x standard + 1x optional), two PS/2 ports								
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)								
IEEE 1394	Optional FireWire PCIe adapter, 1394a-2000, 400Mbps, two 6-pin ports on rear								
Audio support	High Definition (HD) Audio, Realtek ALC662 / internal speakers (1watt x 2)								
WLAN ¹³	<i>Some:</i> 11b/g/n wireless, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1 <i>Some:</i> 11b/g/n wireless, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2 <i>Some:</i> 11ac/b/g/n wireless, Broadcom BCM4352, 2.4/5GHz, Wi-Fi + BT 4.0, 2x2								
Bluetooth™	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								
Ethernet	One gigabit ethernet port, Realtek 8111EPV, Wake on LAN®								
Modem	None								

See footnotes for more detailed information

ThinkCentre M79 Tower (10CN) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Graphics	Storage	Optical	WLAN	Media reader	2nd Serial / Parallel	PS/2 Ports	2nd DP Port	Optional 2 rear USB	IEEE 1394	Chassis intrusion switch	Cable lock	Floor Stand	Key-board/ Mouse	Power Supply	Preload	Base Warranty (year)	Global	Ann Date (mm/yy)
10CN0000US	A4 6300B	4Gx1	HD 8370D	500G 7200	DVD±RW	None	None	None	PS/2	None	None	None	None	None	None	USB	180W	Win7 P64 DG Win8.1	3-onsite	No	07/14
10CN0001US	A8 6500B	4Gx1	HD 8570D	500G 7200	DVD±RW	None	None	None	PS/2	None	None	None	None	None	None	USB	180W	Win7 P64 DG Win8.1	3-onsite	No	07/14
10CN0002US	A8 7600B	4Gx1	Radeon R7	500G 7200	DVD±RW	None	None	None	PS/2	None	None	None	None	None	None	USB	280W	Win7 P64 DG Win8.1	3-onsite	No	07/14
10CN0003US	A6 6400B	4Gx1	HD 8470D	500G 7200	DVD±RW	None	None	None	PS/2	None	None	None	None	None	None	USB	180W	Win7 P64 DG Win8.1	3-onsite	No	07/14
10CN000WUS	A10 7800B	8Gx1	Radeon R7	500GB 7200	DVD±RW	None	None	None	PS/2	None	None	None	None	None	None	USB	280W	Win7 P64 DG Win8.1	3-onsite	No	11/14
10CN000VUS	A10 7800B	4Gx1	Radeon R7	500GB 7200	DVD±RW	None	None	None	PS/2	None	None	None	None	None	None	USB	280W	Win7 P64 DG Win8.1	3-onsite	No	11/14

• For detailed platform specifications, please see [ThinkCentre M79 Tower Platform Specifications](#) sheet

Processor	AMD A4, A6, A8, or A10 series APUs						Manageability Security chip Security features	Enhanced Manageability with DASH 1.1 Trusted Platform Module, TCG 1.2-compliant	
	APU	Cores	Frequency (Max/Base)	L2 Cache	Memory Types	Integrated Graphics		● Padlock loop (in rear for opt padlock) ● Power-on, Admin, Hard Disk password	
	A4-6300B	2	3.9 / 3.7	1MB	DDR3-1600	HD 8370D		● Security slot (in rear for optional Kensington® MicroSaver® cable) ● Boot sequence control	
	A6-6400B	2	4.1 / 3.9	1MB	DDR3-1866	HD 8470D		● Cable lock to physically lock both keyboard and mouse (optional) ● Boot without keyboard and mouse	
	A8-6500B	4	4.1 / 3.5	4MB	DDR3-1866	HD 8570D		● Individual USB port disablement	
	A6 PRO-7400B	2	3.9 / 3.5	1MB	DDR3-1866	Radeon R5 Series		● Optional Chassis intrusion switch	
A8 PRO-7600B	4	3.8 / 3.1	4MB	DDR3-2133	Radeon R7 Series				
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets						Keyboard	USB: Preferred Pro USB Keyboard (USB connector), Lenovo logo Finger: Lenovo USB Fingerprint Keyboard (USB connector)	
Disk	Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm Some: 500GB (5400 rpm) hybrid hard disk / with 8GB flash, SATA 6.0Gb/s, 2.5" Some: 1TB (7200 rpm) hybrid hard disk / with 8GB flash, SATA 6.0Gb/s, 3.5" wide Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide Some: DVD-ROM SATA 1.5Gb/s Drive Some: Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive						Mouse	2.4G: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black USB: Enhanced Optical USB Mouse, black, Lenovo logo 2.4G: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black	
Optical	SATA 6.0Gb/s controller, three connectors on planar, RAID 0/1 support Optional 7-in-1 single slot media card reader						Mechanical	● Business black color; metal case, 20L ● 6.3" W X 16.6" D X 15.3" H (with handle) ● 160mm W X 422mm D X 388mm H ● 20.7 lb (9.4 kg) in maximum configuration Bay: 5.25" x1, 3.5" x2, MCR Bay x1 Slot (half-length): one PCIe 3.0 x16 (60w max), two PCIe 2.0 x1, one PCI 2.3	
Onboard SATA Media reader	Optional 7-in-1 single slot media card reader						Power supply	180W: 180 watts, autosensing, 100-240V (50-60Hz) 280W: 280 watts, autosensing, 100-240V (50-60Hz) 280W ES: 280 watts, autosensing, 85% PSU, 100-240V (50-60Hz)	
Graphics	AMD Radeon™ Graphics in processor, uses main memory, one VGA, one DisplayPort™, one optional DP, supports up to three independent displays, works along with optional discrete graphics to support up to five independent displays; Some: AMD Radeon HD 8570, DirectX 11, one VGA, one HDMI, 40W; Some: NVIDIA® GeForce® GT 620, DirectX 11, one VGA, one DisplayPort, 30W; Some: AMD Radeon™ HD 7450, DirectX 11, one DVI-I one DisplayPort, 25W; Optional DisplayPort to DVI-D monitor cable						Limited warranty ³	Some: 3-years, limited onsite service / service upgrades available Some: 3-years, limited onsite service, IWS (International Warranty Service®) / service upgrades available For Lenovo service upgrade options, please go to S-TC sheet	
DP cable							Preload	Some: Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Some: Windows 7 Professional 32 Some: Windows 7 Professional 64 Some: Windows 8.1 64-bit Some: Windows 8.1 Pro 64-bit	
Chipset	AMD A78 FCH						Environment	ENERGY STAR® 6.0 (Need 85% PSU and Windows OS); EPEAT™ Gold rating (Need 85% PSU and Windows OS); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) Up to six USB ports (2x USB 3.0 + 2x USB 2.0 + 2x optional USB 2.0), serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA, DisplayPort (1x standard + 1x optional), two PS/2 ports						Accessories	For compatible accessories, please go to TC-AQP sheet	
Rear ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm) Optional FireWire PCIe adapter, 1394a-2000, 400Mbps, two 6-pin ports on rear								
Rear audio ports	High Definition (HD) Audio, Realtek ALC662 / internal speakers (1.5watt x 2)								
IEEE 1394	Some: 11b/g/n wireless, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1 Some: 11b/g/n wireless, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2 Some: 11ac/b/g/n wireless, Broadcom BCM4352, 2.4/5GHz, Wi-Fi + BT 4.0, 2x2								
Audio support									
WLAN ¹³									
Bluetooth™	Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								
Ethernet	One gigabit ethernet port, Realtek 8111EPV, Wake on LAN®								
Modem	None								

ThinkCentre M79 SFF (10CT)

Product Specifications Reference (PSREF)

Type-model	Processor	Mem-ory	Graphics	Storage	Optical	WLAN	Media reader	2nd Serial / Parallel	PS/2 Ports	2nd DP Port	Optional 2 rear USB	IEEE 1394	Chassis intrusion switch	Cable lock	Floor Stand	Key-board/ Mouse	Power Supply	Preload	Base Warranty (year)	Global	Ann Date (mm/yy)
10CT0006US	A4 6300B	2Gx1	HD 8370D	250G 7200	DVD	None	None	None	PS/2	None	None	None	Switch	None	None	USB	240W ES	Win7 Pro32	3-onsite	G	07/14
10CT0007US	A6 7400B	2Gx1	Radeon R5	500G 7200	DVD±RW	None	None	None	PS/2	None	None	None	Switch	None	None	USB	240W ES	Win7 Pro32	3-onsite	G	07/14
10CT0008US	A6 6400B	4Gx1	HD 8470D	500G 7200	DVD±RW	None	None	None	PS/2	None	None	None	None	None	None	USB	240W ES	Win7 P64 DG Win8.1	3-onsite	None	08/14
10CT0009US	A6 6400B	4Gx1	HD 8470D	500G 7200	DVD±RW	8723BE	None	None	PS/2	None	None	None	None	None	None	USB	240W ES	Win7 P64 DG Win8.1	3-onsite	None	08/14
10CT000AUS	A8 7600B	8Gx1	Radeon R7	500G 7200	DVD±RW	None	None	None	PS/2	None	None	None	None	None	None	USB	240W ES	Win7 P64 DG Win8.1	3-onsite	None	08/14
10CT000BUS	A8 7600B	8Gx1	GT 620	500G 7200	DVD±RW	8723BE	None	None	PS/2	None	None	None	None	None	None	USB	240W ES	Win7 P64 DG Win8.1	3-onsite	None	08/14

• For detailed platform specifications, please see [ThinkCentre M79 SFF Platform Specifications](#) sheet

Processor	AMD A4, A6, A8, or A10 series APUs						Manageability	Enhanced Manageability with DASH 1.1	
	APU	Cores	Frequency (Max/Base)	L2 Cache	Memory Types	Integrated Graphics	Security chip	Trusted Platform Module, TCG 1.2-compliant	
	A4-6300B	2	3.9 / 3.7	1MB	DDR3-1600	HD 8370D	Security features	● Padlock loop (in rear for opt padlock)	
	A6-6400B	2	4.1 / 3.9	1MB	DDR3-1866	HD 8470D		● Security slot (in rear for optional Kensington® MicroSaver® cable)	
	A8-6500B	4	4.1 / 3.5	4MB	DDR3-1866	HD 8570D		● Cable lock to physically lock both keyboard and mouse (optional)	
	A6 PRO-7400B	2	3.9 / 3.5	1MB	DDR3-1866	Radeon R5 Series		● Power-on, Admin, Hard Disk password	
	A8 PRO-7600B	4	3.8 / 3.1	4MB	DDR3-2133	Radeon R7 Series		● Boot sequence control	
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets						Keyboard	USB: Preferred Pro USB Keyboard (USB connector), Lenovo logo	
Disk	Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm Some: 500GB (5400 rpm) hybrid hard disk / with 8GB flash, SATA 6.0Gb/s, 2.5" wide Some: 1TB (7200 rpm) hybrid hard disk / with 8GB flash, SATA 6.0Gb/s, 3.5" wide Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide						Mouse	Finger: Lenovo USB Fingerprint Keyboard (USB connector)	
Optical	Some: DVD-ROM SATA 1.5Gb/s Drive Some: Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive						Mechanical	2.4G: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black	
Onboard SATA	SATA 6.0Gb/s controller, three connectors on planar, RAID 0/1 support							USB: Enhanced Optical USB Mouse, black, Lenovo logo	
Media reader	Optional 7-in-1 single slot media card reader						Floor Stand	2.4G: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black	
Graphics	AMD Radeon™ Graphics in processor, uses main memory, one VGA, one DisplayPort™, one optional DP, supports up to three independent displays, works along with optional discrete graphics to support up to five independent displays; Some: AMD Radeon HD 8570, DirectX 11, one VGA, one HDMI, 40W; Some: NVIDIA® GeForce® GT 620, DirectX 11, one VGA, one DisplayPort, 30W; Some: AMD Radeon™ HD 7450, DirectX 11, one DVI-I one DisplayPort, 25W; Optional DisplayPort to DVI-D monitor cable							● Business black color; metal case, 11L	
DP cable							Power supply	● 13.2" W X 15.0" D X 3.9" H	
Chipset	AMD A78 Chipset							● 335mm W X 382mm D X 101mm H	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)						Limited warranty ³	● 14.6 lb (6.6 kg) in maximum configuration	
Rear ports	Up to six USB ports (2x USB 3.0 + 2x USB 2.0 + 2x optional USB 2.0), serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA, DisplayPort (1x standard + 1x optional), two PS/2 ports							Bay: 5.25" x1, 3.5"x1, SSD bay x1, MCR bay x1	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)						Preload	*SSD bay only available on models with 2nd SSD installed	
IEEE 1394	Optional FireWire PCIe adapter, 1394a-2000, 400Mbps, two 6-pin ports on rear							Slot (Low Profile): one PCIe 3.0 x16 (40w max), two PCIe 2.0 x1, one PCI 2.3	
Audio support	High Definition (HD) Audio, Realtek ALC662 / internal speakers (1watt x 2)						Environment	Optional system floor stand for vertical orientation	
WLAN ¹³	Some: 11b/g/n wireless, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1 Some: 11b/g/n wireless, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2 Some: 11ac/b/g/n wireless, Broadcom BCM4352, 2.4/5GHz, Wi-Fi + BT 4.0, 2x2							180W: 180 watts, autosensing, 100-240V (50-60Hz)	
Bluetooth™	Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter						Accessories	240W: 240 watts, autosensing, 100-240V (50-60Hz)	
Ethernet	One gigabit ethernet port, Realtek 8111EPV, Wake on LAN®							240W ES: 240 watts, autosensing, 85% PSU, 100-240V (50-60Hz)	
Modem	None						Some: 3-years, limited onsite service / service upgrades available		
							Some: 3-years, limited onsite service, IWS (International Warranty Service®) / service upgrades available		
							For Lenovo service upgrade options, please go to S-TC sheet		
							Some: Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit		
							Some: Windows 7 Professional 32		
							Some: Windows 7 Professional 64		
							Some: Windows 8.1 64-bit		
							Some: Windows 8.1 Pro 64-bit		
							ENERGY STAR® 6.0 (Need 85% PSU and Windows OS);		
							EPEAT™ Gold rating (Need 85% PSU and Windows OS);		
							GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3		
							For compatible accessories, please go to TC-AQP sheet		

See footnotes for more detailed information

ThinkCentre M79 SFF (10CW)

Product Specifications Reference (PSREF)

Type-model	Processor	Mem-ory	Graphics	Storage	Optical	WLAN	Media reader	2nd Serial / Parallel	PS/2 Ports	2nd DP Port	Optional 2 rear USB	IEEE 1394	Chassis intrusion switch	Cable lock	Floor Stand	Key-board/ Mouse	Power Supply	Preload	Base Warranty (year)	Global	Ann Date (mm/yy)
10CW000BUS	A4 6300B	4Gx1	HD 8370D	500G 7200	DVD±RW	None	None	None	PS/2	None	None	None	None	None	None	USB	180W	Win7 P64 DG Win8.1	3-onsite	None	08/14
10CW000CUS	A8 6500B	4Gx1	HD 8570D	500G 7200	DVD±RW	None	None	None	PS/2	None	None	None	None	None	None	USB	180W	Win7 P64 DG Win8.1	3-onsite	None	08/14
10CW000DUS	A8 6500B	8Gx1	GT 620	1TB 7200	DVD±RW	None	None	None	PS/2	None	None	None	None	None	None	USB	180W	Win7 P64 DG Win8.1	3-onsite	None	08/14

• For detailed platform specifications, please see [ThinkCentre M79 SFF Platform Specifications](#) sheet

Processor	AMD A4, A6, A8, or A10 series APUs						Manageability Security chip Security features Keyboard Mouse Mechanical Floor Stand Power supply Limited warranty ³ Preload Environment Accessories	Enhanced Manageability with DASH 1.1 Trusted Platform Module, TCG 1.2-compliant ● Padlock loop (in rear for opt padlock) ● Security slot (in rear for optional Kensington® MicroSaver® cable) ● Cable lock to physically lock both keyboard and mouse (optional) <i>USB:</i> Preferred Pro USB Keyboard (USB connector), Lenovo logo <i>Finger:</i> Lenovo USB Fingerprint Keyboard (USB connector) <i>2.4G:</i> Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black <i>USB:</i> Enhanced Optical USB Mouse, black, Lenovo logo <i>2.4G:</i> Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black ● Business black color; metal case, 11L ● 13.2" W X 15.0" D X 3.9" H ● 335mm W X 382mm D X 101mm H ● 14.6 lb (6.6 kg) in maximum configuration Bay: 5.25" x1, 3.5"x1, SSD bay x1, MCR bay x1 *SSD bay only available on models with 2nd SSD installed Slot (Low Profile): one PCIe 3.0 x16 (40w max), two PCIe 2.0 x1, one PCI 2.3 Optional system floor stand for vertical orientation <i>180W:</i> 180 watts, autosensing, 100-240V (50-60Hz) <i>240W:</i> 240 watts, autosensing, 100-240V (50-60Hz) <i>240W ES:</i> 240 watts, autosensing, 85% PSU, 100-240V (50-60Hz) <i>Some:</i> 3-years, limited onsite service / service upgrades available <i>Some:</i> 3-years, limited onsite service, IWS (International Warranty Service®) / service upgrades available <i>For Lenovo service upgrade options, please go to S-TC sheet</i> <i>Some:</i> Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit <i>Some:</i> Windows 7 Professional 32 <i>Some:</i> Windows 7 Professional 64 <i>Some:</i> Windows 8.1 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit ENERGY STAR® 6.0 (Need 85% PSU and Windows OS); EPEAT™ Gold rating (Need 85% PSU and Windows OS); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3 For compatible accessories, please go to TC-AQP sheet	
	APU	Cores	Frequency (Max/Base)	L2 Cache	Memory Types	Integrated Graphics			
	A4-6300B	2	3.9 / 3.7	1MB	DDR3-1600	HD 8370D			
	A6-6400B	2	4.1 / 3.9	1MB	DDR3-1866	HD 8470D			
	A8-6500B	4	4.1 / 3.5	4MB	DDR3-1866	HD 8570D			
	A6 PRO-7400B	2	3.9 / 3.5	1MB	DDR3-1866	Radeon R5 Series			
A8 PRO-7600B	4	3.8 / 3.1	4MB	DDR3-2133	Radeon R7 Series				
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets								
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB flash, SATA 6.0Gb/s, 2.5" <i>Some:</i> 1TB (7200 rpm) hybrid hard disk / with 8GB flash, SATA 6.0Gb/s, 3.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide								
Optical	<i>Some:</i> DVD-ROM SATA 1.5Gb/s Drive <i>Some:</i> Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive								
Onboard SATA	SATA 6.0Gb/s controller, three connectors on planar, RAID 0/1 support								
Media reader	Optional 7-in-1 single slot media card reader								
Graphics	AMD Radeon™ Graphics in processor, uses main memory, one VGA, one DisplayPort™, one optional DP, supports up to three independent displays, works along with optional discrete graphics to support up to five independent displays; <i>Some:</i> AMD Radeon HD 8570 , DirectX 11, one VGA, one HDMI, 40W; <i>Some:</i> NVIDIA® GeForce® GT 620 , DirectX 11, one VGA, one DisplayPort, 30W; <i>Some:</i> AMD Radeon™ HD 7450 , DirectX 11, one DVI-I one DisplayPort, 25W; <i>Optional</i> DisplayPort to DVI-D monitor cable								
DP cable									
Chipset	AMD A78 Chipset								
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)								
Rear ports	Up to six USB ports (2x USB 3.0 + 2x USB 2.0 + 2x optional USB 2.0), serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA, DisplayPort (1x standard + 1x optional), two PS/2 ports								
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)								
IEEE 1394	Optional FireWire PCIe adapter, 1394a-2000, 400Mbps, two 6-pin ports on rear								
Audio support	High Definition (HD) Audio, Realtek ALC662 / internal speakers (1watt x 2)								
WLAN ¹³	<i>Some:</i> 11b/g/n wireless, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1 <i>Some:</i> 11b/g/n wireless, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2 <i>Some:</i> 11ac/b/g/n wireless, Broadcom BCM4352, 2.4/5GHz, Wi-Fi + BT 4.0, 2x2								
Bluetooth™	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								
Ethernet	One gigabit ethernet port, Realtek 8111EPV, Wake on LAN®								
Modem	None								

See footnotes for more detailed information

ThinkCentre M79 Tower (10CQ)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Graphics	Storage	Optical	WLAN	Media reader	2nd Serial / Parallel	PS/2 Ports	2nd DP Port	Optional 2 rear USB	IEEE 1394	Chassis intrusion switch	Cable lock	Floor Stand	Key-board/ Mouse	Power Supply	Preload	Base Warranty (year)	Global	Ann Date (mm/yy)
10CQ0005US	A4 6300B	2Gx1	HD 8370D	250G 7200	DVD	None	None	None	PS/2	None	None	None	Switch	None	None	USB	280W ES	Win7 Pro32	3-onsite IWS	G	07/14
10CQ0006US	A6 7400B	2Gx1	Radeon R5500G	7200	DVD±RW	None	None	None	PS/2	None	None	None	Switch	None	None	USB	280W ES	Win7 Pro32	3-onsite IWS	G	07/14
10CQ0007US	A8 7600B	4Gx1	HD 8570	1TB 7200	DVD±RW	None	Media	P	PS/2	None	None	None	Switch	None	None	USB	280W ES	Win7 Pro64	3-onsite IWS	G	07/14

• For detailed platform specifications, please see [ThinkCentre M79 Tower Platform Specifications sheet](#)

Processor	AMD A4, A6, A8, or A10 series APUs						Manageability	Enhanced Manageability with DASH 1.1	
	APU	Cores	Frequency (Max/Base)	L2 Cache	Memory Types	Integrated Graphics	Security chip	Trusted Platform Module, TCG 1.2-compliant	
	A4-6300B	2	3.9 / 3.7	1MB	DDR3-1600	HD 8370D	Security features	● Padlock loop (in rear for opt padlock)	
	A6-6400B	2	4.1 / 3.9	1MB	DDR3-1866	HD 8470D		● Security slot (in rear for optional Kensington® MicroSaver® cable)	
	A8-6500B	4	4.1 / 3.5	4MB	DDR3-1866	HD 8570D		● Cable lock to physically lock both keyboard and mouse (optional)	
	A6 PRO-7400B	2	3.9 / 3.5	1MB	DDR3-1866	Radeon R5 Series		● Power-on, Admin, Hard Disk password	
	A8 PRO-7600B	4	3.8 / 3.1	4MB	DDR3-2133	Radeon R7 Series		● Boot sequence control	
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets						Keyboard	USB: Preferred Pro USB Keyboard (USB connector), Lenovo logo	
Disk	Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm Some: 500GB (5400 rpm) hybrid hard disk / with 8GB flash, SATA 6.0Gb/s, 2.5" Some: 1TB (7200 rpm) hybrid hard disk / with 8GB flash, SATA 6.0Gb/s, 3.5" wide Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide Some: DVD-ROM SATA 1.5Gb/s Drive Some: Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive						Mouse	Finger: Lenovo USB Fingerprint Keyboard (USB connector) 2.4G: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black USB: Enhanced Optical USB Mouse, black, Lenovo logo 2.4G: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black	
Optical	Some: DVD-ROM SATA 1.5Gb/s Drive Some: Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive						Mechanical	● Business black color; metal case, 20L ● 6.3" W X 16.6" D X 15.3" H (with handle) ● 160mm W X 422mm D X 388mm H ● 20.7 lb (9.4 kg) in maximum configuration Bay: 5.25" x1, 3.5" x2, MCR Bay x1 Slot (half-length): one PCIe 3.0 x16 (60w max), two PCIe 2.0 x1, one PCI 2.3	
Onboard SATA	SATA 6.0Gb/s controller, three connectors on planar, RAID 0/1 support						Power supply	180W: 180 watts, autosensing, 100-240V (50-60Hz) 280W: 280 watts, autosensing, 100-240V (50-60Hz) 280W ES: 280 watts, autosensing, 85% PSU, 100-240V (50-60Hz)	
Media reader	Optional 7-in-1 single slot media card reader						Limited warranty ³	Some: 3-years, limited onsite service / service upgrades available Some: 3-years, limited onsite service, IWS (International Warranty Service ⁹) / service upgrades available For Lenovo service upgrade options, please go to S-TC sheet	
Graphics	AMD Radeon™ Graphics in processor, uses main memory, one VGA, one DisplayPort™, one optional DP, supports up to three independent displays, works along with optional discrete graphics to support up to five independent displays; Some: AMD Radeon HD 8570, DirectX 11, one VGA, one HDMI, 40W; Some: NVIDIA® GeForce® GT 620, DirectX 11, one VGA, one DisplayPort, 30W; Some: AMD Radeon™ HD 7450, DirectX 11, one DVI-I one DisplayPort, 25W; Optional DisplayPort to DVI-D monitor cable						Preload	Some: Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Some: Windows 7 Professional 32 Some: Windows 7 Professional 64 Some: Windows 8.1 64-bit Some: Windows 8.1 Pro 64-bit	
DP cable							Environment	ENERGY STAR® 6.0 (Need 85% PSU and Windows OS); EPEAT™ Gold rating (Need 85% PSU and Windows OS); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3	
Chipset	AMD A78 FCH						Accessories	For compatible accessories, please go to TC-AQP sheet	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)								
Rear ports	Up to six USB ports (2x USB 3.0 + 2x USB 2.0 + 2x optional USB 2.0), serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA, DisplayPort (1x standard + 1x optional), two PS/2 ports								
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)								
IEEE 1394	Optional FireWire PCIe adapter, 1394a-2000, 400Mbps, two 6-pin ports on rear								
Audio support	High Definition (HD) Audio, Realtek ALC662 / internal speakers (1.5watt x 2)								
WLAN ¹³	Some: 11b/g/n wireless, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1 Some: 11b/g/n wireless, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2 Some: 11ac/b/g/n wireless, Broadcom BCM4352, 2.4/5GHz, Wi-Fi + BT 4.0, 2x2								
Bluetooth™	Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								
Ethernet	One gigabit ethernet port, Realtek 8111EPV, Wake on LAN®								
Modem	None								

See footnotes for more detailed information

ThinkCentre M79 Tower (10CS)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Graphics	Storage	Optical	WLAN	Media reader	2nd Serial / Parallel	PS/2 Ports	2nd DP Port	Optional 2 rear USB	IEEE 1394	Chassis intrusion switch	Cable lock	Floor Stand	Key-board/ Mouse	Power Supply	Preload	Base Warranty (year)	Global	Ann Date (mm/yy)
10CS0003US	A4 6300B	4Gx1	HD 8370D	500G 7200	DVD±RW	None	None	None	PS/2	None	None	None	Switch	None	None	USB	180W	Win7 P64 DG Win8.1	3-onsite	None	08/14

- For detailed platform specifications, please see [ThinkCentre M79 Tower Platform Specifications sheet](#)

Processor	AMD A4, A6, A8, or A10 series APUs						Manageability		Enhanced Manageability with DASH 1.1													
	APU	Cores	Frequency (Max/Base)	L2 Cache	Memory Types	Integrated Graphics	Security chip		Trusted Platform Module, TCG 1.2-compliant													
	A4-6300B	2	3.9 / 3.7	1MB	DDR3-1600	HD 8370D	Security features		<ul style="list-style-type: none"> Padlock loop (in rear for opt padlock) Security slot (in rear for optional Kensington® MicroSaver® cable) Cable lock to physically lock both keyboard and mouse (optional) Power-on, Admin, Hard Disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Optional <i>Chassis intrusion switch</i> 													
	A6-6400B	2	4.1 / 3.9	1MB	DDR3-1866	HD 8470D																
	A8-6500B	4	4.1 / 3.5	4MB	DDR3-1866	HD 8570D																
	A6 PRO-7400B	2	3.9 / 3.5	1MB	DDR3-1866	Radeon R5 Series																
	A8 PRO-7600B	4	3.8 / 3.1	4MB	DDR3-2133	Radeon R7 Series																
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets						Keyboard		USB: Preferred Pro USB Keyboard (USB connector), Lenovo logo Finger: Lenovo USB Fingerprint Keyboard (USB connector)													
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB flash, SATA 6.0Gb/s, 2.5" <i>Some:</i> 1TB (7200 rpm) hybrid hard disk / with 8GB flash, SATA 6.0Gb/s, 3.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide						Mouse		USB: Enhanced Optical USB Mouse, black, Lenovo logo 2.4G: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black													
Optical	<i>Some:</i> DVD-ROM SATA 1.5Gb/s Drive <i>Some:</i> Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive						Mechanical		<ul style="list-style-type: none"> Business black color; metal case, 20L 6.3" W X 16.6" D X 15.3" H (with handle) 160mm W X 422mm D X 388mm H 20.7 lb (9.4 kg) in maximum configuration Bay: 5.25" x1, 3.5" x2, MCR Bay x1 Slot (half-length): one PCIe 3.0 x16 (60w max), two PCIe 2.0 x1, one PCI 2.3 													
Onboard SATA	SATA 6.0Gb/s controller, three connectors on planar, RAID 0/1 support						Power supply		180W: 180 watts, autosensing, 100-240V (50-60Hz) 280W: 280 watts, autosensing, 100-240V (50-60Hz) 280W ES: 280 watts, autosensing, 85% PSU, 100-240V (50-60Hz)													
Media reader	Optional 7-in-1 single slot media card reader						Limited warranty ³		<i>Some:</i> 3-years, limited onsite service / service upgrades available <i>Some:</i> 3-years, limited onsite service, IWS (International Warranty Service ⁹) / service upgrades available <i>For Lenovo service upgrade options, please go to S-TC sheet</i>													
Graphics	AMD Radeon™ Graphics in processor, uses main memory, one VGA, one DisplayPort™, one optional DP, supports up to three independent displays, works along with optional discrete graphics to support up to five independent displays; <i>Some:</i> AMD Radeon HD 8570 , DirectX 11, one VGA, one HDMI, 40W; <i>Some:</i> NVIDIA® GeForce® GT 620 , DirectX 11, one VGA, one DisplayPort, 30W; <i>Some:</i> AMD Radeon™ HD 7450 , DirectX 11, one DVI-I one DisplayPort, 25W; <i>Optional</i> DisplayPort to DVI-D monitor cable						Preload		<i>Some:</i> Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit <i>Some:</i> Windows 7 Professional 32 <i>Some:</i> Windows 7 Professional 64 <i>Some:</i> Windows 8.1 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit													
DP cable							Environment		ENERGY STAR® 6.0 (Need 85% PSU and Windows OS); EPEAT™ Gold rating (Need 85% PSU and Windows OS); GREENGUARD® ; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3													
Chipset	AMD A78 FCH						Accessories		For compatible accessories, please go to TC-AQP sheet													
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)																					
Rear ports	Up to six USB ports (2x USB 3.0 + 2x USB 2.0 + 2x optional USB 2.0), serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA, DisplayPort (1x standard + 1x optional), two PS/2 ports																					
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)																					
IEEE 1394	Optional FireWire PCIe adapter, 1394a-2000, 400Mbps, two 6-pin ports on rear																					
Audio support	High Definition (HD) Audio, Realtek ALC662 / internal speakers (1.5watt x 2)																					
WLAN ¹³	<i>Some:</i> 11b/g/n wireless, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1 <i>Some:</i> 11b/g/n wireless, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2 <i>Some:</i> 11ac/b/g/n wireless, Broadcom BCM4352, 2.4/5GHz, Wi-Fi + BT 4.0, 2x2																					
Bluetooth™	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter																					
Ethernet	One gigabit ethernet port, Realtek 8111EPV, Wake on LAN®																					
Modem	None																					

See footnotes for more detailed information



ThinkCentre M83 Tiny with optional floor stand, wireless keyboard/mouse, and monitor



ThinkCentre M83 Tiny with optional floor stand



ThinkCentre M83 Tiny with optional VESA mount kit



ThinkCentre M83 Tiny with optional optical box



ThinkCentre M83 Tiny with optional I/O box



ThinkCentre M83 Tiny

ThinkCentre M83 Tiny Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Intel Pentium®, or 4th Generation Intel Core™ i3 / i5 / i7 Processor						Keyboard	Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo Some: Lenovo USB Fingerprint Keyboard (USB connector) Some: Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black Some: Enhanced Optical USB Mouse, black, Lenovo logo Some: Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black	
	Processor	Cores / Threads	Frequency (Max/Base)	Cache	Memory Types	Integrated Graphics	Mouse		
	Core i3-4130T	2 / 4	2.90 GHz	3MB	DDR3-1600	Intel HD 4400			
	Core i3-4150T	2 / 4	3.00 GHz	3MB	DDR3-1600	Intel HD 4400			
	Core i5-4590T	4 / 4	2.00 / 3.00 GHz	6MB	DDR3-1600	Intel HD 4600	Mechanical	Tiny (1L), business black color; metal case	
	Core i7-4785T	4 / 8	2.20 / 3.20 GHz	8MB	DDR3-1600	Intel HD 4600		M83 Tiny only	7.0" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 2.9 lb (1.3 kg), weight may vary by configuration
Memory	16GB max / DDR3 Low Voltage, DDR3L-1600*, non-parity, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller							M83 Tiny with VESA mount & optical box	7.2" W X 7.2" D X 2.6" H 184mm W X 182mm D X 65mm H 5.1 lb (2.3 kg), weight may vary by configuration
Disk	Some: hard disk, 2.5" Wide, 5400 or 7200 rpm, Active Protection System™ Some: 500GB (5400 rpm) Solid State Hybrid Drive (SSHD) / with 8GB MLC NAND flash memory, 2.5" wide Some: Solid State Drive (SSD) / 2.5" Wide						VESA mount Floor Stand	Optional VESA mount bracket kit, supports VESA 75mm and 100mm Optional system floor stand for vertical orientation	
Optical	Some: external optical box with slim DVD-ROM, 12.7mm high, tray-in, via USB Some: external optical box with slim DVD±RW, 12.7mm high, tray-in, via USB						Power supply	65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)	
Onboard SATA	SATA 6.0Gb/s controller, one connector on planar						Limited warranty ³	Some: 3-years, limited onsite service / service upgrades available Some: 3-years, limited onsite service, IWS (International Warranty Service ⁹) / service upgrades available For Lenovo service upgrade options, please go to S-TC sheet	
Media reader	None						Preload	Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Some: Windows 7 Professional 32/64 Ready to install applications (only some listed) ● Rescue and Recovery™ ● Password Manager Preloaded applications (only some listed) ● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Communication Utility ● PC Device Stage ● Desktop Power Manager ● View Management Utility ● Lenovo Solution Center ● Lenovo Message Center Plus ● Lenovo SHAREit ● Norton™ Internet Security (30 days of virus definitions) ● Adobe® Reader® ● Skype™ ● Microsoft Office preloaded; purchase a product key to activate ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Evernote® ● Nitro Pro	
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600, in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, one optional HDMI or one optional 2nd DisplayPort on some models, supports up to 3 independent displays; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1080 (HDMI)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)							Some: Windows 8.1 64-bit Some: Windows 8.1 Pro 64-bit Web install applications (only some listed) ● Password Manager Preloaded applications (only some listed) ● ThinkVantage System Update ● Desktop Power Manager ● Lenovo Solution Center ● PC Device Stage ● Lenovo Companion ● Lenovo SHAREit ● Lenovo Reach ● Norton Internet Security (30 days of virus definitions) ● Skype™ ● Microsoft Office preloaded; purchase a product key to activate ● Cyberlink PowerDVD (DVD±RW, DVD) ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Evernote® ● Nitro Pro ● Norton™ Studio ● Pokki	
DP cable	Optional DisplayPort to DVI-D monitor cable								
Chipset	Intel Q85 Chipset								
Front ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)								
Rear ports	Two USB 3.0, one USB 2.0 (optional external optical box or external I/O box occupies specific USB 2.0 on some models), ethernet (RJ-45), VGA, DisplayPort, one optional port (USB 2.0 / serial / 2nd DisplayPort / HDMI on some models)								
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 2.0 port								
Audio support	High Definition (HD) Audio, Realtek ALC233 / optional internal speaker (1.5 watt)								
WLAN ¹³	Some: 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8723BE, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1 Some: 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8192EE, Wi-Fi + Bluetooth 4.0 combo adapter, 2x2 Some: 11ac/b/g/n wireless, PCIe Half Mini Card, Broadcom BCM4352, dual band (2.4/5GHz), Wi-Fi + Bluetooth 4.0 combo adapter, 2x2 Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 7260, Wi-Fi + Bluetooth 4.0 combo adapter, 2x2 Some: 11ac/a/b/g/n wireless, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo 4.0 adapter, 2x2								
Bluetooth™	Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®								
Modem	None								
Manageability	Intel Standard Manageability								
Security chip	Trusted Platform Module, TCG 1.2-compliant								
Security features	● Security slot (in rear for optional Kensington® MicroSaver® cable) ● Smart USB protection, allows keyboard/ mouse only, blocks all storage devices ● Power-on password ● Administrator password								
	● Hard disk password ● Boot sequence control ● Boot without keyboard and mouse ● Individual USB port disablement ● Optional Chassis intrusion switch						Environment	ENERGY STAR® 6.0; EPEAT™ Gold rating (U.S.); GREENGUARD®; RoHS-compliant; ErP Lot 3; UL Environment Gold; TUV; Cisco EnergyWise compatible	
							Accessories	For compatible accessories, please go to TC-AQP sheet	

See footnotes for more detailed information

ThinkCentre M83 Tiny (10E9) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Processor	Graphics	Memory	Storage	External optical / I/O box	WLAN	DP Cable	Optional port	Chassis intrusion switch	Floor Stand	VESA mount	Keyboard/ Mouse	Internal Speaker	Kensington cable lock	Preload	Base Warranty (year)	Global	Ann Date (mm/yy)
10E9000NUS	i3-4130T	Intel HD 4400	4GBx1	500GB 7200	None	7260 b/g/n	None	USB	None	Stand	None	USB	Speaker	None	Win7 P64 DG Win8.1	3-onsite	No	10/14
10E9000PUS	i3-4130T	Intel HD 4400	4GBx1	500GB 7200	None	7260 b/g/n	None	2nd DP	None	Stand	None	USB	Speaker	None	Win7 P64 DG Win8.1	3-onsite	No	10/14
10E9000QUS	i3-4130T	Intel HD 4400	4GBx1	256GB SSD	None	7260 b/g/n	None	2nd DP	None	Stand	None	USB	Speaker	None	Win7 P64 DG Win8.1	3-onsite	No	10/14
10E9000RUS	i3-4130T	Intel HD 4400	8GBx1	500GB 7200	None	7260 b/g/n	None	None	None	Stand	None	USB	Speaker	None	Win7 P64 DG Win8.1	3-onsite	No	10/14
10E9000SUS	i5-4590T	Intel HD 4600	4GBx1	500GB 7200	None	7260 b/g/n	None	None	None	Stand	None	USB	Speaker	None	Win7 P64 DG Win8.1	3-onsite	No	10/14
10E9000TUS	i5-4590T	Intel HD 4600	8GBx1	500GB 7200	None	7260 b/g/n	None	2nd DP	None	Stand	None	USB	Speaker	None	Win7 P64 DG Win8.1	3-onsite	No	10/14
10E9000UUS	i5-4590T	Intel HD 4600	4GBx1	256GB SSD	None	7260 b/g/n	None	2nd DP	None	Stand	None	USB	Speaker	None	Win7 P64 DG Win8.1	3-onsite	No	10/14
10E9000VUS	i7-4785T	Intel HD 4600	4GBx1	500GB 7200	None	7260 b/g/n	None	2nd DP	None	Stand	Mount	USB	Speaker	None	Win7 P64 DG Win8.1	3-onsite	No	10/14
10E9000WUS	i7-4785T	Intel HD 4600	8GBx1	500GB 7200	None	7260 b/g/n	None	2nd DP	None	Stand	Mount	USB	Speaker	None	Win7 P64 DG Win8.1	3-onsite	No	10/14
10E9000XUS	i7-4785T	Intel HD 4600	8GBx1	256GB SSD	None	7260 b/g/n	None	USB	None	Stand	Mount	USB	Speaker	None	Win7 P64 DG Win8.1	3-onsite	No	10/14
10E9000YUS	i7-4785T	Intel HD 4600	4GBx1	256GB SSD	None	7260 b/g/n	None	USB	None	Stand	Mount	USB	Speaker	None	Win7 P64 DG Win8.1	3-onsite	No	10/14
10E90010US	i7-4785T	Intel HD 4600	4GBx1	180GB SSD	None	7260 b/g/n	None	2nd DP	None	Stand	None	USB	Speaker	None	Win7 P64 DG Win8.1	3-onsite	No	10/14

• For detailed platform specifications, please see [ThinkCentre M83 Tiny Platform Specifications sheet](#)

Processor	Intel® Celeron®, Intel Pentium®, or 4th Generation Intel Core™ i3 / i5 / i7 Processor						Manageability Security chip Security features	Intel Standard Manageability Trusted Platform Module, TCG 1.2-compliant ● Security slot (in rear for optional Kensington® MicroSaver® cable) ● Smart USB protection, allows keyboard/ mouse only, blocks all storage devices ● Power-on password ● Administrator password ● Hard disk password ● Boot sequence control ● Boot without keyboard and mouse ● Individual USB port disablement ● Optional <i>Chassis intrusion switch</i>	
	Processor	Cores / Threads	Frequency (Max/Base)	Cache	Memory Types	Integrated Graphics			
	Core i3-4130T	2 / 4	2.90 GHz	3MB	DDR3-1600	Intel HD 4400			
	Core i3-4150T	2 / 4	3.00 GHz	3MB	DDR3-1600	Intel HD 4400			
	Core i5-4590T	4 / 4	2.00 / 3.00 GHz	6MB	DDR3-1600	Intel HD 4600			
Core i7-4785T	4 / 8	2.20 / 3.20 GHz	8MB	DDR3-1600	Intel HD 4600				
Memory	16GB max / DDR3 Low Voltage, DDR3L-1600*, non-parity, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller						Keyboard	USB: Preferred Pro USB Keyboard (USB connector), Lenovo logo Finger: Lenovo USB Fingerprint Keyboard (USB connector)	
Disk	Some: hard disk, 2.5" Wide, 5400 or 7200 rpm, Active Protection System™ Some: 500GB (5400 rpm) SSHD / with 8GB flash memory, 2.5" wide Some: Solid State Drive (SSD) / 2.5" Wide						Mouse	2.4G: Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black USB: Enhanced Optical USB Mouse, black, Lenovo logo 2.4G: Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black	
Optical	Some: external optical box with slim DVD-ROM, 12.7mm high, tray-in, via USB Some: external optical box with slim DVD±RW, 12.7mm high, tray-in, via USB						Mechanical	Tiny (1L), business black color; metal case	
Onboard SATA Media reader	SATA 6.0Gb/s controller, one connector on planar None							M83 Tiny only	7.0" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 2.9 lb (1.3 kg), weight may vary by configuration
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600, in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, one optional HDMI or one optional 2nd DisplayPort on some models, supports up to 3 independent displays; Maximum resolution: 2560x1600 (DisplayPort) @60Hz; 1920x1080 (HDMI) @60Hz; 1920x1200 (VGA) @60Hz (Reduced Blanking)							M83 Tiny with VESA mount & optical box	7.2" W X 7.2" D X 2.6" H 184mm W X 182mm D X 65mm H 5.1 lb (2.3 kg), weight may vary by configuration
DP cable	Optional DisplayPort to DVI-D monitor cable						VESA mount Floor Stand	Optional VESA mount bracket kit, supports VESA 75mm and 100mm Optional system floor stand for vertical orientation	
Chipset	Intel Q85 Chipset						Power supply	65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)	
Front ports Rear ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm) Two USB 3.0, one USB 2.0 (optional external optical box or external I/O box occupies specific USB 2.0 on some models), ethernet (RJ-45), VGA, DisplayPort, one optional port (USB 2.0 / serial / 2nd DisplayPort / HDMI on some models)						Limited warranty ³	Some: 3-years, limited onsite service / service upgrades available Some: 3-years, limited onsite service, IWS (International Warranty Service ⁹) / service upgrades available For Lenovo service upgrade options, please go to S-TC sheet	
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 2.0 port						Preload	Some: Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Some: Windows 7 Professional 64 Some: Windows 8.1 64-bit Some: Windows 8.1 Pro 64-bit	
Audio support	High Definition (HD) Audio, Realtek ALC233 / optional internal speaker (1.5 watt)						Environment	ENERGY STAR® 6.0; EPEAT™ Gold rating (U.S.) GREENGUARD®; RoHS-compliant; ErP Lot 3; UL Environment Gold; TUV; Cisco EnergyWise compatible	
WLAN ¹³	Some: 11b/g/n, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1 Some: 11b/g/n, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2 Some: 11ac/b/g/n, Broadcom BCM4352, dual band, Wi-Fi + BT 4.0 combo, 2x2 Some: 11b/g/n, Intel Centrino® Wireless-N 7260, Wi-Fi + BT 4.0 combo, 2x2 Some: 11ac/a/b/g/n, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo, 2x2						Accessories	For compatible accessories, please go to TC-AQP sheet	
Bluetooth™ Ethernet Modem	Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN® None								

See footnotes for more detailed information

ThinkCentre M83 Tiny (10E8)

Product Specifications Reference (PSREF)

Type-model	Processor	Graphics	Memory	Storage	External optical / I/O box	WLAN	DP Cable	Optional port	Chassis intrusion switch	Floor Stand	VESA mount	Keyboard/ Mouse	Internal Speaker	Kensington cable lock	Preload	Base Warranty (year)	Global	Ann Date (mm/yy)
10E80017US	i3-4150T	Intel HD 4400	4GBx1	500GB 7200	None	7260 b/g/n	None	None	None	None	None	USB	Speaker	None	Win7 P64 DG Win8.1	3-onsite	No	10/14
10E80018US	i5-4590T	Intel HD 4600	4GBx1	500GB 7200	None	7260 b/g/n	None	2nd DP	None	None	None	USB	Speaker	None	Win7 P64 DG Win8.1	3-onsite	No	10/14
10E80019US	i5-4590T	Intel HD 4600	8GBx1	256GB SSD	None	7260 b/g/n	None	2nd DP	None	None	None	USB	Speaker	None	Win7 P64 DG Win8.1	3-onsite	No	10/14
10E8001AUS	i5-4590T	Intel HD 4600	4GBx1	500GB 7200	None	7260 b/g/n	None	Serial	None	None	Mount	USB	Speaker	None	Win7 P64 DG Win8.1	3-onsite	No	10/14
10E8001BUS	i7-4785T	Intel HD 4600	8GBx1	500GB 7200	None	7260 b/g/n	None	2nd DP	None	None	None	USB	Speaker	None	Win7 P64 DG Win8.1	3-onsite	No	10/14
10E8001CUS	i7-4785T	Intel HD 4600	8GBx1	256GB SSD	None	7260 b/g/n	None	USB	None	None	None	USB	Speaker	None	Win7 P64 DG Win8.1	3-onsite	No	10/14
10E8000HUS	i5-4590T	Intel HD 4600	4GBx1	500GB 7200	None	7260 b/g/n	None	None	Switch	None	None	USB	Speaker	None	Win7 P64 DG Win8.1	3-onsite IWS	Yes	10/14
10E8000JUS	i5-4590T	Intel HD 4600	4GBx1	500GB 5400	None	7260 b/g/n	None	None	Switch	None	None	USB	Speaker	None	Win7 P64 DG Win8.1	3-onsite IWS	Yes	10/14
10E8000KUS	i5-4590T	Intel HD 4600	4GBx1	500GB 7200	None	8723BE	None	None	Switch	None	None	USB	Speaker	None	Win7 P64 DG Win8.1	3-onsite IWS	Yes	10/14
10E8000LUS	i5-4590T	Intel HD 4600	4GBx1	500GB 5400	None	8723BE	None	None	Switch	None	None	USB	Speaker	None	Win7 P64 DG Win8.1	3-onsite IWS	Yes	10/14
10E8000MUS	i3-4130T	Intel HD 4400	2GBx1	500GB 7200	None	8723BE	None	None	Switch	None	None	USB	Speaker	None	Win7 Pro64	3-onsite IWS	Yes	10/14
10E8000NUS	i3-4130T	Intel HD 4400	2GBx1	500GB 5400	None	8723BE	None	None	Switch	None	None	USB	Speaker	None	Win7 Pro64	3-onsite IWS	Yes	10/14
10E8001DUS	i3-4150T	Intel HD 4400	2GBx1	500GB 5400	None	8723BE	None	None	Switch	None	None	USB	Speaker	None	Win7 Pro64	3-onsite IWS	Yes	11/14
10E8001EUS	i3-4150T	Intel HD 4400	2GBx1	500GB 7200	None	8723BE	None	None	Switch	None	None	USB	Speaker	None	Win7 Pro64	3-onsite IWS	Yes	11/14

• For detailed platform specifications, please see [ThinkCentre M83 Tiny Platform Specifications](#) sheet

Processor	Intel® Celeron®, Intel Pentium®, or 4th Generation Intel Core™ i3 / i5 / i7 Processor						Manageability Security chip Security features	Intel Standard Manageability Trusted Platform Module, TCG 1.2-compliant ● Security slot (in rear for optional Kensington® MicroSaver® cable) ● Smart USB protection, allows keyboard/ mouse only, blocks all storage devices ● Power-on password ● Administrator password ● Hard disk password ● Boot sequence control ● Boot without keyboard and mouse ● Individual USB port disablement ● Optional <i>Chassis intrusion switch</i>	
	Processor	Cores / Threads	Frequency (Max/Base)	Cache	Memory Types	Integrated Graphics			
	Core i3-4130T	2 / 4	2.90 GHz	3MB	DDR3-1600	Intel HD 4400			
	Core i3-4150T	2 / 4	3.00 GHz	3MB	DDR3-1600	Intel HD 4400			
	Core i5-4590T	4 / 4	2.00 / 3.00 GHz	6MB	DDR3-1600	Intel HD 4600			
Core i7-4785T	4 / 8	2.20 / 3.20 GHz	8MB	DDR3-1600	Intel HD 4600				
Memory	16GB max / DDR3 Low Voltage, DDR3L-1600*, non-parity, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller						Keyboard	USB: Preferred Pro USB Keyboard (USB connector), Lenovo logo Finger: Lenovo USB Fingerprint Keyboard (USB connector)	
Disk	Some: hard disk, 2.5" Wide, 5400 or 7200 rpm, Active Protection System™ Some: 500GB (5400 rpm) SSHD / with 8GB flash memory, 2.5" wide Some: Solid State Drive (SSD) / 2.5" Wide						Mouse	2.4G: Ultrastim Plus Wireless Keyboard (2.4GHz via USB receiver), black 2.4G: Enhanced Optical USB Mouse, black, Lenovo logo 2.4G: Ultrastim Plus Wireless Mouse (2.4GHz via USB receiver), black	
Optical	Some: external optical box with slim DVD-ROM, 12.7mm high, tray-in, via USB Some: external optical box with slim DVD±RW, 12.7mm high, tray-in, via USB						Mechanical	Tiny (1L), business black color; metal case	
Onboard SATA Media reader	SATA 6.0Gb/s controller, one connector on planar None							M83 Tiny only	7.0" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 2.9 lb (1.3 kg), weight may vary by configuration
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600, in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, one optional HDMI or one optional 2nd DisplayPort on some models, supports up to 3 independent displays; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1080 (HDMI)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)							M83 Tiny with VESA mount & optical box	7.2" W X 7.2" D X 2.6" H 184mm W X 182mm D X 65mm H 5.1 lb (2.3 kg), weight may vary by configuration
DP cable	Optional DisplayPort to DVI-D monitor cable						VESA mount Floor Stand	Optional VESA mount bracket kit, supports VESA 75mm and 100mm Optional system floor stand for vertical orientation	
Chipset	Intel Q85 Chipset						Power supply	65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)	
Front ports Rear ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm) Two USB 3.0, one USB 2.0 (optional external optical box or external I/O box occupies specific USB 2.0 on some models), ethernet (RJ-45), VGA, DisplayPort, one optional port (USB 2.0 / serial / 2nd DisplayPort / HDMI on some models) Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 2.0 port						Limited warranty ³	Some: 3-years, limited onsite service / service upgrades available Some: 3-years, limited onsite service, IWS (International Warranty Service ⁹) / service upgrades available <i>For Lenovo service upgrade options, please go to S-TC sheet</i>	
I/O box							Preload	Some: Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Some: Windows 7 Professional 64 Some: Windows 8.1 64-bit Some: Windows 8.1 Pro 64-bit	
Audio support	High Definition (HD) Audio, Realtek ALC233 / optional internal speaker (1.5 watt)						Environment	ENERGY STAR® 6.0; EPEAT™ Gold rating (U.S.) GREENGUARD®; RoHS-compliant; ErP Lot 3; UL Environment Gold; TUV; Cisco EnergyWise compatible	
WLAN ¹³	Some: 11b/g/n, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1 Some: 11b/g/n, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2 Some: 11ac/b/g/n, Broadcom BCM4352, dual band, Wi-Fi + BT 4.0 combo, 2x2 Some: 11b/g/n, Intel Centrino® Wireless-N 7260, Wi-Fi + BT 4.0 combo, 2x2 Some: 11ac/a/b/g/n, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo, 2x2						Accessories	For compatible accessories, please go to TC-AQP sheet	
Bluetooth™ Ethernet Modem	Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN® None								

See footnotes for more detailed information

ThinkCentre M83 Small Pro, Mini Tower

ThinkCentre®



Lenovo ThinkCentre M83 Mini Tower
with Lenovo ThinkVision Monitor



Lenovo ThinkCentre M83 Mini Tower
with optional WLAN and graphic card



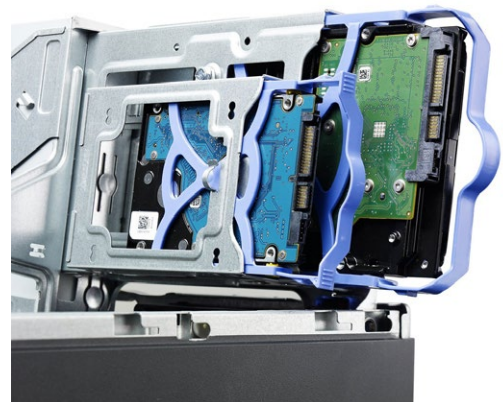
Lenovo ThinkCentre M83 Small Pro
with Lenovo ThinkVision Monitor



Lenovo ThinkCentre M83 Small Pro
with optional dual graphic cards
* Cable lock only available on some special bid
models



Lenovo ThinkCentre M83 Small Pro
(inside view)

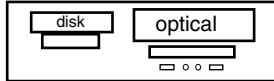


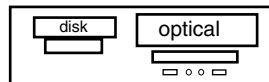
Optional 2.5" bay on
Lenovo ThinkCentre M83 Small Pro
* Come with optional 2.5" 2nd HDD

ThinkCentre M83 SFF Pro (10AM) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Pro-cessor	Memory ^a	SATA disk GB rpm	2nd disk	PCIe WLAN	Media reader	Graphics	Additional Front USB 2.0	2nd serial port	Parallel port	Chassis intrusion switch	Floor stand	ENERGY STAR 6.0	Preload	Ann date (mm/dd/yy)
10AM0002US	3x4	i5-4670	4GBx1	1TB 7200		None		HD 4600	USB	None	None	None	None	None	Win7 Pro64 (DG)	07/30/13
10AM0003US	3x4	i5-4570	4GBx1	500G 7200		None		HD 4600	None	None	None	None	None	None	Win7 Pro64 (DG)	07/30/13
10AM0004US	3x4	i7-4770	8GBx1	1TB 7200		Intel 105		GT 620	USB	Serial	Parallel	None	Stand	None	Win7 Pro64 (DG)	07/30/13
10AM0005US	3x4	i5-4570	8GBx1	1TB 7200		Intel 105		GT 620	USB	Serial	Parallel	None	Stand	None	Win7 Pro64 (DG)	07/30/13
10AM0006US	3x4	i7-4770	4GBx1	500G 7200		None		HD 4600	None	None	None	None	Stand	None	Win7 Pro64 (DG)	07/30/13
10AM0007US	3x4	i5-4570	4GBx1	500G 7200		None		HD 4600	None	None	None	None	Stand	None	Win7 Pro64 (DG)	07/30/13
10AM000AUS	3x4	i7-4770	4GBx1	1TB 7200		None		HD 4600	None	None	None	None	Stand	None	Win7 Pro64 (DG)	08/20/13
10AM000BUS	3x4	i5-4570	4GBx1	128G SSD	1TB	None	Media	HD 4600	None	None	None	None	Stand	None	Win7 Pro64 (DG)	08/20/13
10AM0009US	3x4	i3-4130	4GBx1	500G 7200		None		HD 4400	None	None	None	None	Stand	None	Win7 Pro64 (DG)	08/20/13
10AM000CUS	3x4	i3-4130	4GBx1	500G Hybrid		None		HD 4400	None	None	None	None	Stand	None	Win7 Pro64 (DG)	08/20/13

Positioning Processor	Mainstream enterprise stability and manageability Intel® Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4670 Processor (4 cores / 4 threads, 3.4GHz, 6MB cache), Turbo Boost 2.0 (3.8GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Intel Small Business Advantage• Nitro Pro
Implementation			
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets		
Graphics	Intel HD Graphics 4400 or 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support up to five independent monitors; <i>Maximum resolution:</i> 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking) <i>Some:</i> NVIDIA® GeForce® GT 620 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; <i>Max resolution:</i> 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz		
DP dongle	None		
Disk	<i>Some:</i> SATA 6.0Gb/s, 7200 rpm, 3.5" wide <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide		
2nd disk	<i>Some:</i> SATA 6.0Gb/s, 7200 rpm, 3.5" wide		
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset		
Onboard SATA	SATA cables match SATA devices (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)		
eSATA port	None		
Media reader	<i>Some:</i> 29-in-1 media reader, internal USB 2.0		
Chipset	Intel Q85 Express Chipset		
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Two USB 3.0, four USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)		
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1		
Bluetooth	None		
Audio	High Definition (HD) Audio, Realtek® ALC662 codec		
Speaker	Internal speaker for business audio (1 watt)		
IEEE 1394	None		
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®		
Manageability	Intel Standard Manageability		
Modem	None		
Security chip	Trusted Platform Module (TPM1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Floor Stand	Optional system floor stand for vertical orientation		
Power supply	240 watts, autosensing		
Machine	<ul style="list-style-type: none">• SFF Pro (12.9L), business black color; metal case• (WxDxH) 13.31" X 14.76" X 4.02"; 338mm X 375mm X 102mm• 17.20 lb (7.8 kg) in maximum configuration• Toolless cover removal, adapter retention• Toolless disk and optical drive removal		
Bay	Bay 1: 5.25", 1.6" high, external, std optical Bay 2: 3.5", 1" high, internal, std disk Bay 3: 2.5", N/A, internal, opt or come with opt 2.5" 2nd disk Bay 4: 3.5", 0.5" high, external, opt reader		
Slot	Slot 1: Low Profile, PCI Express 3.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x16 (x4 elec, 40w max)		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		Security <ul style="list-style-type: none">• Security chip (see information on left)• One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Serial port I/O control• Individual USB port disablement• Chassis intrusion switch on selected model(s) ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet



See footnotes for important warranty information

US model(s) announced July 30, 2013 or August 20, 2013

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(MSK1S-3) September 2013

Product Specifications Reference (PSREF)

Positioning Processor	<i>Mainstream enterprise stability and manageability</i> Intel® Pentium® G3220 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache) , Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache) , Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache) , Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4670 Processor (4 cores / 4 threads, 3.4GHz, 6MB cache) , Turbo Boost 2.0 (3.8GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache) , Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller	
Implementation	Processor in LGA1150 socket	
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets	
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support up to five independent monitors; <i>Max resolution: 2560x1600 (DP)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i> <i>Some: AMD Radeon™ HD 7450, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 25 watts;</i> <i>Max resolution: 2560x1600 (DisplayPort, DVI-I)@60Hz</i>	
DP dongle	None	
Disk	<i>Some: SATA 6.0Gb/s, 7200 rpm, 2.5" wide</i> <i>Some: SATA 6.0Gb/s, 7200 rpm, 3.5" wide</i> <i>Some: 1TB (7200 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 3.5" wide</i>	
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset	
Onboard SATA	SATA cables match SATA devices (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)	
eSATA port	None	
Media reader	None	
Chipset	Intel Q85 Express Chipset	
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Two USB 3.0, four USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	
PCIe WLAN	None	
Bluetooth	None	
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	
Speaker	Internal speaker for business audio (1 watt)	
IEEE 1394	None	
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®	
Manageability	Intel Standard Manageability	
Modem	None	
Security chip	Trusted Platform Module (TPM1.2-compliant)	
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo	
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Floor Stand	Optional system floor stand for vertical orientation	
Power supply	240 watts, autosensing	
Machine	<ul style="list-style-type: none">• SFF Pro (12.9L), business black color; metal case• (WxDxH) 13.31" X 14.76" X 4.02"; 338mm X 375mm X 102mm• 17.20 lb (7.8 kg) in maximum configuration• Toolless cover removal, adapter retention• Toolless disk and optical drive removal	
Bay	Bay 1: 5.25", 1.6" high, external, std optical Bay 2: 3.5", 1" high, internal, std disk Bay 3: 2.5", N/A, internal, opt or come with opt 2.5" 2nd disk Bay 4: 3.5", 0.5" high, external, opt reader	
Slot	Slot 1: Low Profile, PCI Express 3.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x16 (x4 elec, 40w max)	
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available	

disk

optical

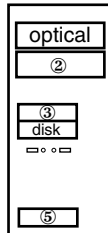
Preloaded operating system	
Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit	
Ready to install applications (only some listed)	
<ul style="list-style-type: none">• Rescue and Recovery™• Password Manager	
Preloaded applications (only some listed)	
<ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Intel Small Business Advantage• Nitro Pro	
Security	
<ul style="list-style-type: none">• Security chip (see information on left)• One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Serial port I/O control• Individual USB port disablement• Chassis intrusion switch on selected model(s)	
ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant	
Supports ThinkVantage Technologies	
For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet	

ThinkCentre M83 Mini Tower (10AL) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Additional Front USB 2.0	2nd serial port	Parallel port	Chassis intrusion switch	ENERGY STAR 6.0	Preload	Ann date (mm/dd/yy)
10AL0008US	3x5	i5-4670	4GBx1	1TB 7200	DVD±RW	None	None	HD 4600	USB	None	None	None	None	Win7 Pro64 (DG)	07/30/13
10AL0009US	3x5	i5-4570	4GBx1	500GB 7200	DVD±RW	None	None	HD 4600	None	None	None	None	None	Win7 Pro64 (DG)	07/30/13
10AL000AUS	3x5	i7-4770	4GBx1	500GB 7200	DVD±RW	None	None	HD 4600	USB	None	None	None	None	Win7 Pro64 (DG)	07/30/13
10AL000BUS	3x5	i5-4670	4GBx1	500GB 7200	DVD±RW	None	None	HD 4600	USB	None	None	None	None	Win7 Pro64 (DG)	07/30/13
10AL000CUS	3x5	i5-4670	4GBx2	1TB 7200	DVD±RW	None	None	HD 4600	USB	Serial	Parallel	None	None	Win7 Pro64 (DG)	07/30/13
10AL000DUS	3x5	i5-4670	4GBx1	500GB 7200	DVD±RW	None	None	HD 8470	USB	Serial	Parallel	None	None	Win7 Pro64 (DG)	07/30/13
10AL000EUS	3x5	i7-4770	4GBx2	1TB 7200	DVD±RW	None	None	GT 620	USB	Serial	Parallel	None	None	Win7 Pro64 (DG)	07/30/13
10AL000FUS	3x5	i7-4770	4GBx2	500GB 7200	DVD±RW	None	None	HD 8570	USB	Serial	Parallel	None	None	Win7 Pro64 (DG)	07/30/13
10AL000GUS	3x5	i7-4770	4GBx1	1TB 7200	DVD±RW	None	None	HD 4600	None	None	None	None	None	Win7 Pro64 (DG)	08/20/13

• Small and medium business (SMB) model(s), part of the US TopSeller™ Program

Positioning	Mainstream enterprise stability and manageability											Preloaded operating system			
Processor	Intel® Core™ i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4670 Processor (4 cores / 4 threads, 3.4GHz, 6MB cache), Turbo Boost 2.0 (3.8GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket											Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit			
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets											Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager			
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support up to five independent monitors; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i> <i>Some: AMD Radeon™ HD 8470, DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one VGA, one DisplayPort, 25 watts, Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz</i> <i>Some: AMD Radeon HD 8570, DirectX 11, 3D Hardware Acceleration, 2GB, PCI Express 3.0 x16 adapter (8x elec), one VGA, one HDMI, 40 watts; Max resolution: 4096x2160 (HDMI)@24Hz; 2048x1536 (VGA)@85Hz</i> <i>Some: NVIDIA® GeForce® GT 620, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz</i>											Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Intel Small Business Advantage• Nitro Pro			
DP dongle	None														
Disk	SATA 6.0Gb/s 7200 rpm, 3.5" wide														
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive														
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset														
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)														
eSATA port	None														
Media reader	None														
Chipset	Intel Q85 Express Chipset														
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)														
Rear ports	Two USB 3.0, four USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models														
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)														
PCIe WLAN	None														
Bluetooth	None														
Audio	High Definition (HD) Audio, Realtek® ALC662 codec														
Speaker	Internal speaker for business audio (1.5 watt)														
IEEE 1394	None														
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®														
Manageability	Intel Standard Manageability														
Modem	None														
Security chip	Trusted Platform Module (TPM1.2-compliant)											Security <ul style="list-style-type: none">• Security chip (see information on left)• One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Serial port I/O control• Individual USB port disablement• Chassis intrusion switch on selected model(s)			
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo														
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo														
Power supply	280 watts, autosensing														
Machine	<ul style="list-style-type: none">• Mini Tower (25L), business black color, metal case• (WxDxH) 6.89" X 17.41" X 16.32"; 175mm X 442.3mm X 414.5mm• 24.69 lb (11.20 kg) in maximum configuration• Toolless cover removal, adapter retention• Toolless disk, optical drive removal														
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk														
Slot	Slot 1: half-length, full-height, PCIe 3.0 x16 (75w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x16 (x4 elec, 75w max)														
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available														

Security
 • Security chip (see information on left)
 • One lock to secure both cover and entire system to fixed object:
 - Padlock loop (in rear for opt padlock)
 - Security slot (in rear for optional Kensington® MicroSaver® cable)
 • Power-on password
 • Administrator password
 • Hard disk password
 • Boot sequence control
 • Boot without keyboard and mouse
 • Serial port I/O control
 • Individual USB port disablement
 • Chassis intrusion switch on selected model(s)

ULE Gold
 Cisco EnergyWise compatible
 GREENGUARD® certified
 RoHS-compliant
 Supports ThinkVantage Technologies

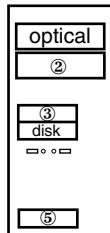
For compatible accessories, please go to TC-AQP sheet;
 For Lenovo service upgrade options, please go to S-TC sheet

ThinkCentre M83 Mini Tower (10AL) - TopSeller - II

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Additional Front USB 2.0	2nd serial port	Parallel port	Chassis intrusion switch	ENERGY STAR 6.0	Preload	Ann date (mm/dd/yy)
10AL000QUS	3x5	i5-4570	4GBx1	500GB 7200	DVD±RW	None	None	HD 7450	USB	None	None	None	None	Win7 P64 DG Win8.1	02/04/14
10AL000RUS	3x5	i7-4770	8GBx1	500GB 7200	DVD±RW	None	None	HD 7450	USB	None	None	None	None	Win7 P64 DG Win8.1	02/04/14
10AL000SUS	3x5	i7-4770	8GBx1	1TB 7200	DVD±RW	None	None	HD 7450	USB	None	None	None	None	Win7 P64 DG Win8.1	02/04/14
10AL000TUS	3x5	i7-4770	8GBx1	1TB Hybrid	DVD±RW	None	None	HD 7450	USB	None	None	None	None	Win7 P64 DG Win8.1	02/04/14
10AL000UUS	3x5	i5-4570	4GBx1	500GB 7200	DVD±RW	None	None	HD 4600	None	None	None	None	None	Win7 P64 DG Win8.1	02/25/14
10AL000VUS	3x5	i7-4770	4GBx1	1TB 7200	DVD±RW	None	None	HD 4600	None	None	None	None	None	Win7 P64 DG Win8.1	02/25/14

•Small and medium business (SMB) model(s), part of the US TopSeller™ Program

Positioning	Mainstream enterprise stability and manageability										Preloaded operating system								
Processor	Intel® Core™ i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller										Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit								
Implementation	Intel Core i7-4770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket										Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit								
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets										Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● Desktop Power Manager● View Management Utility● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Microsoft Office preloaded; purchase a product key to activate● Cyberlink PowerDVD (DVD±RW, DVD)● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Evernote● Intel AppUp● Intel Small Business Advantage● Nitro Pro								
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support up to five independent monitors; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking) Some: AMD Radeon™ HD 7450, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 25 watts; Max resolution: 2560x1600 (DisplayPort, DVI-I)@60Hz																		
DP dongle	None																		
Disk	Some: SATA 6.0Gb/s 7200 rpm, 3.5" wide Some: 1TB (7200 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 3.5" wide																		
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive										Security <ul style="list-style-type: none">● Security chip (see information on left)● One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● Serial port I/O control● Individual USB port disablement● Chassis intrusion switch on selected model(s)								
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset																		
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)																		
eSATA port	None																		
Media reader	None																		
Chipset	Intel Q85 Express Chipset																		
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)																		
Rear ports	Two USB 3.0, four USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models																		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)																		
PCIe WLAN	None																		
Bluetooth	None																		
Audio	High Definition (HD) Audio, Realtek® ALC662 codec																		
Speaker	Internal speaker for business audio (1.5 watt)																		
IEEE 1394	None																		
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®																		
Manageability	Intel Standard Manageability																		
Modem	None																		
Security chip	Trusted Platform Module (TPM1.2-compliant)																		
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo																		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo																		
Power supply	280 watts, autosensing																		
Machine	<ul style="list-style-type: none">● Mini Tower (25L), business black color, metal case● (WxDxH) 6.89" X 17.41" X 16.32"; 175mm X 442.3mm X 414.5mm● 24.69 lb (11.20 kg) in maximum configuration● Toolless cover removal, adapter retention● Toolless disk, optical drive removal																		
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk																		
Slot	Slot 1: half-length, full-height, PCIe 3.0 x16 (75w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x16 (x4 elec, 75w max)																		
																			
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available															ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet			

See footnotes for important warranty information

US model(s) announced February 4, 2014 or February 25, 2014

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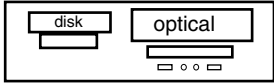
(MSK1T-6) February 2014

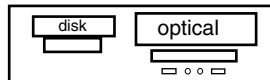
Product Specifications Reference (PSREF)

See footnotes for important warranty information

Type-model	Slot x bay	Pro-processor	Memory ⁸	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Additional Front USB 2.0	2nd serial port	Parallel port	Chassis intrusion switch	Floor stand	ENERGY STAR 6.0	Preload	Ann date (mm/dd/yy)
10AN0006US	3x4	i5-4570	4GBx1	500G 7200 DVD±RW	None	Reader	HD 8470	None	None	None	None	None	Stand	None	Win7 Pro64 (DG)	07/30/13
10AN000GUS	3x4	i5-4570	4GBx1	500G 7200 DVD±RW	None	None	HD 4600	USB	None	None	None	None	Stand	None	Win7 Pro64 (DG)	08/27/13
10AN000HUS	3x4	i7-4770	4GBx1	500G 7200 DVD±RW	None	None	HD 4600	USB	None	None	None	None	Stand	None	Win7 Pro64 (DG)	08/27/13
10AN000JUS	3x4	i7-4770	8GBx1	1TB 7200 DVD±RW	None	None	HD 4600	USB	None	None	None	None	Stand	None	Win7 Pro64 (DG)	08/27/13
10AN000KUS	3x4	i5-4570	8GBx1	1TB 7200 DVD±RW	None	None	HD 8570	USB	None	None	None	None	Stand	None	Win7 Pro64 (DG)	08/27/13
10AN000XUS	3x4	i3-4130	4GBx1	500G 7200 DVD±RW	None	None	HD 4400	USB	None	None	None	None	Stand	None	Win7 Pro64 (DG)	10/22/13
10AN000YUS	3x4	i3-4130	8GBx1	1TB Hybrid DVD±RW	None	None	HD 8570	USB	None	None	None	None	Stand	None	Win7 Pro64 (DG)	10/22/13

● 3-year limited warranty

Positioning Processor	Mainstream enterprise stability and manageability Intel® Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● Desktop Power Manager● View Management Utility● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Microsoft Office preloaded; purchase a product key to activate● Cyberlink PowerDVD (DVD±RW, DVD)● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Evernote● Intel AppUp● Intel Small Business Advantage● Nitro Pro
Implementation			
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets		
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support up to five independent monitors; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i> <i>Some: AMD Radeon™ HD 8470, DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one VGA, one DisplayPort, 25 watts, Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz</i> <i>Some: AMD Radeon HD 8570, DirectX 11, 3D Hardware Acceleration, 2GB, PCI Express 3.0 x16 adapter (8x elec), one VGA, one HDMI, 40 watts; Max resolution: 4096x2160 (HDMI)@24Hz; 2048x1536 (VGA)@85Hz</i>		
DP dongle	None		
Disk	<i>Some: SATA 6.0Gb/s 7200 rpm, 3.5" wide</i> <i>Some: 1TB (7200 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 3.5" wide</i>		
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset		
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)		
eSATA port	None		
Media reader	<i>Some: 29-in-1 media reader, internal USB 2.0</i>		
Chipset	Intel Q85 Express Chipset		
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Two USB 3.0, four USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)		
PCIe WLAN	None		
Bluetooth	None		
Audio	High Definition (HD) Audio, Realtek® ALC662 codec		
Speaker	Internal speaker for business audio (1 watt)		
IEEE 1394	None		
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®		
Manageability	Intel Standard Manageability		
Modem	None		
Security chip	Trusted Platform Module (TPM1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Floor Stand	Optional system floor stand for vertical orientation		
Power supply	240 watts, autosensing		
Machine	<ul style="list-style-type: none">● SFF Pro (12.9L), business black color; metal case● (WxDxH) 13.31" X 14.76" X 4.02"; 338mm X 375mm X 102mm● 17.20 lb (7.8 kg) in maximum configuration● Toolless cover removal, adapter retention● Toolless disk and optical drive removal		
Bay	Bay 1: 5.25", 1.6" high, external, std optical Bay 2: 3.5", 1" high, internal, std disk Bay 3: 2.5", N/A, internal, opt or come with opt 2.5" 2nd disk Bay 4: 3.5", 0.5" high, external, opt reader		
Slot	Slot 1: Low Profile, PCI Express 3.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x16 (x4 elec, 40w max)		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		



See footnotes for important warranty information

US model(s) announced July 30, 2013, August 27, 2013, or October 22, 2013

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(MSK1S-4) October 2013

Type-model	Slot x Pro-bay	Processor	Memory ⁸	SATA disk GB rpm	SATA optical	Optional 2.5" Bay	PCIe WLAN	Media reader	Graphics	Additional Front USB 2.0	2nd serial port	Chassis intrusion switch	Floor stand	Internal Speaker	ENERGY STAR 6.0	Preload	Ann date (mm/yy)
10AH000JUS	3x4	i5-4570	4GBx1	1TB 7200	DVD		Intel 105	None	HD 8470	USB	None	Switch	Stand	Speaker	ES6.0	Win7 Pro64	07/13
10AH0042US	3x4	i5-4570	4GBx1	500G 7200	DVD±RW	2.5" bay	None	None	HD 7450	USB	None	None	Stand	Speaker	ES6.0	Win7 P64 DG Win8.1	02/14
10AH006HUS	3x4	i5-4590	4GBx1	500G 7200	DVD±RW	2.5" bay	7260 b/g/n	None	HD 8570	None	None	None	None	Speaker	ES6.0	Win7 P64 DG Win8.1	10/14
10AH006JUS	3x4	i7-4790	8GBx1	1TB 7200	DVD±RW	2.5" bay	7260 b/g/n	None	HD 4600	None	None	None	None	None	ES6.0	Win7 P64 DG Win8.1	10/14
10AH006KUS	3x4	i7-4790	8GBx1	1TB 7200	DVD±RW	2.5" bay	7260 ac	None	GT 620	None	None	None	None	None	ES6.0	Win7 P64 DG Win8.1	10/14
10AH006BUS	3x4	i3-4150	4GBx1	500G 7200	DVD±RW	2.5" bay	None	None	HD 4400	None	None	None	None	Speaker	ES6.0	Win7 P64 DG Win8.1	10/14
10AH006DUS	3x4	i3-4150	8GBx1	256G SSD	DVD±RW	2.5" bay	7260 b/g/n	None	HD 4400	None	None	None	None	Speaker	ES6.0	Win7 P64 DG Win8.1	10/14
10AH006FUS	3x4	i5-4590	8GBx1	256G SSD	DVD±RW	2.5" bay	7260 b/g/n	None	HD 4600	None	None	None	None	Speaker	ES6.0	Win7 P64 DG Win8.1	10/14
10AH006EUS	3x4	i5-4590	4GBx1	500G 7200	DVD±RW	2.5" bay	None	None	HD 4600	None	None	None	None	Speaker	ES6.0	Win7 P64 DG Win8.1	10/14
10AH006CUS	3x4	i3-4150	4GBx1	1TB 7200	DVD±RW	2.5" bay	7260 b/g/n	None	HD 4400	None	None	None	None	Speaker	ES6.0	Win7 P64 DG Win8.1	10/14
10AH006GUS	3x4	i7-4790	4GBx1	500G 7200	DVD±RW	2.5" bay	7260 b/g/n	None	HD 4600	None	None	None	None	None	ES6.0	Win7 P64 DG Win8.1	10/14
Positioning Processor	Mainstream enterprise stability and manageability Intel® Core™ i3-4150 Processor (2 cores / 4 threads, 3.5GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller, Intel Core i5-4590 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4790 Processor (4 cores / 8 threads, 3.6GHz, 8MB cache), Turbo Boost 2.0 (4.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket													Preloaded operating system Some: Windows® 7 Professional 64 Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) • Rescue and Recovery™ • Password Manager Preloaded applications (only some listed) • ThinkVantage® Product Recovery • ThinkVantage System Update • ThinkVantage Communication Utility • Desktop Power Manager • View Management Utility • Lenovo Cloud Storage by SugarSync • Lenovo Solution Center • Lenovo Message Center Plus • Norton™ Internet Security (30 days of virus definitions) • Adobe® Reader® • Skype™ • Microsoft Office preloaded; purchase a product key to activate • Cyberlink Power2Go (DVD±RW, DVD) • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) • Evernote • Intel AppUp • Intel Small Business Advantage • Nitro Pro			
Implementation	Processor in LGA1150 socket																
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets																
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support up to five independent monitors; Max resolution: 2560x1600 (DP)@60Hz;1920x1200 (VGA)@60Hz (Reduced Blanking) Some: AMD Radeon HD 8570 , DirectX 11, 3D Hardware Acceleration, 2GB, PCI Express 3.0 x16 adapter (8x elec), one VGA, one HDMI, 40 watts; Max resolution: 4096x2160 (HDMI)@24Hz; 2048x1536 (VGA)@85Hz Some: NVIDIA® GeForce® GT 620 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz																
DP dongle	None																
Disk	Some: SATA 6.0Gb/s 7200 rpm, 3.5" wide Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide																
Optical	Some: DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive Some: Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive																
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset																
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)																
eSATA port	None																
Media reader	None																
Chipset	Intel Q85 Express Chipset																
Front ports	Two USB 3.0, two optional USB 2.0, mic (stereo, 3.5mm), headphone (stereo, 3.5mm)																
Rear ports	Two USB 3.0, four USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models																
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)																
PCle WLAN	Some: 11ac/a/b/g/n wireless, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo adapter, 2x2 Some: 11b/g/n, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + BT 4.0 combo, 2x2 Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter																
Bluetooth	High Definition (HD) Audio, Realtek® ALC662 codec																
Audio	Optional internal speaker for business audio (1 watt)																
Speaker	None																
IEEE 1394	None																
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®																
Manageability	Intel Standard Manageability																
Modem	None																
Security chip	Trusted Platform Module (TPM1.2-compliant)																
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo																
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo																
Floor Stand	Optional system floor stand for vertical orientation																
Power supply	240 watts, autosensing, 85% PSU																
Machine	• SFF Pro (12.9L), business black color; metal case • (WxDxH) 13.31" X 14.76" X 4.02"; 338mm X 375mm X 102mm • 17.20 lb (7.8 kg) in maximum configuration • Toolless cover removal, adapter retention • Toolless disk and optical drive removal																
Bay	Bay 1: 5.25", 1.6" high, external, std optical Bay 2: 3.5", 1" high, internal, std disk Bay 3: 2.5", N/A, internal, opt or come with opt 2.5" 2nd disk Bay 4: 3.5", 0.5" high, external, opt reader																
Slot	Slot 1: Low Profile, PCI Express 3.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x16 (x4 elec, 40w max)																
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available																

disk

optical

EPEAT™ Gold rating
ENERGY STAR® 6.0-compliant
ULE Gold
Cisco EnergyWise compatible
GREENGUARD® certified
RoHS-compliant

Supports ThinkVantage Technologies

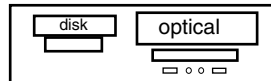
For compatible accessories, please go to TC-AQP sheet;
For Lenovo service upgrade options, please go to S-TC sheet

ThinkCentre M83 SFF Pro (10AH) - ES 6.0 (GMP)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Pro-processor	Memory ⁸	SATA disk GB rpm	SATA optical	PCIe WLAN	Graphics	Additional Front USB 2.0	2nd serial port	Chassis intrusion switch	Floor stand	ENERGY STAR 6.0	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10AH0015US	3x4	i5-4570	2GBx1	500G 3.5"	DVD	None	HD 4600	None	None	Switch	None	ES6.0	G P	Win7 Pro64	07/30/13
10AH0016US	3x4	i5-4570	4GBx1	500G 3.5"	DVD	None	HD 4600	USB	None	Switch	Stand	ES6.0	G P	Win7 Pro64 (DG)	07/30/13
10AH0017US	3x4	i5-4570	4GBx1	1TB 3.5"	DVD	Intel 105	HD 8470	USB	None	Switch	Stand	ES6.0	G P	Win7 Pro64 (DG)	07/30/13
10AH001HUS	3x4	i5-4570	4GBx1	500G 3.5"	DVD±RW	None	HD 4600	USB	None	Switch	Stand	ES6.0	G P	Win7 Pro64 (DG)	08/20/13
10AH001JUS	3x4	i5-4570	4GBx1	1TB 3.5"	DVD±RW	Intel 105	HD 8470	USB	None	Switch	Stand	ES6.0	G P	Win7 Pro64 (DG)	08/20/13
10AH0043US	3x4	i5-4570	2GBx1	500G 2.5"	DVD	None	HD 4600	None	None	Switch	None	ES6.0	G P	Win7 Pro64	03/11/14
10AH0054US	3x4	i5-4590	2GBx1	500G 2.5"	DVD	None	HD 4600	None	None	Switch	None	ES6.0	G P	Win7 Pro64	06/10/14
10AH005XUS	3x4	i5-4590	4GBx1	500G 3.5"	DVD±RW	None	HD 4600	USB	None	Switch	Stand	ES6.0	G P	Win7 P64 DG Win8.1	07/08/14
10AH005YUS	3x4	i5-4590	4GBx1	1TB 3.5"	DVD±RW	8723BE	GT 620	None	None	Switch	Stand	ES6.0	G P	Win7 P64 DG Win8.1	07/08/14

Positioning Processor	Mainstream enterprise stability and manageability Intel® Core™ i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket											Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit			
Implementation	Processor in LGA1150 socket											Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Intel Small Business Advantage• Nitro Pro			
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets														
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support up to five independent monitors; <i>Maximum resolution:</i> 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking) <i>Some:</i> AMD Radeon™ HD 8470 , DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one VGA, one DisplayPort, 25 watts, <i>Max resolution:</i> 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz <i>Some:</i> NVIDIA® GeForce® GT 620 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; <i>Max resolution:</i> 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz														
DP dongle	None														
Disk	<i>Some:</i> SATA 6.0Gb/s 7200 rpm, 2.5" wide <i>Some:</i> SATA 6.0Gb/s 7200 rpm, 3.5" wide														
Optical	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive <i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive														
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset														
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)														
eSATA port	None														
Media reader	None														
Chipset	Intel Q85 Express Chipset														
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)														
Rear ports	Two USB 3.0, four USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models														
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)														
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8723BE, Wi-Fi/BT 4.0, 1x1 <i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter														
Bluetooth	High Definition (HD) Audio, Realtek® ALC662 codec														
Audio	Internal speaker for business audio (1 watt)														
Speaker	None														
IEEE 1394	None														
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®														
Manageability	Intel Standard Manageability														
Modem	None														
Security chip	Trusted Platform Module (TPM1.2-compliant)														
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo														
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo														
Floor Stand	Optional system floor stand for vertical orientation														
Power supply	240 watts, autosensing, 85% PSU														
Machine	<ul style="list-style-type: none"> • SFF Pro (12.9L), business black color; metal case • (WxDxH) 13.31" X 14.76" X 4.02"; 338mm X 375mm X 102mm • 17.20 lb (7.8 kg) in maximum configuration • Toolless cover removal, adapter retention • Toolless disk and optical drive removal 														
Bay	Bay 1: 5.25", 1.6" high, external, std optical Bay 2: 3.5", 1" high, internal, std disk Bay 3: 2.5", N/A, internal, opt or come with opt 2.5" 2nd disk Bay 4: 3.5", 0.5" high, external, opt reader														
Slot	Slot 1: Low Profile, PCI Express 3.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x16 (x4 elec, 40w max)														
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available														



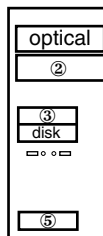
See footnotes for important warranty information

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(MSK1S-2) July 2014

ThinkCentre M83 Mini Tower (10AK)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Additional Front USB 2.0	2nd serial port	Chassis intrusion switch	ENERGY STAR 6.0	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10AK0004US	3x5	i5-4570	8GBx1	500GB 7200	DVD±RW	None	None	GT 620	USB	None	None	None	None	Win7 P64 DG Win8	07/30/13
10AK0005US	3x5	i5-4570	4GBx1	500GB 7200	DVD±RW	None	None	HD 4600	None	None	None	None	None	Win7 P64 DG Win8	07/30/13
10AK0006US	3x5	i7-4770	8GBx1	500GB 7200	DVD±RW	None	None	GT 620	USB	None	None	None	None	Win7 P64 DG Win8	07/30/13
10AK0007US	3x5	i7-4770	8GBx1	500GB 7200	DVD±RW	None	None	HD 4600	None	None	None	None	None	Win7 P64 DG Win8	07/30/13
10AK000LUS	3x5	i3-4130	4GBx1	500GB 7200	DVD±RW	None	None	HD 4400	USB	None	None	None	None	Win7 P64 DG Win8	10/22/13
10AK000MUS	3x5	i3-4130	8GBx1	1TB Hybrid	DVD±RW	None	None	HD 8570	USB	None	None	None	None	Win7 P64 DG Win8	10/22/13
10AK000QUS	3x5	i5-4570	4GBx1	500GB 7200	DVD±RW	None	None	HD 7450	USB	None	None	None	None	Win7 P64 DG Win8.1	02/04/14
Positioning	Mainstream enterprise stability and manageability											Preloaded operating system			
Processor	Intel® Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller, Intel Core i7-4770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller, Processor in LGA1150 socket											Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit			
Implementation	Processor in LGA1150 socket											Ready to install applications (only some listed)			
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets											• Rescue and Recovery™ • Password Manager			
Graphics	Intel HD Graphics 4400/4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support up to five independent monitors; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking) Some: NVIDIA® GeForce® GT 620, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz Some: AMD Radeon HD 8570, DirectX 11, 3D Hardware Acceleration, 2GB, PCI Express 3.0 x16 adapter (8x elec), one VGA, one HDMI, 40 watts; Max resolution: 4096x2160 (HDMI)@24Hz; 2048x1536 (VGA)@85Hz Some: AMD Radeon™ HD 7450, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 25 watts; Max resolution: 2560x1600 (DisplayPort, DVI-I)@60Hz											Preloaded applications (only some listed) • ThinkVantage® Product Recovery • ThinkVantage System Update • ThinkVantage Communication Utility • Desktop Power Manager • View Management Utility • Lenovo Cloud Storage by SugarSync • Lenovo Solution Center • Lenovo Message Center Plus • Norton™ Internet Security (30 days of virus definitions) • Adobe® Reader® • Skype™ • Microsoft Office preloaded; purchase a product key to activate • Cyberlink PowerDVD (DVD±RW, DVD) • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) • Evernote • Intel AppUp • Intel Small Business Advantage • Nitro Pro			
DP dongle	None														
Disk	Some: SATA 6.0Gb/s 7200 rpm, 3.5" wide Some: 1TB (7200 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 3.5" wide														
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive														
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset														
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)														
eSATA port	None														
Media reader	None														
Chipset	Intel Q85 Express Chipset														
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)														
Rear ports	Two USB 3.0, four USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models														
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)														
PCIe WLAN	None														
Bluetooth	None														
Audio	High Definition (HD) Audio, Realtek® ALC662 codec														
Speaker	Internal speaker for business audio (1.5 watt)														
IEEE 1394	None														
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®														
Manageability	Intel Standard Manageability														
Modem	None														
Security chip	Trusted Platform Module (TPM1.2-compliant)														
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo														
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo														
Power supply	280 watts, autosensing														
Machine	• Mini Tower (25L), business black color, metal case • (WxDxH) 6.89" X 17.41" X 16.32"; 175mm X 442.3mm X 414.5mm • 24.69 lb (11.20 kg) in maximum configuration • Toolless cover removal, adapter retention • Toolless disk, optical drive removal														
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk														
Slot	Slot 1: half-length, full-height, PCIe 3.0 x16 (75w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x16 (x4 elec, 75w max)														
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available														



See footnotes for important warranty information

US model(s) announced July 30, 2013, October 22, 2013, or February 4, 2014

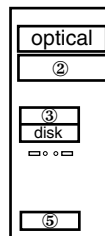
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(MSK1T-3) February 2014

ThinkCentre M83 Mini Tower (10AK) - II

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Additional Front USB 2.0	2nd serial port	Chassis intrusion switch	ENERGY STAR 6.0	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10AK0012US	3x5	i3-4150	4GBx1	500GB 7200	DVD±RW	None	None	HD 4400	None	None	None	None	None	Win7 P64 DG	Win8.1 10/14/14
10AK0013US	3x5	i3-4150	4GBx1	1TB 7200	DVD±RW	None	None	HD 4400	None	None	None	None	None	Win7 P64 DG	Win8.1 10/14/14
10AK0015US	3x5	i5-4590	4GBx1	500GB 7200	DVD±RW	None	None	HD 4600	None	None	None	None	None	Win7 P64 DG	Win8.1 10/14/14
10AK0016US	3x5	i5-4590	8GBx1	1TB 7200	DVD±RW	None	None	HD 4600	None	None	None	None	None	Win7 P64 DG	Win8.1 10/14/14
10AK0019US	3x5	i7-4790	8GBx1	1TB 7200	DVD±RW	None	None	HD 4600	None	None	None	None	None	Win7 P64 DG	Win8.1 10/14/14
10AK0017US	3x5	i5-4590	4GBx1	256G SSD	DVD±RW	None	None	HD 4600	None	None	None	None	None	Win7 P64 DG	Win8.1 10/14/14
10AK0018US	3x5	i7-4790	4GBx1	500GB 7200	DVD±RW	None	None	HD 4600	None	None	None	None	None	Win7 P64 DG	Win8.1 10/14/14
Positioning Processor	Mainstream enterprise stability and manageability Intel® Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller, Intel Core i7-4770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller, Processor in LGA1150 socket											Preloaded operating system <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit			
Implementation	Processor in LGA1150 socket											Ready to install applications (only some listed)			
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets											● Rescue and Recovery™ ● Password Manager			
Graphics	Intel HD Graphics 4400/4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support up to five independent monitors; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i> <i>Some: NVIDIA® Geforce® GT 620, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz</i> <i>Some: AMD Radeon HD 8570, DirectX 11, 3D Hardware Acceleration, 2GB, PCI Express 3.0 x16 adapter (8x elec), one VGA, one HDMI, 40 watts; Max resolution: 4096x2160 (HDMI)@24Hz; 2048x1536 (VGA)@85Hz</i> <i>Some: AMD Radeon™ HD 7450, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 25 watts; Max resolution: 2560x1600 (DisplayPort, DVI-I)@60Hz</i>											Preloaded applications (only some listed) ● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Communication Utility ● Desktop Power Manager ● View Management Utility ● Lenovo Cloud Storage by SugarSync ● Lenovo Solution Center ● Lenovo Message Center Plus ● Norton™ Internet Security (30 days of virus definitions) ● Adobe® Reader® ● Skype™ ● Microsoft Office preloaded; purchase a product key to activate ● Cyberlink PowerDVD (DVD±RW, DVD) ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Evernote ● Intel AppUp ● Intel Small Business Advantage ● Nitro Pro			
DP dongle	None											Security ● Security chip (see information on left) ● One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable) ● Power-on password ● Administrator password ● Hard disk password ● Boot sequence control ● Boot without keyboard and mouse ● Serial port I/O control ● Individual USB port disablement ● Chassis intrusion switch on selected model(s) ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet			
Disk	<i>Some:</i> SATA 6.0Gb/s 7200 rpm, 3.5" wide <i>Some:</i> 1TB (7200 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 3.5" wide														
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive														
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset														
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)														
eSATA port	None														
Media reader	None														
Chipset	Intel Q85 Express Chipset														
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)														
Rear ports	Two USB 3.0, four USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models														
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)														
PCIe WLAN	None														
Bluetooth	None														
Audio	High Definition (HD) Audio, Realtek® ALC662 codec														
Speaker	Internal speaker for business audio (1.5 watt)														
IEEE 1394	None														
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®														
Manageability	Intel Standard Manageability														
Modem	None														
Security chip	Trusted Platform Module (TPM1.2-compliant)														
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo														
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo														
Power supply	280 watts, autosensing														
Machine	● Mini Tower (25L), business black color, metal case ● (WxDxH) 6.89" X 17.41" X 16.32"; 175mm X 442.3mm X 414.5mm ● 24.69 lb (11.20 kg) in maximum configuration ● Toolless cover removal, adapter retention ● Toolless disk, optical drive removal														
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk														
Slot	Slot 1: half-length, full-height, PCIe 3.0 x16 (75w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x16 (x4 elec, 75w max)														
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available														



See footnotes for important warranty information

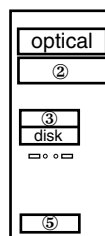
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ThinkCentre M83 Mini Tower (10AG) - ES 6.0

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Additional Front USB 2.0	2nd serial port	Chassis intrusion switch	ENERGY STAR 6.0 Global	Preload	Ann date (mm/dd/yy)
10AG0012US	3x5	i5-4570	4GBx1	500G 7200	DVD±RW	None	None	HD 7450	USB	None	None	ES6.0	None	Win7 P64 DG Win8.1 02/04/14
10AG001NUS	3x5	i5-4590	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	None	ES6.0	None	Win7 P64 DG Win8.1 10/14/14
10AG002BUS	3x5	i5-4590	8GBx1	256G SSD	DVD±RW	None	None	HD 4600	None	None	None	ES6.0	None	Win7 P64 DG Win8.1 10/14/14
10AG002AUS	3x5	i5-4590	4GBx1	1TB 7200	DVD±RW	None	None	HD 4600	None	None	None	ES6.0	None	Win7 P64 DG Win8.1 10/14/14
10AG0029US	3x5	i3-4150	4GBx1	500G 7200	DVD±RW	None	None	HD 7450	None	None	None	ES6.0	None	Win7 P64 DG Win8.1 10/14/14
10AG0026US	3x5	i7-4790	8GBx1	256G SSD	DVD±RW	None	None	HD 4600	None	None	None	ES6.0	None	Win7 P64 DG Win8.1 10/14/14
10AG0025US	3x5	i7-4790	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	None	ES6.0	None	Win7 P64 DG Win8.1 10/14/14
10AG0028US	3x5	i3-4150	4GBx1	1TB 7200	DVD±RW	None	None	HD 4400	None	None	None	ES6.0	None	Win7 P64 DG Win8.1 10/14/14
10AG0027US	3x5	i3-4150	4GBx1	500G 7200	DVD±RW	None	None	HD 4400	None	None	None	ES6.0	None	Win7 P64 DG Win8.1 10/14/14
10AG0024US	3x5	i7-4790	4GBx1	1TB 7200	DVD±RW	None	None	HD 4600	None	None	None	ES6.0	None	Win7 P64 DG Win8.1 10/14/14

Positioning Processor	Mainstream enterprise stability and manageability Intel® Core™ i3-4150 Processor (2 cores / 4 threads, 3.5GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4590 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4790 Processor (4 cores / 8 threads, 3.6GHz, 8MB cache), Turbo Boost 2.0 (4.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) ● Password Manager	
Implementation Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets		Preloaded applications (only some listed)	
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support up to five independent monitors; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i> <i>Some: AMD Radeon™ HD 7450, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 25 watts; Max resolution: 2560x1600 (DisplayPort, DVI-I)@60Hz</i>		● Lenovo Support ● Lenovo Companion ● Lenovo Cloud Storage by SugarSync ● Desktop Power Manager ● Norton™ Studio ● AccuWeather ● Evernote® ● Microsoft Office preloaded; purchase a product key to activate ● Cyberlink PowerDVD (DVD±RW, DVD) ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● ThinkVantage System Update ● Lenovo Solution Center ● Norton Internet Security (30 days of virus definitions) ● Skype™ ● Intel AppUp ● Intel Small Business Advantage ● Nitro Pro	
DP dongle	None			
Disk	SATA 6.0Gb/s 7200 rpm, 3.5" wide			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset			
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)			
eSATA port	None			
Media reader	None			
Chipset	Intel Q85 Express Chipset			
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Two USB 3.0, four USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)			
PCIe WLAN	None			
Bluetooth	None			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
Speaker	Internal speaker for business audio (1.5 watt)			
IEEE 1394	None			
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®			
Manageability	Intel Standard Manageability			
Modem	None			
Security chip	Trusted Platform Module (TPM1.2-compliant)			
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Power supply	280 watts, autosensing, 85% PSU			
Machine	● Mini Tower (25L), business black color, metal case ● (WxDxH) 6.89" X 17.41" X 16.32"; 175mm X 442.3mm X 414.5mm ● 24.69 lb (11.20 kg) in maximum configuration ● Toolless cover removal, adapter retention ● Toolless disk, optical drive removal			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk			
Slot	Slot 1: half-length, full-height, PCIe 3.0 x16 (75w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x16 (x4 elec, 75w max)			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available			



See footnotes for important warranty information

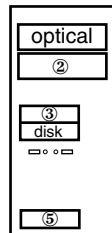
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ThinkCentre M83 Mini Tower (10AG) - ES 6.0 (Windows 8)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ⁸	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Additional Front Graphics	2nd serial port	Chassis intrusion switch	ENERGY STAR 6.0	Global	Preload	Ann date (mm/dd/yy)
10AG000CUS	3x5	i5-4570	4GBx1	1TB 7200	DVD	Intel 105	None	HD 8470	USB	None	Switch	ES6.0	None	Win8 Pro64 07/30/13

●3-year limited warranty

Positioning	Mainstream enterprise stability and manageability										Preloaded operating system			
Processor	Intel® Core™ i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1150 socket										Windows® 8 Pro 64-bit			
Implementation	Processor in LGA1150 socket										Ready to install applications (only some listed)			
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets										• Password Manager			
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support up to five independent monitors; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking) Some: AMD Radeon™ HD 8470, DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one VGA, one DisplayPort, 25 watts, Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz										Preloaded applications (only some listed)			
DP dongle	None										• Lenovo Support			
Disk	SATA 6.0Gb/s 7200 rpm, 3.5" wide										• Lenovo Companion			
Optical	DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive										• Lenovo Cloud Storage by SugarSync			
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset										• Desktop Power Manager			
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)										• Norton™ Studio			
eSATA port	None										• AccuWeather			
Media reader	None										• Evernote®			
Chipset	Intel Q85 Express Chipset										• Microsoft Office preloaded; purchase a product key to activate			
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)										• Cyberlink PowerDVD (DVD±RW, DVD)			
Rear ports	Two USB 3.0, four USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models										• Cyberlink Power2Go (DVD±RW)			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)										• Cyberlink PowerProducer (DVD±RW)			
PCIe WLAN	Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1										• ThinkVantage System Update			
Bluetooth	None										• Lenovo Solution Center			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec										• Norton Internet Security (30 days of virus definitions)			
Speaker	Internal speaker for business audio (1.5 watt)										• Skype™			
IEEE 1394	None										• Intel AppUp			
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®										• Intel Small Business Advantage			
Manageability	Intel Standard Manageability										• Nitro Pro			
Modem	None													
Security chip	Trusted Platform Module (TPM1.2-compliant)										Security			
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo										• Security chip (see information on left)			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo										• One lock to secure both cover and entire system to fixed object:			
Power supply	280 watts, autosensing, 85% PSU										-Padlock loop (in rear for opt padlock)			
Machine	• Mini Tower (25L), business black color, metal case • (WxDxH) 6.89" X 17.41" X 16.32"; 175mm X 442.3mm X 414.5mm • 24.69 lb (11.20 kg) in maximum configuration • Toolless cover removal, adapter retention • Toolless disk, optical drive removal										-Security slot (in rear for optional Kensington® MicroSaver® cable)			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk										• Power-on password			
Slot	Slot 1: half-length, full-height, PCIe 3.0 x16 (75w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x16 (x4 elec, 75w max)										• Administrator password			
														
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available										EPEAT™ Gold rating ENERGY STAR® 6.0-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant			
Supports ThinkVantage Technologies														
For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet														

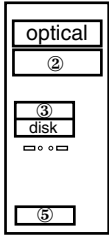
See footnotes for important warranty information
US model(s) announced July 30, 2013

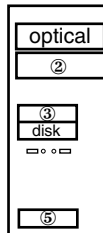
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(MSK1T-1) August 2013

ThinkCentre M83 Mini Tower (10AG) - ES 6.0 (GMP)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ⁸	SATA disk GB rpm	SATA optical	PCIe WLAN	Additional Front Graphics	2nd serial port	Chassis intrusion switch	Key-board	ENERGY STAR 6.0	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10AG000PUS	3x5	i5-4570	4GBx1	1TB 7200	DVD	Intel 105	HD 8470	USB	None	Switch	USB	ES6.0 G P	Win7 Pro64 (DG)	07/30/13
10AG000QUS	3x5	i5-4570	2GBx1	500GB 7200	DVD	None	HD 4600	None	None	Switch	USB	ES6.0 G P	Win7 Pro64	07/30/13
10AG000RUS	3x5	i5-4570	4GBx1	500GB 7200	DVD	None	HD 4600	USB	None	Switch	USB	ES6.0 G P	Win7 Pro64 (DG)	07/30/13
10AG000SUS	3x5	i5-4570	4GBx1	500GB 7200	DVD±RW	None	HD 4600	USB	None	Switch	Finger	ES6.0 G P	Win7 Pro64 (DG)	08/20/13
10AG000TUS	3x5	i5-4570	4GBx1	1TB 7200	DVD±RW	Intel 105	HD 8470	USB	None	Switch	USB	ES6.0 G P	Win7 Pro64 (DG)	08/20/13
10AG000UUS	3x5	i5-4570	4GBx1	500GB 7200	DVD±RW	None	HD 4600	USB	None	Switch	USB	ES6.0 G P	Win7 Pro64 (DG)	09/10/13
10AG001KUS	3x5	i5-4590	2GBx1	500GB 7200	DVD	None	HD 4600	None	None	Switch	USB	ES6.0 G P	Win7 Pro64	06/10/14
10AG001PUS	3x5	i5-4590	4GBx1	500GB 7200	DVD±RW	None	HD 4600	USB	None	Switch	USB	ES6.0 G P	Win7 P64 DG Win 8.1	07/08/14
10AG001QUS	3x5	i5-4590	4GBx1	1TB 7200	DVD±RW	8723BE	GT 620	None	None	Switch	USB	ES6.0 G P	Win7 P64 DG Win 8.1	07/08/14

Positioning	Mainstream enterprise stability and manageability		Preloaded operating system
Processor	Intel® Core™ i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		
Implementation	Processor in LGA1150 socket		
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets		
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support up to five independent monitors; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking) Some: AMD Radeon™ HD 8470, DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one VGA, one DisplayPort, 25 watts, Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz Some: NVIDIA® GeForce® GT 620, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz		Some: Windows® 7 Professional 64 Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit
DP dongle	None		
Disk	SATA 6.0Gb/s 7200 rpm, 3.5" wide		
Optical	Some: DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive Some: Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset		Ready to install applications (only some listed)
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)		
eSATA port	None		
Media reader	None		
Chipset	Intel Q85 Express Chipset		Preloaded applications (only some listed)
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Two USB 3.0, four USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)		
PCIe WLAN	Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 Some: 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8723BE, Wi-Fi/BT 4.0, 1x1 Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter		Security
Bluetooth	High Definition (HD) Audio, Realtek® ALC662 codec		
Audio	Internal speaker for business audio (1.5 watt)		
Speaker	None		
IEEE 1394	None		• Security chip (see information on left) • One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard and mouse • Serial port I/O control • Individual USB port disablement • Chassis intrusion switch on selected model(s)
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®		
Manageability	Intel Standard Manageability		
Modem	None		
Security chip	Trusted Platform Module (TPM1.2-compliant)		EPEAT™ Gold rating ENERGY STAR® 6.0-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant
Keyboard	Some: Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo Some: Lenovo USB Fingerprint Keyboard (USB connector)		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	280 watts, autosensing, 85% PSU		
Machine	• Mini Tower (25L), business black color, metal case • (WxDxH) 6.89" X 17.41" X 16.32"; 175mm X 442.3mm X 414.5mm • 24.69 lb (11.20 kg) in maximum configuration • Toolless cover removal, adapter retention • Toolless disk, optical drive removal		
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk		
Slot	Slot 1: half-length, full-height, PCIe 3.0 x16 (75w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x16 (x4 elec, 75w max)		
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		



See footnotes for important warranty information

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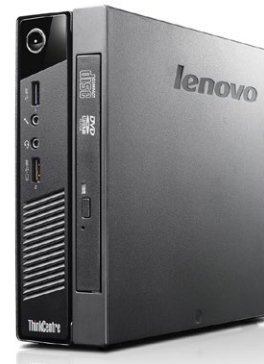
Lenovo ThinkCentre M93/M93p Tiny
with Lenovo ThinkVision Monitor



Lenovo ThinkCentre M93/M93p Tiny
with optional WLAN



Lenovo ThinkCentre M93/M93p Tiny
with optional external I/O box



Lenovo ThinkCentre M93/M93p Tiny
with optional external optical box



Lenovo ThinkCentre M93/M93p Tiny
(inside view)



Lenovo ThinkCentre M93/M93p Tiny

ThinkCentre M93/M93p Tiny, Small Pro, Mini Tower - II

ThinkCentre®



Lenovo ThinkCentre M93/M93p Mini Tower
with Lenovo ThinkVision Monitor



Lenovo ThinkCentre M93/M93p Mini Tower
with optional WLAN and graphic card



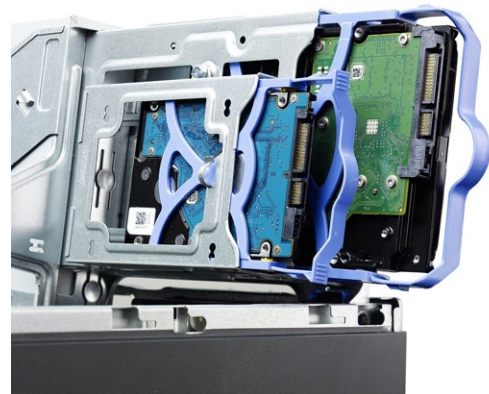
Lenovo ThinkCentre M93/M93p Small Pro
with Lenovo ThinkVision Monitor



Lenovo ThinkCentre M93/M93p Small Pro
with optional dual graphic cards
* Cable lock only available on some special bid
models



Lenovo ThinkCentre M93/M93p Small Pro
(inside view)



Optional 2.5" bay on
Lenovo ThinkCentre M93/M93p Small Pro
* Come with optional 2.5" 2nd HDD

ThinkCentre M93p Tiny (10AB) - TopSeller I

Product Specifications Reference (PSREF)

Type-model	Pro-processor	Memory ^a	SATA disk GB rpm	External optical / I/O box	Graphics	PCIe Mini Card WLAN / BT	Optional port	Chassis intrusion switch	Floor stand	VESA mount	Keyboard / mouse	Intel vPro	Preload	Ann date (mm/dd/yy)
10AB000DUS	i5-4570T	4GBx1	500G Hybrid	None	HD 4600	Intel 105	2nd DP	None	None	None	USB	vPro	Win7 Pro64 (DG)	07/02/13
10AB000EUS	i5-4570T	4GBx1	500G Hybrid DVD±RW	HD 4600	Intel 105	2nd DP	None	None	None	Mount	USB	vPro	Win7 Pro64 (DG)	07/02/13
10AB000FUS	i7-4765T	8GBx1	500G Hybrid DVD±RW	HD 4600	Intel 105	HDMI	None	None	None	Mount	USB	vPro	Win7 Pro64 (DG)	07/02/13
10AB000GUS	i7-4765T	4GBx2	180G SSD DVD±RW	HD 4600	Intel 6235	HDMI	None	None	None	Mount	USB	vPro	Win7 Pro64 (DG)	07/02/13
10AB000HUS	i7-4765T	4GBx1	500G Hybrid DVD±RW	HD 4600	Intel 105	HDMI	None	None	None	Mount	USB	vPro	Win7 Pro64 (DG)	07/02/13
10AB000JUS	i5-4570T	4GBx2	180G SSD DVD±RW	HD 4600	Intel 6235	HDMI	None	None	None	Mount	USB	vPro	Win7 Pro64 (DG)	07/02/13
10AB000KUS	i5-4570T	4GBx1	500G Hybrid DVD±RW	HD 4600	Intel 105	HDMI	None	None	None	Mount	USB	vPro	Win7 Pro64 (DG)	07/02/13
10AB000QUS	i7-4765T	4GBx1	500G Hybrid DVD±RW	HD 4600	Intel 2230	HDMI	None	None	None	Mount	USB	vPro	Win7 Pro64 (DG)	07/02/13
10AB000RUS	i5-4570T	4GBx1	500G Hybrid DVD±RW	HD 4600	Intel 2230	HDMI	None	None	None	Mount	USB	vPro	Win7 Pro64 (DG)	07/02/13

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- Small and medium business (SMB) model(s), part of the US TopSeller™ Program

Positioning	Ultimate security, stability, and manageability for the enterprise					Preloaded operating system				
Processor	Intel® Core™ i5-4570T Processor (2 cores / 4 threads, 2.9GHz, 4MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i7-4765T Processor (4 cores / 8 threads, 2.0GHz, 8MB cache), Turbo Boost 2.0 (3.0GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1150 socket					Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager				
Implementation	Processor in LGA1150 socket					Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Intel Small Business Advantage• Nitro Pro				
Memory	16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)									
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, one optional HDMI or one optional 2nd DisplayPort on select models, supports up to triple independent display; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1080 (HDMI)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)									
DP dongle	None									
Disk	Some: 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide									
External optical	Some: external optical box with slim DVD burner, 12.7mm high, tray-in, via USB 3.0									
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset									
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar									
eSATA port	None									
Chipset	Intel Q87 Express Chipset									
Front ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)									
Rear ports	Three USB 3.0 (optional external optical box or external I/O box occupies one specific USB 3.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / 2nd DisplayPort / HDMI on selected models)									
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 3.0 port									
PCIe Mini Card	One PCI Express® Mini Card slot (Half Size)									
PCIe WLAN	Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 Some: 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino Advanced-N 6235, Wi-Fi + Bluetooth combo adapter, 2x2									
Bluetooth	Some: Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter									
Audio	High Definition (HD) Audio, Realtek® ALC283 codec									
Speaker	Internal speaker for business audio (1.5 watt)									
IEEE 1394	None									
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®									
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)									
Modem	None									
Security chip	Trusted Platform Module (TPM1.2-compliant)									
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo									
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo									
Floor Stand	Optional system floor stand for vertical orientation									
VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm mount standard									
Power supply	65 watts AC/DC adapter, autosensing, 88% PSU									
Machine	<ul style="list-style-type: none">• Tiny (1L), business black color; metal case• M93/p Tiny only: 7.0" W X 7.2" D X 1.4" H• M93/p Tiny only: 179mm W X 182mm D X 34.5mm H• M93/p Tiny only: 2.9 lb (1.3 kg), weight may vary by configuration• With VESA mount & optical box: 7.2" W X 7.2" D X 2.55" H• With VESA mount & optical box: 184mm W X 182mm D X 65mm H• With VESA mount & optical box: 5.1 lb (2.3 kg), weight may vary by configuration									
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available					EPEAT™ Gold rating ENERGY STAR® 6.0-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet				

See footnotes for important warranty information
 US model(s) announced July 2, 2013

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ThinkCentre M93p Tiny (10AB) - TopSeller II

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical / I/O box	Graphics	PCIe Mini Card WLAN / BT	Optional port	Chassis intrusion switch	Floor stand	VESA mount	Keyboard / mouse	Intel vPro	Preload	Ann date (mm/dd/yy)
10AB000SUS	i7-4765T	4GBx1	500G Hybrid	I/O box	HD 4600	Intel 105	HDMI	None	None	Mount	USB	vPro	Win7 Pro64 (DG)	07/02/13
10AB000TUS	i5-4570T	4GBx1	500G Hybrid	I/O box	HD 4600	Intel 105	HDMI	None	None	Mount	USB	vPro	Win7 Pro64 (DG)	07/02/13
10AB000UUS	i5-4570T	4GBx1	500G Hybrid	I/O box	HD 4600	None	None	None	None	Mount	USB	vPro	Win7 Pro64 (DG)	07/02/13
10AB0010US	i5-4570T	4GBx1	500G 7200	None	HD 4600	Intel 105	2nd DP	None	Stand	None	USB	vPro	Win7 Pro64 (DG)	07/02/13
10AB0011US	i7-4765T	8GBx1	128G SSD	DVD±RW	HD 4600	Intel 6235	HDMI	None	None	Mount	USB	vPro	Win7 Pro64 (DG)	07/02/13
10AB0012US	i7-4765T	4GBx1	128G SSD	DVD±RW	HD 4600	Intel 2230	HDMI	None	None	Mount	USB	vPro	Win7 Pro64 (DG)	07/02/13
10AB0013US	i5-4570T	4GBx1	500G 7200	DVD±RW	HD 4600	Intel 105	2nd DP	None	None	Mount	USB	vPro	Win7 Pro64 (DG)	07/02/13
10AB0014US	i5-4570T	4GBx1	500G 7200	I/O box	HD 4600	Intel 105	2nd DP	None	None	Mount	USB	vPro	Win7 Pro64 (DG)	07/02/13
10AB0015US	i5-4570T	4GBx1	500G 7200	DVD±RW	HD 4600	Intel 2230	2nd DP	None	None	Mount	USB	vPro	Win7 Pro64 (DG)	07/02/13
10AB0016US	i5-4570T	4GBx1	500G 7200	None	HD 4600	Intel 105	Serial	None	Stand	None	USB	vPro	Win7 Pro64 (DG)	07/02/13
10AB002AUS	i5-4570T	4GBx1	128G SSD	None	HD 4600	Intel 2230	2nd DP	None	Stand	None	USB	vPro	Win7 Pro64 (DG)	12/10/13

Positioning Processor	Ultimate security, stability, and manageability for the enterprise Intel® Core™ i5-4570T Processor (2 cores / 4 threads, 2.9GHz, 4MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i7-4765T Processor (4 cores / 8 threads, 2.0GHz, 8MB cache), Turbo Boost 2.0 (3.0GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1150 socket		Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Intel Small Business Advantage• Nitro Pro
Implementation	Processor in LGA1150 socket		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, one optional HDMI or one optional 2nd DisplayPort on select models, supports up to triple independent display; <i>Maximum resolution:</i> 2560x1600 (DisplayPort)@60Hz; 1920x1080 (HDMI)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)		
DP dongle	None		
Disk	<i>Some:</i> SATA 6.0Gb/s, 2.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide		
External optical	<i>Some:</i> external optical box with slim DVD burner, 12.7mm high, tray-in, via USB 3.0		
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset		
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar		
eSATA port	None		
Chipset	Intel Q87 Express Chipset		
Front ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)		
Rear ports	Three USB 3.0 (optional external optical box or external I/O box occupies one specific USB 3.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / 2nd DisplayPort / HDMI on selected models)		
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 3.0 port		
PCIe Mini Card	One PCI Express® Mini Card slot (Half Size)		
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino Advanced-N 6235, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter		
Audio	High Definition (HD) Audio, Realtek® ALC283 codec		
Speaker	Internal speaker for business audio (1.5 watt)		
IEEE 1394	None		
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®		
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)		
Modem	None		
Security chip	Trusted Platform Module (TPM1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Floor Stand	Optional system floor stand for vertical orientation		
VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm mount standard		
Power supply	65 watts AC/DC adapter, autosensing, 88% PSU		
Machine	<ul style="list-style-type: none">• Tiny (1L), business black color; metal case• <i>M93/p Tiny only:</i> 7.0" W X 7.2" D X 1.4" H• <i>M93/p Tiny only:</i> 179mm W X 182mm D X 34.5mm H• <i>M93/p Tiny only:</i> 2.9 lb (1.3 kg), weight may vary by configuration• <i>With VESA mount & optical box:</i> 7.2" W X 7.2" D X 2.55" H• <i>With VESA mount & optical box:</i> 184mm W X 182mm D X 65mm H• <i>With VESA mount & optical box:</i> 5.1 lb (2.3 kg), weight may vary by configuration		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		

See footnotes for important warranty information

US model(s) announced July 2, 2013 or December 10, 2013

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(MSS1N-2) December 2013

ThinkCentre M93p Tiny (10AB) - TopSeller III

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical / I/O box	Graphics	PCIe WLAN	Optional port	Chassis intrusion switch	Floor stand	VESA	Keyboard mount / mouse	Intel vPro	Preload	Ann date (mm/dd/yy)
10AB002TUS	i7-4765T	4GBx1	500G 7200	None	HD 4600	7260 ac	HDMI	None	Stand	None	USB	vPro	Win7 P64 DG Win8.1	01/14/14
10AB002VUS	i5-4570T	4GBx1	500G 7200	None	HD 4600	7260 bn	2nd DP	None	Stand	None	USB	vPro	Win7 P64 DG Win8.1	01/14/14
10AB002WUS	i7-4765T	8GBx1	128G SSD	None	HD 4600	7260 ac	2nd DP	None	Stand	None	USB	vPro	Win7 P64 DG Win8.1	01/14/14
10AB002UUS	i5-4570T	4GBx1	500G 7200	None	HD 4600	7260 ac	HDMI	None	Stand	None	USB	vPro	Win7 P64 DG Win8.1	01/14/14
10AB002XUS	i5-4570T	4GBx1	500G Hybrid	DVD±RW	HD 4600	7260 bn	2nd DP	None	None	Mount	USB	vPro	Win7 P64 DG Win8.1	02/25/14
10AB002YUS	i7-4765T	4GBx1	500G Hybrid	DVD±RW	HD 4600	7260 bn	2nd DP	None	None	Mount	USB	vPro	Win7 P64 DG Win8.1	02/25/14
10AB0030US	i7-4765T	8GBx1	128G SSD	DVD±RW	HD 4600	7260 ac	2nd DP	None	None	Mount	USB	vPro	Win7 P64 DG Win8.1	02/25/14
10AB003JUS	i7-4765T	8GBx1	256G SSD OPAL	None	HD 4600	7260 ac	2nd DP	None	Stand	None	USB	vPro	Win7 P64 DG Win8.1	06/17/14
10AB003KUS	i5-4570T	4GBx1	256G SSD OPAL	None	HD 4600	7260 ac	2nd DP	None	Stand	None	USB	vPro	Win7 P64 DG Win8.1	06/17/14

●Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology

Positioning	Ultimate security, stability, and manageability for the enterprise		Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit
Processor	Intel® Core™ i5-4570T Processor (2 cores / 4 threads, 2.9GHz, 4MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4765T Processor (4 cores / 8 threads, 2.0GHz, 8MB cache), Turbo Boost 2.0 (3.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		
Implementation			
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, one optional HDMI or one optional 2nd DisplayPort on select models, supports up to triple independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1080 (HDMI)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i>		Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● Desktop Power Manager● View Management Utility● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Microsoft Office preloaded; purchase a product key to activate● Cyberlink PowerDVD (DVD±RW, DVD)● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Evernote● Intel AppUp● Intel Small Business Advantage● Nitro Pro
DP dongle	None		
Disk	<i>Some:</i> SATA 6.0Gb/s, 2.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide <i>Some:</i> external optical box with slim DVD burner, 12.7mm high, tray-in, via USB 3.0		
External optical	Serial ATA, SATA 6.0Gb/s support, integrated in chipset		Security <ul style="list-style-type: none">● Security chip (see information on left)● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● Individual USB port disablement● <i>Chassis intrusion switch on selected model(s)</i> EPEAT™ Gold rating ENERGY STAR® 6.0-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet
SATA controller	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar		
Onboard SATA	None		
eSATA port	Intel Q87 Express Chipset		
Chipset	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)		
Front ports	Three USB 3.0 (optional external optical box or external I/O box occupies one specific USB 3.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / 2nd DisplayPort / HDMI on selected models)		
Rear ports	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 3.0 port		
I/O box	One PCI Express® Mini Card slot (Half Size)		
PCIe Mini Card	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11ac/a/b/g/n wireless, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo adapter, 2x2		
PCIe WLAN	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter		
Bluetooth	High Definition (HD) Audio, Realtek® ALC283 codec		
Audio	Internal speaker for business audio (1.5 watt)		
Speaker	None		
IEEE 1394	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®		
Ethernet	Intel Active Management Technology 9.0 (Intel AMT 9.0)		
Intel AMT	None		
Modem	Trusted Platform Module (TPM1.2-compliant)		
Security chip	Preferred Pro USB Keyboard (USB connector), Lenovo® logo		
Keyboard	Enhanced Optical USB Mouse, black, Lenovo logo		
Mouse	Optional system floor stand for vertical orientation		
Floor Stand	Optional VESA mount bracket kit, supports VESA 75mm and 100mm mount standard		
VESA mount	65 watts AC/DC adapter, autosensing, 88% PSU		
Power supply	<ul style="list-style-type: none">● Tiny (1L), business black color; metal case● <i>M93/p Tiny only:</i> 7.0" W X 7.2" D X 1.4" H● <i>M93/p Tiny only:</i> 179mm W X 182mm D X 34.5mm H● <i>M93/p Tiny only:</i> 2.9 lb (1.3 kg), weight may vary by configuration● <i>With VESA mount & optical box:</i> 7.2" W X 7.2" D X 2.55" H● <i>With VESA mount & optical box:</i> 184mm W X 182mm D X 65mm H● <i>With VESA mount & optical box:</i> 5.1 lb (2.3 kg), weight may vary by configuration		
Machine			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		

See footnotes for important warranty information

US model(s) announced January 14 or February 25, 2014

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(MSS1N-8) February 2014

ThinkCentre M93p Tiny (10AB) - TopSeller IV

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical / I/O box	Graphics	PCIe WLAN	Optional port	Chassis intrusion switch	Floor stand	VESA	Keyboard mount / mouse	Intel vPro	Preload	Ann date (mm/dd/yy)
10AB004AUS	I5-4590T	4GBx1	500G 7200	None	HD 4600	7260 b/g/n	None	None	Stand	None	USB	vPro	Win7 P64 DG Win8.1	10/28/14
10AB004CUS	I5-4590T	4GBx1	500G 7200	None	HD 4600	7260 ac	2nd DP	None	Stand	None	USB	vPro	Win7 P64 DG Win8.1	10/28/14
10AB004MUS	I7-4785T	4GBx1	180G SSD	None	HD 4600	7260 b/g/n	USB	None	Stand	None	USB	vPro	Win7 P64 DG Win8.1	10/28/14
10AB004EUS	I5-4590T	4GBx1	180G SSD	None	HD 4600	7260 b/g/n	Serial	None	Stand	None	USB	vPro	Win7 P64 DG Win8.1	10/28/14
10AB004DUS	I5-4590T	8GBx1	256G SSD	None	HD 4600	7260 ac	2nd DP	None	Stand	None	USB	vPro	Win7 P64 DG Win8.1	10/28/14
10AB004QUS	I7-4785T	4GBx1	180G SSD	None	HD 4600	7260 b/g/n	2nd DP	None	Stand	None	USB	vPro	Win7 P64 DG Win8.1	10/28/14
10AB004NUS	I7-4785T	8GBx1	256G SSD	None	HD 4600	7260 b/g/n	2nd DP	None	Stand	None	USB	vPro	Win7 P64 DG Win8.1	10/28/14
10AB004KUS	I5-4590T	4GBx1	500G 7200	None	HD 4600	7260 b/g/n	USB	None	Stand	None	USB	vPro	Win7 P64 DG Win8.1	10/28/14
10AB004FUS	I5-4590T	4GBx1	180G SSD	None	HD 4600	7260 b/g/n	Serial	None	Mount	None	USB	vPro	Win7 P64 DG Win8.1	10/28/14
10AB004LUS	I7-4785T	4GBx1	500G 7200	None	HD 4600	7260 b/g/n	USB	None	Stand	None	USB	vPro	Win7 P64 DG Win8.1	10/28/14

•Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology

Positioning Processor	Ultimate security, stability, and manageability for the enterprise Intel® Core i5-4590T Processor (4 cores / 4 threads, 2.0GHz, 6MB cache), Turbo Boost 2.0 (3.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4785T Processor (4 cores / 8 threads, 2.2GHz, 8MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit
Implementation	Processor in LGA1150 socket		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX™ 11, one VGA, one DisplayPort™, one optional HDMI or one optional 2nd DisplayPort on select models, supports up to triple independent display; <i>Maximum resolution:</i> 2560x1600 (DisplayPort)@60Hz; 1920x1080 (HDMI)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)		
DP dongle	None		Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Intel Small Business Advantage• Nitro Pro
Disk	<i>Some:</i> SATA 6.0Gb/s, 2.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide		
External optical	<i>Some:</i> external optical box with slim DVD burner, 12.7mm high, tray-in, via USB 3.0		
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset		
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar		
eSATA port	None		
Chipset	Intel Q87 Express Chipset		
Front ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)		
Rear ports	Three USB 3.0 (optional external optical box or external I/O box occupies one specific USB 3.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / 2nd DisplayPort / HDMI on selected models)		
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 3.0 port		
PCIe Mini Card	One PCI Express® Mini Card slot (Half Size)		
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11ac/a/b/g/n wireless, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo adapter, 2x2		
Bluetooth	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter		
Audio	High Definition (HD) Audio, Realtek® ALC283 codec		
Speaker	Internal speaker for business audio (1.5 watt)		
IEEE 1394	None		
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®		
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)		
Modem	None		
Security chip	Trusted Platform Module (TPM1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Floor Stand	Optional system floor stand for vertical orientation		
VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm mount standard		
Power supply	65 watts AC/DC adapter, autosensing, 88% PSU		
Machine	<ul style="list-style-type: none">• Tiny (1L), business black color; metal case• <i>M93/p Tiny only:</i> 7.0" W X 7.2" D X 1.4" H• <i>M93/p Tiny only:</i> 179mm W X 182mm D X 34.5mm H• <i>M93/p Tiny only:</i> 2.9 lb (1.3 kg), weight may vary by configuration• <i>With VESA mount & optical box:</i> 7.2" W X 7.2" D X 2.55" H• <i>With VESA mount & optical box:</i> 184mm W X 182mm D X 65mm H• <i>With VESA mount & optical box:</i> 5.1 lb (2.3 kg), weight may vary by configuration		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		

See footnotes for important warranty information

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(MSS1N-10) October 2014

ThinkCentre M93p Tiny (10AB) - TopSeller V

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical / I/O box	Graphics	PCIe WLAN	Optional port	Chassis intrusion switch	Floor stand	VESA mount	Keyboard / mouse	Intel vPro	Preload	Ann date (mm/dd/yy)
10AB004TUS	I7-4785T	4GBx1	256G SSD	None	HD 4600	7260 b/g/n	2nd DP	None	None	Mount	USB	vPro	Win7 P64 DG Win8.1	10/28/14
10AB004RUS	I7-4785T	4GBx1	180G SSD	None	HD 4600	7260 b/g/n	HDMI	None	Stand	None	USB	vPro	Win7 P64 DG Win8.1	10/28/14
10AB004SUS	I7-4785T	4GBx1	256G SSD	None	HD 4600	7260 b/g/n	HDMI	None	None	Mount	USB	vPro	Win7 P64 DG Win8.1	10/28/14
10AB004HUS	I5-4590T	4GBx1	500G 7200	None	HD 4600	7260 b/g/n	Serial	None	Stand	None	USB	vPro	Win7 P64 DG Win8.1	10/28/14
10AB004PUS	I7-4785T	4GBx1	180G SSD	None	HD 4600	7260 b/g/n	Serial	None	Stand	None	USB	vPro	Win7 P64 DG Win8.1	10/28/14
10AB004UUS	I7-4785T	8GBx1	180G SSD	None	HD 4600	7260 b/g/n	USB	None	None	Mount	USB	vPro	Win7 P64 DG Win8.1	10/28/14
10AB004JUS	I5-4590T	4GBx1	500G 7200	None	HD 4600	7260 b/g/n	HDMI	None	Stand	None	USB	vPro	Win7 P64 DG Win8.1	10/28/14
10AB004BUS	I5-4590T	4GBx1	500G 7200	None	HD 4600	7260 b/g/n	2nd DP	None	Stand	None	USB	vPro	Win7 P64 DG Win8.1	10/28/14
10AB004GUS	I5-4590T	4GBx1	500G 7200	None	HD 4600	7260 b/g/n	Serial	None	None	Mount	USB	vPro	Win7 P64 DG Win8.1	10/28/14

●Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology

Positioning	Ultimate security, stability, and manageability for the enterprise										Preloaded operating system			
Processor	Intel® Core i5-4590T Processor (4 cores / 4 threads, 2.0GHz, 6MB cache), Turbo Boost 2.0 (3.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4785T Processor (4 cores / 8 threads, 2.2GHz, 8MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller										Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit			
Implementation	Processor in LGA1150 socket										Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit			
Memory	16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)										Ready to install applications (only some listed)			
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, one optional HDMI or one optional 2nd DisplayPort on select models, supports up to triple independent display; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1080 (HDMI) @60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)										● Rescue and Recovery™ ● Password Manager			
DP dongle	None										Preloaded applications (only some listed)			
Disk	Some: SATA 6.0Gb/s, 2.5" Wide, 7200 rpm Some: 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide										● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Communication Utility ● Desktop Power Manager ● View Management Utility ● Lenovo Cloud Storage by SugarSync ● Lenovo Solution Center ● Lenovo Message Center Plus ● Norton™ Internet Security (30 days of virus definitions) ● Adobe® Reader® ● Skype™ ● Microsoft Office preloaded; purchase a product key to activate			
External optical	Some: external optical box with slim DVD burner, 12.7mm high, tray-in, via USB 3.0										● Cyberlink PowerDVD (DVD±RW, DVD)			
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset										● Cyberlink Power2Go (DVD±RW)			
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar										● Cyberlink PowerProducer (DVD±RW)			
eSATA port	None										● Evernote			
Chipset	Intel Q87 Express Chipset										● Intel AppUp			
Front ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)										● Intel Small Business Advantage			
Rear ports	Three USB 3.0 (optional external optical box or external I/O box occupies one specific USB 3.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / 2nd DisplayPort / HDMI on selected models)										● Nitro Pro			
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 3.0 port													
PCIe Mini Card	One PCI Express® Mini Card slot (Half Size)													
PCIe WLAN	Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2 Some: 11ac/a/b/g/n wireless, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo adapter, 2x2													
Bluetooth	Some: Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter										Security			
Audio	High Definition (HD) Audio, Realtek® ALC283 codec										● Security chip (see information on left)			
Speaker	Internal speaker for business audio (1.5 watt)										● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)			
IEEE 1394	None										● Power-on password			
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®										● Administrator password			
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)										● Hard disk password			
Modem	None										● Boot sequence control			
Security chip	Trusted Platform Module (TPM1.2-compliant)										● Boot without keyboard and mouse			
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo										● Individual USB port disablement			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo										● Chassis intrusion switch on selected model(s)			
Floor Stand	Optional system floor stand for vertical orientation										EPEAT™ Gold rating			
VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm mount standard										ENERGY STAR® 6.0-compliant			
Power supply	65 watts AC/DC adapter, autosensing, 88% PSU										ULE Gold			
Machine	● Tiny (1L), business black color; metal case ● M93/p Tiny only: 7.0" W X 7.2" D X 1.4" H ● M93/p Tiny only: 179mm W X 182mm D X 34.5mm H ● M93/p Tiny only: 2.9 lb (1.3 kg), weight may vary by configuration ● With VESA mount & optical box: 7.2" W X 7.2" D X 2.55" H ● With VESA mount & optical box: 184mm W X 182mm D X 65mm H ● With VESA mount & optical box: 5.1 lb (2.3 kg), weight may vary by configuration										Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant			
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available										Supports ThinkVantage Technologies			
											For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet			

See footnotes for important warranty information

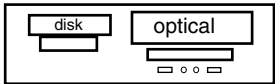
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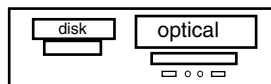
ThinkCentre M93p SFF Pro (10A9) - TopSeller - I

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Pro-processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Graphics	Additional Front USB 2.0	2nd serial port	Parallel port	Chassis intrusion switch	Floor stand	Intel vPro	Preload	Ann date (mm/dd/yy)
10A9000HUS	4x4	i5-4570	4GBx1	500G 7200	DVD±RW	None	HD 4600	None	None	None	None	None	vPro	Win7 Pro64 (DG)	06/18/13
10A9000JUS	4x4	i5-4670	4GBx1	500G Hybrid	DVD±RW	None	HD 4600	USB	None	None	None	None	vPro	Win7 Pro64 (DG)	06/18/13
10A9000KUS	4x4	i7-4770	4GBx1	1TB 7200	DVD±RW	None	GT 620	USB	None	None	None	None	vPro	Win7 Pro64 (DG)	06/18/13
10A9000LUS	4x4	i7-4770	8GBx1	500G Hybrid	DVD±RW	None	GT 620	None	None	None	None	None	vPro	Win7 Pro64 (DG)	06/18/13
10A9000MUS	4x4	i7-4770	4GBx2	500G Hybrid	DVD±RW	None	GT 620	USB	Serial	None	None	Stand	vPro	Win7 Pro64 (DG)	06/18/13
10A90014US	4x4	i7-4770	8GBx1	1TB 7200	DVD±RW	105	GT 620	USB	Serial	Parallel	None	Stand	vPro	Win7 Pro64 (DG)	08/13/13

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- Small and medium business (SMB) model(s), part of the US TopSeller™ Program

Positioning Processor	Ultimate security, stability, and manageability for the enterprise Intel® Core™ i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i5-4670 Processor (4 cores / 4 threads, 3.4GHz, 6MB cache), Turbo Boost 2.0 (3.8GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i7-4770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1150 socket		Preloaded operating system Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Intel Small Business Advantage• Nitro Pro	
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets			
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support up to five independent monitors; <i>Maximum resolution: 2560x1600 (DisplayPort) @60Hz;</i> <i>1920x1200 (VGA) @60Hz (Reduced Blanking)</i> <i>Some: NVIDIA® GeForce® GT 620, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts;</i> <i>Max resolution: 2560x1600 (DisplayPort) @60Hz; 2048x1536 (VGA) @85Hz</i>			
DP dongle	None			
Disk	<i>Some: SATA 6.0Gb/s 7200 rpm, 3.5" wide</i> <i>Some: 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide</i>			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support			
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)			
eSATA port	None			
Media reader	None			
Chipset	Intel Q87 Express Chipset			
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)			
PCIe WLAN	<i>Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1</i>			
Bluetooth	None			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
Speaker	Internal speaker for business audio (1 watt)			
IEEE 1394	None			
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®			
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)			
Modem	None			
Security chip	Trusted Platform Module (TPM1.2-compliant)			
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Floor Stand	<i>Some: System floor stand for vertical orientation</i>			
Power supply	240 watts, autosensing, 85% PSU			
Machine	<ul style="list-style-type: none">• SFF Pro (12.9L), business black color; metal case• (WxDxH) 13.31" X 14.76" X 4.02"; 338mm X 375mm X 102mm• 17.20 lb (7.8 kg) in maximum configuration• Toolless cover removal, adapter retention• Toolless disk and optical drive removal			
Bay	Bay 1: 5.25", 1.6" high, external, std optical Bay 2: 3.5", 1" high, internal, std disk Bay 3: 2.5", N/A, internal, opt, come with opt 2.5" 2nd disk Bay 4: 3.5", 0.5" high, external, opt reader			
Slot	Slot 1: Low Profile, PCI Express 3.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x16 (x4 elec, 40w max) Slot 4: Low Profile, 32-bit PCI 2.3			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		EPEAT™ Gold rating ENERGY STAR® 6.0-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet	



- Security**
- Security chip (see information on left)
 - One lock to secure both cover and entire system to fixed object:
 - Padlock loop (in rear for opt padlock)
 - Security slot (in rear for optional Kensington® MicroSaver® cable)
 - Power-on password
 - Administrator password
 - Hard disk password
 - Boot sequence control
 - Boot without keyboard and mouse
 - Serial port I/O control
 - Individual USB port disablement
 - Chassis intrusion switch on selected model(s)

EPEAT™ Gold rating
 ENERGY STAR® 6.0-compliant
 ULE Gold
 Cisco EnergyWise compatible
 GREENGUARD® certified
 RoHS-compliant

Supports ThinkVantage Technologies

For compatible accessories, please go to TC-AQP sheet;
 For Lenovo service upgrade options, please go to S-TC sheet

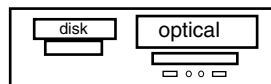
ThinkCentre M93p SFF Pro (10A9) - TopSeller - II

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Pro-processor	Memory ⁸	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Additional Front USB 2.0	2nd serial port	Chassis intrusion switch	Floor stand	Intel vPro	Preload	Ann date (mm/dd/yy)
10A9000NUS	4x4	i7-4770	4GBx1	1TB 7200	DVD±RW	None	None	HD 8470	USB	None	None	Stand	vPro	Win7 Pro64 (DG)	06/18/13
10A9000PUS	4x4	i7-4770	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	None	Stand	vPro	Win7 Pro64 (DG)	06/18/13
10A9000QUS	4x4	i5-4670	4GBx2	500G Hybrid	DVD±RW	None	None	GT 620	USB	Serial	None	Stand	vPro	Win7 Pro64 (DG)	06/18/13
10A9000RUS	4x4	i5-4670	4GBx1	1TB 7200	DVD±RW	None	None	HD 8470	USB	None	None	Stand	vPro	Win7 Pro64 (DG)	06/18/13
10A9000SUS	4x4	i5-4570	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	None	Stand	vPro	Win7 Pro64 (DG)	06/18/13
10A90016US	4x4	i7-4770	4GBx1	1TB 7200	DVD±RW	None	None	HD 4600	None	None	None	Stand	vPro	Win7 Pro64 (DG)	10/08/13
10A90017US	4x4	i5-4570	4GBx1	128G SSD	DVD±RW	None	None	HD 4600	None	None	None	Stand	vPro	Win7 Pro64 (DG)	10/08/13
10A9002CUS	4x4	i5-4670	4GBx1	500G Hybrid	DVD±RW	None	None	GT 620	None	None	None	Stand	vPro	Win7 Pro64 (DG)	12/10/13

•Small and medium business (SMB) model(s), part of the US TopSeller™ Program

Positioning Processor	Ultimate security, stability, and manageability for the enterprise Intel® Core™ i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4670 Processor (4 cores / 4 threads, 3.4GHz, 6MB cache), Turbo Boost 2.0 (3.8GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Intel Small Business Advantage• Nitro Pro
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets		
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support up to five independent monitors; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz;</i> <i>1920x1200 (VGA)@60Hz (Reduced Blanking)</i> <i>Some: AMD Radeon™ HD 8470, DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one VGA, one DisplayPort, 25 watts, Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz,</i> <i>Some: NVIDIA® GeForce® GT 620, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz,</i>		
DP dongle	None		
Disk	<i>Some: SATA 6.0Gb/s 7200 rpm, 3.5" wide</i> <i>Some: 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide</i> <i>Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide</i>		
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support		
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)		
eSATA port	None		
Media reader	None		
Chipset	Intel Q87 Express Chipset		
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)		
PCIe WLAN	None		
Bluetooth	None		
Audio	High Definition (HD) Audio, Realtek® ALC662 codec		
Speaker	Internal speaker for business audio (1 watt)		
IEEE 1394	None		
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®		
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)		
Modem	None		
Security chip	Trusted Platform Module (TPM1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Floor Stand	System floor stand for vertical orientation		
Power supply	240 watts, autosensing, 85% PSU		
Machine	<ul style="list-style-type: none">• SFF Pro (12.9L), business black color; metal case• (WxDxH) 13.31" X 14.76" X 4.02"; 338mm X 375mm X 102mm• 17.20 lb (7.8 kg) in maximum configuration• Toolless cover removal, adapter retention• Toolless disk and optical drive removal <div><div>disk</div><div>optical</div></div>		
Bay	Bay 1: 5.25", 1.6" high, external, std optical Bay 2: 3.5", 1" high, internal, std disk Bay 3: 2.5", N/A, internal, opt, come with opt 2.5" 2nd disk Bay 4: 3.5", 0.5" high, external, opt reader		
Slot	Slot 1: Low Profile, PCI Express 3.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x16 (x4 elec, 40w max) Slot 4: Low Profile, 32-bit PCI 2.3		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		



See footnotes for important warranty information

US model(s) announced June 18, 2013, October 8, 2013, or December 10, 2013

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(MSS1S-4) December 2013

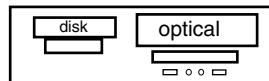
ThinkCentre M93p SFF Pro (10A9) - TopSeller - III

Product Specifications Reference (PSREF)

Type-model	Slot x Pro-bay	cessor	Memory [®]	SATA disk GB rpm	SATA optical	Optional 2.5" Bay	PCIe WLAN	Media reader	Graphics	Additional Front USB 2.0	2nd serial port	Chassis intrusion switch	Floor stand	Intel vPro	Preload	Ann date (mm/dd/yy)
10A9002TUS	4x4	i5-4570	4GBx1	500G 7200	DVD±RW	None	None	None	HD 7450	USB	None	None	Stand	vPro	Win7 P64 DG Win8.1	02/04/14
10A9002UUS	4x4	i7-4770	8GBx1	500G 7200	DVD±RW	None	None	None	HD 7450	USB	None	None	Stand	vPro	Win7 P64 DG Win8.1	02/04/14
10A9002VUS	4x4	i7-4770	8GBx1	1TB 7200	DVD±RW	None	None	None	HD 7450	USB	None	None	Stand	vPro	Win7 P64 DG Win8.1	02/04/14
10A9002WUS	4x4	i5-4670	4GBx1	1TB 7200	DVD±RW	2.5" bay	None	None	HD 7450	USB	None	None	Stand	vPro	Win7 P64 DG Win8.1	02/11/14
10A90034US	4x4	i5-4570	4GBx1	500G 7200	DVD±RW	2.5" bay	None	None	HD 8570	None	None	None	Stand	vPro	Win7 P64 DG Win8.1	03/25/14
10A9003TUS	4x4	i7-4770	8GBx1	256G SSD OPAL	DVD±RW	2.5" bay	None	None	HD 7450	USB	None	None	Stand	vPro	Win7 P64 DG Win8.1	06/17/14

• Small and medium business (SMB) model(s), part of the US TopSeller™ Program

Positioning	Ultimate security, stability, and manageability for the enterprise		Preloaded operating system
Processor	Intel® Core™ i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4670 Processor (4 cores / 4 threads, 3.4GHz, 6MB cache), Turbo Boost 2.0 (3.8GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		
Implementation	Processor in LGA1150 socket		
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets		Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Intel Small Business Advantage• Nitro Pro
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support up to five independent monitors; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking) Some: AMD Radeon™ HD 7450, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 25 watts; Max resolution: 2560x1600 (DisplayPort, DVI-I)@60Hz Some: AMD Radeon HD 8570, DirectX 11, 3D Hardware Acceleration, 2GB, PCI Express 3.0 x16 adapter (8x elec), one VGA, one HDMI, 40 watts; Max resolution: 4096x2160 (HDMI)@24Hz; 2048x1536 (VGA)@85Hz,		
DP dongle	None		
Disk	Some: SATA 6.0Gb/s 7200 rpm, 3.5" wide Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide		
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support		
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)		
eSATA port	None		
Media reader	None		
Chipset	Intel Q87 Express Chipset		
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)		
PCIe WLAN	None		
Bluetooth	None		
Audio	High Definition (HD) Audio, Realtek® ALC662 codec		
Speaker	Internal speaker for business audio (1 watt)		
IEEE 1394	None		
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®		
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)		
Modem	None		
Security chip	Trusted Platform Module (TPM1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Floor Stand	System floor stand for vertical orientation		
Power supply	240 watts, autosensing, 85% PSU		
Machine	<ul style="list-style-type: none">• SFF Pro (12.9L), business black color; metal case• (WxDxH) 13.31" X 14.76" X 4.02"; 338mm X 375mm X 102mm• 17.20 lb (7.8 kg) in maximum configuration• Toolless cover removal, adapter retention• Toolless disk and optical drive removal		
Bay	Bay 1: 5.25", 1.6" high, external, std optical Bay 2: 3.5", 1" high, internal, std disk Bay 3: 2.5", N/A, internal, opt, come with opt 2.5" 2nd disk Bay 4: 3.5", 0.5" high, external, opt reader		
Slot	Slot 1: Low Profile, PCI Express 3.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x16 (x4 elec, 40w max) Slot 4: Low Profile, 32-bit PCI 2.3		
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		



See footnotes for important warranty information

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Product Specifications Reference (PSREF)

Type-model	Slot x Pro- bay	cessor	Memory ⁶	SATA disk GB rpm	SATA optical	Optional 2.5" Bay	PCIe WLAN	Media reader	Graphics	Additional Front USB 2.0	2nd serial port	Chassis intrusion switch	Floor stand	Intel vPro	Preload	Ann date (mm/dd/yy)
10A90049US	4x4	i7-4790	8GBx1	256G SSD	DVD±RW	2.5" bay	7260 b/g/n	None	HD 4600	None	None	None	None	vPro	Win7 P64 DG Win8.1	10/28/14
10A90045US	4x4	i5-4590	4GBx1	500G 7200	DVD±RW	None	None	None	HD 4600	None	None	None	None	vPro	Win7 P64 DG Win8.1	10/28/14
10A9004CUS	4x4	i5-4590	4GBx1	1TB 7200	DVD±RW	2.5" bay	7260 b/g/n	None	HD 4600	None	None	None	None	vPro	Win7 P64 DG Win8.1	10/28/14
10A90048US	4x4	i7-4790	8GBx1	1TB 7200	DVD±RW	2.5" bay	7260 b/g/n	None	GT 620	None	None	None	None	vPro	Win7 P64 DG Win8.1	10/28/14
10A90046US	4x4	i5-4590	4GBx1	1TB 7200	DVD±RW	None	None	None	HD 4600	None	None	None	None	vPro	Win7 P64 DG Win8.1	10/28/14
10A9004AUS	4x4	i5-4590	4GBx1	500G 7200	DVD±RW	2.5" bay	None	None	HD 4600	None	None	None	None	vPro	Win7 P64 DG Win8.1	10/28/14
10A90047US	4x4	i7-4790	4GBx1	1TB 7200	DVD±RW	2.5" bay	None	None	HD 4600	None	None	None	None	vPro	Win7 P64 DG Win8.1	10/28/14
10A9004BUS	4x4	i5-4590	4GBx1	1TB 7200	DVD±RW	2.5" bay	None	None	HD 4600	None	None	None	None	vPro	Win7 P64 DG Win8.1	10/28/14

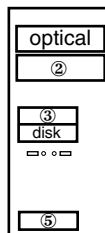
Positioning Processor	<i>Ultimate security, stability, and manageability for the enterprise</i> Intel® Core™ i5-4590 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4790 Processor (4 cores / 8 threads, 3.6GHz, 8MB cache), Turbo Boost 2.0 (4.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller	Preloaded operating system Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Intel Small Business Advantage• Nitro Pro
Implementation	Processor in LGA1150 socket	
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets	
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support up to five independent monitors; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i> <i>Some: NVIDIA® GeForce® GT 620, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz</i>	
DP dongle	None	
Disk	<i>Some: SATA 6.0Gb/s 7200 rpm, 3.5" wide</i> <i>Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide</i>	
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive	
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support	
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)	
eSATA port	None	
Media reader	None	
Chipset	Intel Q87 Express Chipset	
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)	
PCIe WLAN	<i>Some: 11b/g/n, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + BT 4.0 combo, 2x2</i>	
Bluetooth	<i>Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter</i>	
Audio	High Definition (HD) Audio, Realtek® ALC662 codec	
Speaker	Internal speaker for business audio (1 watt)	
IEEE 1394	None	
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®	
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)	
Modem	None	
Security chip	Trusted Platform Module (TPM1.2-compliant)	
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo	
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Floor Stand	System floor stand for vertical orientation	
Power supply	240 watts, autosensing, 85% PSU	
Machine	<ul style="list-style-type: none">• SFF Pro (12.9L), business black color; metal case• (WxDxH) 13.31" X 14.76" X 4.02"; 338mm X 375mm X 102mm• 17.20 lb (7.8 kg) in maximum configuration• Toolless cover removal, adapter retention• Toolless disk and optical drive removal	
Bay	Bay 1: 5.25", 1.6" high, external, std optical Bay 2: 3.5", 1" high, internal, std disk Bay 3: 2.5", N/A, internal, opt, come with opt 2.5" 2nd disk Bay 4: 3.5", 0.5" high, external, opt reader	
Slot	Slot 1: Low Profile, PCI Express 3.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x16 (x4 elec, 40w max) Slot 4: Low Profile, 32-bit PCI 2.3	
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available	

ThinkCentre M93p Mini Tower (10A7) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Pro-processor	Memory ^a	SATA disk GB rpm	SATA optical	Media reader	Graphics	Additional Front serial port	2nd serial port	Parallel port	Chassis intrusion switch	Intel vPro	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10A7000BUS	4x5	i5-4570	4Gx1	500G 7200	DVD±RW	None	HD 4600	None	None	None	None	vPro	None	Win7 Pro64 (DG)	06/18/13
10A7000CUS	4x5	i5-4670	4Gx1	500G Hybrid	DVD±RW	None	HD 4600	None	None	None	None	vPro	None	Win7 Pro64 (DG)	06/18/13
10A7000DUS	4x5	i7-4770	4Gx1	1TB 7200	DVD±RW	None	HD 8570	None	None	None	None	vPro	None	Win7 Pro64 (DG)	06/18/13
10A7000EUS	4x5	i7-4770	4Gx2	500G Hybrid	DVD±RW	Media	HD 8570	None	Serial	Parallel	None	vPro	None	Win7 Pro64 (DG)	06/18/13
10A7000FUS	4x5	i7-4770	4Gx1	500G 7200	DVD±RW	None	HD 4600	None	None	None	None	vPro	None	Win7 Pro64 (DG)	06/18/13
10A7000GUS	4x5	i5-4670	4Gx2	500G Hybrid	DVD±RW	None	GT 620	USB	Serial	None	None	vPro	None	Win7 Pro64 (DG)	06/18/13
10A7000QUS	4x5	i7-4770	8Gx1	1TB 7200	DVD±RW	None	GT 620	None	None	None	None	vPro	None	Win7 Pro64 (DG)	07/09/13
10A7000SUS	4x5	i7-4770	4Gx1	1TB 7200	DVD±RW	None	HD 4600	None	None	None	None	vPro	None	Win7 Pro64 (DG)	10/08/13
10A7000TUS	4x5	i5-4570	4Gx1	128G SSD	DVD±RW	None	HD 4600	None	None	None	None	vPro	None	Win7 Pro64 (DG)	10/08/13
10A7000UUS	4x5	i7-4770	8Gx1	180G SSD	DVD±RW	None	HD 4600	None	None	None	None	vPro	None	Win7 Pro64 (DG)	10/08/13

Positioning	Ultimate security, stability, and manageability for the enterprise		Preloaded operating system	
Processor	Intel® Core™ i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4670 Processor (4 cores / 4 threads, 3.4GHz, 6MB cache), Turbo Boost 2.0 (3.8GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager	
Implementation			Preloaded applications (only some listed)	
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets		<ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Intel Small Business Advantage• Nitro Pro	
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support up to five independent monitors; Maximum resolution: 2560x1600 (DisplayPort) @60Hz; 1920x1200 (VGA) @60Hz (Reduced Blanking) Some: AMD Radeon HD 8570, DirectX 11, 3D Hardware Acceleration, 2GB, PCI Express 3.0 x16 adapter (8x elec), one VGA, one HDMI, 40 watts; Max resolution: 4096x2160 (HDMI) @24Hz; 2048x1536 (VGA) @85Hz Some: NVIDIA® GeForce® GT 620, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; Max resolution: 2560x1600 (DisplayPort) @60Hz; 2048x1536 (VGA) @85Hz			
DP dongle	None			
Disk	Some: SATA 6.0Gb/s 7200 rpm, 3.5" wide Some: 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support			
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)			
eSATA port	None			
Media reader	Some: 29-in-1 media reader, internal USB 2.0			
Chipset	Intel Q87 Express Chipset			
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)			
PCIe WLAN	None			
Bluetooth	None			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
Speaker	Internal speaker for business audio (1.5 watt)			
IEEE 1394	None			
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®			
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)			
Modem	None			
Security chip	Trusted Platform Module (TPM1.2-compliant)			
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Power supply	280 watts, autosensing, 85% PSU			
Machine	<ul style="list-style-type: none">• Mini Tower (25L), business black color, metal case• (WxDxH) 6.89" X 17.41" X 16.32"; 175mm X 442.3mm X 414.5mm• 24.69 lb (11.20 kg) in maximum configuration• Toolless cover removal, adapter retention• Toolless disk, optical drive removal			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk			
Slot	Slot 1: half-length, full-height, PCIe 3.0 x16 (75w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x16 (x4 elec, 75w max) Slot 4: half-length, full-height, 32-bit PCI 2.3			
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		Security <ul style="list-style-type: none">• Security chip (see information on left)• One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Serial port I/O control• Individual USB port disablement• Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 6.0-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies	
			For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet	



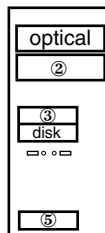
See footnotes for important warranty information

US model(s) announced June 18, 2013, July 9, 2013, or October 8, 2013

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(MSS1T-3) October 2013

Product Specifications Reference (PSREF)

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(MSS1T-4) October 2014



ThinkCentre M93p Tiny (10AA) - 1 Year Depot

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical / I/O box	Graphics	PCIe Mini Card WLAN / BT	Optional port	Chassis intrusion switch	Floor stand	VESA mount	Keyboard / mouse	Intel vPro	Preload	Ann date (mm/dd/yy)
10AA0023US	i5-4570T	4GBx1	500G 7200	None	HD 4600	Intel 105	HDMI	None	Stand	None	USB	vPro	Win7 Pro64 (DG)	07/02/13
10AA0024US	i7-4765T	4GBx1	500G 7200	None	HD 4600	Intel 105	HDMI	None	Stand	None	USB	vPro	Win7 Pro64 (DG)	07/02/13
10AA0025US	i7-4765T	4GBx1	500G 7200	None	HD 4600	Intel 6235	HDMI	None	Stand	None	USB	vPro	Win7 Pro64 (DG)	07/02/13

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- A depot repair service 1-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise		Preloaded operating system
Processor	Intel® Core™ i5-4570T Processor (2 cores / 4 threads, 2.9GHz, 4MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i7-4765T Processor (4 cores / 8 threads, 2.0GHz, 8MB cache), Turbo Boost 2.0 (3.0GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology		
Implementation	Processor in LGA1150 socket		Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) ● Rescue and Recovery™ ● Password Manager Preloaded applications (only some listed) ● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Communication Utility ● Desktop Power Manager ● View Management Utility ● Lenovo Cloud Storage by SugarSync ● Lenovo Solution Center ● Lenovo Message Center Plus ● Norton™ Internet Security (30 days of virus definitions) ● Adobe® Reader® ● Skype™ ● Microsoft Office preloaded; purchase a product key to activate ● Cyberlink PowerDVD (DVD±RW, DVD) ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Evernote ● Intel AppUp ● Intel Small Business Advantage ● Nitro Pro
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, one optional HDMI or one optional 2nd DisplayPort on select models, supports up to triple independent display; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1080 (HDMI)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)		
DP dongle	None		
Disk	Some: SATA 6.0Gb/s, 2.5" Wide, 7200 rpm		
External optical	None		
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset		
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar		
eSATA port	None		
Chipset	Intel Q87 Express Chipset		
Front ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)		
Rear ports	Three USB 3.0 (optional external optical box or external I/O box occupies one specific USB 3.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / 2nd DisplayPort / HDMI on selected models)		
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 3.0 port		
PCIe Mini Card	One PCI Express® Mini Card slot (Half Size)		
PCIe WLAN	Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 Some: 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino Advanced-N 6235, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Some: Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter		
Audio	High Definition (HD) Audio, Realtek® ALC283 codec		
Speaker	Internal speaker for business audio (1.5 watt)		
IEEE 1394	None		
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®		
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)		
Modem	None		
Security chip	Trusted Platform Module (TPM1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Floor Stand	Optional system floor stand for vertical orientation		
VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm mount standard		
Power supply	65 watts AC/DC adapter, autosensing, 88% PSU		
Machine	● Tiny (1L), business black color; metal case ● M93/p Tiny only: 7.0" W X 7.2" D X 1.4" H ● M93/p Tiny only: 179mm W X 182mm D X 34.5mm H ● M93/p Tiny only: 2.9 lb (1.3 kg), weight may vary by configuration ● With VESA mount & optical box: 7.2" W X 7.2" D X 2.55" H ● With VESA mount & optical box: 184mm W X 182mm D X 65mm H ● With VESA mount & optical box: 5.1 lb (2.3 kg), weight may vary by configuration		
Limited Warranty	1-years - depot repair service / service upgrades available		

See footnotes for important warranty information
US model(s) announced July 2, 2013

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(MSS1N-6) July 2013

ThinkCentre M93p Tiny (10AA)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical / I/O box	Graphics	PCIe Mini Card WLAN / BT	Optional port	Chassis intrusion switch	Floor stand	VESA mount	Intel vPro	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10AA0027US	i7-4765T	4GBx1	500G Hybrid	DVD±RW	HD 4600	Intel 6235	2nd DP	None	None	Mount	vPro	None	Win7 P64 DG Win8	09/10/13
10AA0028US	i5-4570T	4GBx1	500G Hybrid	DVD±RW	HD 4600	Intel 6235	2nd DP	None	None	Mount	vPro	None	Win7 P64 DG Win8	09/10/13
10AA002BUS	i7-4765T	4GBx1	500G 7200	None	HD 4600	Intel 2230	2nd DP	None	Stand	None	vPro	None	Win7 P64 DG Win8	09/10/13
10AA002AUS	i7-4765T	4GBx1	500G Hybrid	I/O box	HD 4600	Intel 2230	HDMI	None	None	Mount	vPro	None	Win7 P64 DG Win8	09/10/13
10AA0029US	i5-4570T	4GBx1	500G Hybrid	I/O box	HD 4600	Intel 2230	HDMI	None	None	Mount	vPro	None	Win7 P64 DG Win8	09/10/13
10AA002CUS	i5-4570T	4GBx1	500G 7200	None	HD 4600	Intel 2230	2nd DP	None	Stand	None	vPro	None	Win7 P64 DG Win8	09/10/13
10AA003PUS	i7-4765T	4GBx1	256G SSD	None	HD 4600	Intel 6235	2nd DP	None	Stand	None	vPro	None	Win7 P64 DG Win8	11/12/13
10AA003QUS	i5-4570T	4GBx1	256G SSD	None	HD 4600	Intel 6235	2nd DP	None	Stand	None	vPro	None	Win7 P64 DG Win8	11/12/13
10AA0056US	i7-4765T	8GBx1	256G SSD OPAL	None	HD 4600	7260 AC	2nd DP	None	Stand	None	vPro	None	Win7 P64 DG Win8.1	06/17/14

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- 3-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise		Preloaded operating system
Processor	Intel® Core™ i5-4570T Processor (2 cores / 4 threads, 2.9GHz, 4MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i7-4765T Processor (4 cores / 8 threads, 2.0GHz, 8MB cache), Turbo Boost 2.0 (3.0GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology		
Implementation	Processor in LGA1150 socket		Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit
Memory	16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, one optional HDMI or one optional 2nd DisplayPort on select models, supports up to triple independent display; Maximum resolution: 2560x1600 (DisplayPort) @60Hz; 1920x1080 (HDMI) @60Hz; 1920x1200 (VGA) @60Hz (Reduced Blanking)		Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Intel Small Business Advantage• Nitro Pro
DP dongle	None		
Disk	Some: SATA 6.0Gb/s, 2.5" Wide, 7200 rpm Some: 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide		
External optical	Some: external optical box with slim DVD burner, 12.7mm high, tray-in, via USB 3.0		
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset		
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar		
eSATA port	None		
Chipset	Intel Q87 Express Chipset		
Front ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)		
Rear ports	Three USB 3.0 (optional external optical box or external I/O box occupies one specific USB 3.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / 2nd DisplayPort / HDMI on selected models)		
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 3.0 port		
PCIe Mini Card	One PCI Express® Mini Card slot (Half Size)		
PCIe WLAN	Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 Some: 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino Advanced-N 6235, Wi-Fi + Bluetooth combo adapter, 2x2 Some: 11ac/a/b/g/n wireless, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo adapter, 2x2		
Bluetooth	Some: Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter		
Audio	High Definition (HD) Audio, Realtek® ALC283 codec		
Speaker	Internal speaker for business audio (1.5 watt)		
IEEE 1394	None		
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®		
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)		
Modem	None		
Security chip	Trusted Platform Module (TPM1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Floor Stand	Optional system floor stand for vertical orientation		
VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm mount standard		
Power supply	65 watts AC/DC adapter, autosensing, 88% PSU		
Machine	<ul style="list-style-type: none">• Tiny (1L), business black color; metal case• M93/p Tiny only: 7.0" W X 7.2" D X 1.4" H• M93/p Tiny only: 179mm W X 182mm D X 34.5mm H• M93/p Tiny only: 2.9 lb (1.3 kg), weight may vary by configuration• With VESA mount & optical box: 7.2" W X 7.2" D X 2.55" H• With VESA mount & optical box: 184mm W X 182mm D X 65mm H• With VESA mount & optical box: 5.1 lb (2.3 kg), weight may vary by configuration		Security <ul style="list-style-type: none">• Security chip (see information on left)• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Individual USB port disablement• Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 6.0-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		

See footnotes for important warranty information

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ThinkCentre M93p Tiny (10AA) - GMP

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical / I/O box	Graphics	PCIe Mini Card WLAN / BT	Optional port	Chassis intrusion switch	Floor stand	VESA mount	Intel vPro	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10AA001YUS	i5-4570T	2GBx1	320G 5400	None	HD 4600	Intel 105	None	Switch	Stand	None	vPro	G P	Win7 Pro64	07/02/13
10AA0020US	i5-4570T	4GBx1	500G 5400	DVD	HD 4600	Intel 2230	Serial	Switch	None	Mount	vPro	G P	Win7 Pro64 (DG)	07/02/13
10AA0021US	i7-4765T	4GBx1	128G SSD	DVD	HD 4600	Intel 2230	2nd DP	Switch	None	Mount	vPro	G P	Win7 Pro64 (DG)	07/02/13
10AA0022US	i5-4570T	4GBx1	500G 5400	None	HD 4600	Intel 2230	HDMI	Switch	Stand	None	vPro	G P	Win7 Pro64 (DG)	07/02/13
10AA002RUS	i5-4570T	4GBx1	500G 7200	None	HD 4600	Intel 2230	HDMI	Switch	Stand	None	vPro	G P	Win7 Pro64 (DG)	10/08/13
10AA002SUS	i5-4570T	4GBx1	500G 7200	DVD±RW	HD 4600	Intel 2230	Serial	Switch	None	Mount	vPro	G P	Win7 Pro64 (DG)	10/08/13
10AA002UUS	i5-4570T	4GBx1	500G Hybrid	None	HD 4600	Intel 2230	HDMI	None	Stand	None	vPro	G P	Win7 Pro64 (DG)	11/12/13
10AA002VUS	i7-4765T	4GBx1	500G Hybrid	None	HD 4600	Intel 2230	2nd DP	None	Stand	None	vPro	G P	Win7 Pro64 (DG)	11/12/13
10AA002WUS	i5-4570T	4GBx1	500G 7200	None	HD 4600	Intel 105	2nd DP	None	Stand	None	vPro	G P	Win7 Pro64 (DG)	11/12/13
10AA004JUS	i5-4590T	2GBx1	320G 5400	None	HD 4600	Intel 105	None	Switch	Stand	None	vPro	G P	Win7 Pro64	06/10/14

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise			Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Intel Small Business Advantage• Nitro Pro
Processor	Intel® Core™ i5-4570T Processor (2 cores / 4 threads, 2.9GHz, 4MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590T Processor (4 cores / 4 threads, 2.0GHz, 6MB cache), Turbo Boost 2.0 (3.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4765T Processor (4 cores / 8 threads, 2.0GHz, 8MB cache), Turbo Boost 2.0 (3.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket			
Implementation	Processor in LGA1150 socket			
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)			
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, one optional HDMI or one optional 2nd DisplayPort on select models, supports up to triple independent display; <i>Maximum resolution: 2560x1600 (DisplayPort) @60Hz; 1920x1080 (HDMI) @60Hz; 1920x1200 (VGA) @60Hz (Reduced Blanking)</i>			
DP dongle	None			
Disk	<i>Some:</i> SATA 3.0Gb/s, 2.5" Wide, 5400 rpm <i>Some:</i> SATA 6.0Gb/s, 2.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide			
External optical	<i>Some:</i> external optical box with slim DVD-ROM, 12.7mm high, tray-in, via USB 3.0 <i>Some:</i> external optical box with slim DVD burner, 12.7mm high, tray-in, via USB 3.0			
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset			
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar			
eSATA port	None			
Chipset	Intel Q87 Express Chipset			
Front ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)			
Rear ports	Three USB 3.0 (optional external optical box or external I/O box occupies one specific USB 3.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / 2nd DisplayPort / HDMI on selected models)			
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 3.0 port			
PCIe Mini Card	One PCI Express® Mini Card slot (Half Size)			
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2			
Bluetooth	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter			
Audio	High Definition (HD) Audio, Realtek® ALC283 codec			
Speaker	Internal speaker for business audio (1.5 watt)			
IEEE 1394	None			
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®			
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)			
Modem	None			
Security chip	Trusted Platform Module (TPM1.2-compliant)			
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Floor Stand	Optional system floor stand for vertical orientation			
VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm mount standard			
Power supply	65 watts AC/DC adapter, autosensing, 88% PSU			
Machine	<ul style="list-style-type: none">• Tiny (1L), business black color; metal case• <i>M93/p Tiny only:</i> 7.0" W X 7.2" D X 1.4" H• <i>M93/p Tiny only:</i> 179mm W X 182mm D X 34.5mm H• <i>M93/p Tiny only:</i> 2.9 lb (1.3 kg), weight may vary by configuration• <i>With VESA mount & optical box:</i> 7.2" W X 7.2" D X 2.55" H• <i>With VESA mount & optical box:</i> 184mm W X 182mm D X 65mm H• <i>With VESA mount & optical box:</i> 5.1 lb (2.3 kg), weight may vary by configuration			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available			
Security <ul style="list-style-type: none">• Security chip (see information on left)• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Individual USB port disablement• Chassis intrusion switch on selected model(s)				
EPEAT™ Gold rating ENERGY STAR® 6.0-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies				
For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet				

See footnotes for important warranty information

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ThinkCentre M93p Tiny (10AA) - GMP - II

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical / I/O box	Graphics	PCIe Mini Card WLAN / BT	Optional port	Chassis intrusion switch	Floor stand	VESA mount	Intel vPro	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10AA004WUS	i7-4785T	4GBx1	128G SSD	DVD	HD 4600	7260 b/g/n	2nd DP	Switch	None	Mount	vPro	G P	Win7 P64 DG Win 8.1	07/08/14
10AA004XUS	i5-4590T	4GBx1	500G 5400	None	HD 4600	7260 b/g/n	HDMI	Switch	Stand	None	vPro	G P	Win7 P64 DG Win 8.1	07/08/14
10AA004YUS	i5-4590T	4GBx1	500G 5400	DVD	HD 4600	7260 b/g/n	Serial	Switch	None	Mount	vPro	G P	Win7 P64 DG Win 8.1	07/08/14

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise		Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● Desktop Power Manager● View Management Utility● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Microsoft Office preloaded; purchase a product key to activate● Cyberlink PowerDVD (DVD±RW, DVD)● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Evernote● Intel AppUp● Intel Small Business Advantage● Nitro Pro
Processor	Intel® Core™ i5-4590T Processor (4 cores / 4 threads, 2.0GHz, 6MB cache), Turbo Boost 2.0 (3.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4785T Processor (4 cores / 8 threads, 2.2GHz, 8MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		
Implementation	Processor in LGA1150 socket		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, one optional HDMI or one optional 2nd DisplayPort on select models, supports up to triple independent display; <i>Maximum resolution:</i> 2560x1600 (DisplayPort)@60Hz; 1920x1080 (HDMI)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)		
DP dongle	None		
Disk	<i>Some:</i> SATA 3.0Gb/s, 2.5" Wide, 5400 rpm <i>Some:</i> SATA 6.0Gb/s, 2.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide		
External optical	<i>Some:</i> external optical box with slim DVD-ROM, 12.7mm high, tray-in, via USB 3.0 <i>Some:</i> external optical box with slim DVD burner, 12.7mm high, tray-in, via USB 3.0		
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset		
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar		
eSATA port	None		
Chipset	Intel Q87 Express Chipset		
Front ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)		
Rear ports	Three USB 3.0 (optional external optical box or external I/O box occupies one specific USB 3.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / 2nd DisplayPort / HDMI on selected models)		
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 3.0 port		
PCIe Mini Card	One PCI Express® Mini Card slot (Half Size)		
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter		
Audio	High Definition (HD) Audio, Realtek® ALC283 codec		
Speaker	Internal speaker for business audio (1.5 watt)		
IEEE 1394	None		
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®		
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)		
Modem	None		
Security chip	Trusted Platform Module (TPM1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Floor Stand	Optional system floor stand for vertical orientation		
VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm mount standard		
Power supply	65 watts AC/DC adapter, autosensing, 88% PSU		
Machine	<ul style="list-style-type: none">● Tiny (1L), business black color; metal case● <i>M93/p Tiny only:</i> 7.0" W X 7.2" D X 1.4" H● <i>M93/p Tiny only:</i> 179mm W X 182mm D X 34.5mm H● <i>M93/p Tiny only:</i> 2.9 lb (1.3 kg), weight may vary by configuration● <i>With VESA mount & optical box:</i> 7.2" W X 7.2" D X 2.55" H● <i>With VESA mount & optical box:</i> 184mm W X 182mm D X 65mm H● <i>With VESA mount & optical box:</i> 5.1 lb (2.3 kg), weight may vary by configuration		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		

See footnotes for important warranty information

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(MSS1N-9) July 2014

ThinkCentre M93p Tiny (10DH) - GMP (TIO models)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical / I/O box	Graphics	PCIe Mini Card WLAN / BT	Optional port	Chassis intrusion switch	Floor stand	VESA mount	Intel Global (G) vPro GMP (P)	Preload	Ann date (mm/dd/yy)
10DH0003US	i7-4765T	4GBx1	128G SSD	DVD±RW (TIO23)	HD 4600	7260 b/g/n	2nd DP	Switch	None	None	vPro G P	Win7 P64 DG Win 8.1	10/14/14
10DH0004US	i5-4570T	4GBx1	500G 5400	DVD±RW (TIO23)	HD 4600	7260 b/g/n	2nd DP	Switch	None	None	vPro G P	Win7 P64 DG Win 8.1	10/14/14
10DH0005US	i5-4570T	4GBx1	500G 7200	DVD±RW (TIO23)	HD 4600	7260 b/g/n	Serial	Switch	None	None	vPro G P	Win7 P64 DG Win 8.1	10/14/14

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning Processor	Ultimate security, stability, and manageability for the enterprise Intel® Core™ i5-4570T Processor (2 cores / 4 threads, 2.9GHz, 4MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4765T Processor (4 cores / 8 threads, 2.0GHz, 8MB cache), Turbo Boost 2.0 (3.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit
Implementation	Processor in LGA1150 socket		Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● Desktop Power Manager● View Management Utility● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Microsoft Office preloaded; purchase a product key to activate● Cyberlink PowerDVD (DVD±RW, DVD)● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Evernote● Intel AppUp● Intel Small Business Advantage● Nitro Pro
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, one optional HDMI or one optional 2nd DisplayPort on select models, supports up to triple independent display; <i>Maximum resolution:</i> 2560x1600 (DisplayPort)@60Hz; 1920x1080 (HDMI) @60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)		
DP dongle	None		
Disk	<i>Some:</i> SATA 3.0Gb/s, 2.5" Wide, 5400 rpm <i>Some:</i> SATA 6.0Gb/s, 2.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide <i>Some:</i> external USB optical box with DVD burner, 9.5mm high, compatible with TIO 23		
External optical	Serial ATA, SATA 6.0Gb/s support, integrated in chipset		
SATA controller	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar		
Onboard SATA	None		
eSATA port	Intel Q87 Express Chipset		
Chipset	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)		
Front ports	Three USB 3.0 (optional external optical box or external I/O box occupies one specific USB 3.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / 2nd DisplayPort / HDMI on selected models)		
Rear ports	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 3.0 port		
I/O box	One PCI Express® Mini Card slot (Half Size)		
PCIe Mini Card	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2		
PCIe WLAN	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter		
Bluetooth	High Definition (HD) Audio, Realtek® ALC283 codec		
Audio	Internal speaker for business audio (1.5 watt)		
Speaker	None		
IEEE 1394	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®		
Ethernet	Intel Active Management Technology 9.0 (Intel AMT 9.0)		
Intel AMT	None		
Modem	Trusted Platform Module (TPM1.2-compliant)		
Security chip	Preferred Pro USB Keyboard (USB connector), Lenovo® logo		
Keyboard	Enhanced Optical USB Mouse, black, Lenovo logo		
Mouse	Optional system floor stand for vertical orientation		
Floor Stand	Optional VESA mount bracket kit, supports VESA 75mm and 100mm mount standard		
VESA mount	None		
Power supply	<ul style="list-style-type: none">● Tiny (1L), business black color; metal case● <i>M93/p Tiny only:</i> 7.0" W X 7.2" D X 1.4" H● <i>M93/p Tiny only:</i> 179mm W X 182mm D X 34.5mm H● <i>M93/p Tiny only:</i> 2.9 lb (1.3 kg), weight may vary by configuration● <i>With VESA mount & optical box:</i> 7.2" W X 7.2" D X 2.55" H● <i>With VESA mount & optical box:</i> 184mm W X 182mm D X 65mm H● <i>With VESA mount & optical box:</i> 5.1 lb (2.3 kg), weight may vary by configuration		Security <ul style="list-style-type: none">● Security chip (see information on left)● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● Individual USB port disablement● Chassis intrusion switch on selected model(s)
Machine			EPEAT™ Gold rating ENERGY STAR® 6.0-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet

See footnotes for important warranty information

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(MSS1N-12) October 2014

ThinkCentre M93p SFF Pro (10A8)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Pro-processor	Memory ^a	SATA disk GB rpm	SATA optical	Optional 2.5" Bay	PCIe WLAN	Media reader	Graphics	Additional Front USB 2.0	2nd serial port	Chassis intrusion switch	Floor stand	Intel vPro	Preload	Ann date (mm/dd/yy)
10A8000TUS	4x4	i7-4770	4GBx2	1TB 7200	DVD±RW	None	Intel 105	Media	GT 620	None	Serial	None	Stand	vPro	Win7 P64 DG Win8	06/18/13
10A8000UUS	4x4	i7-4770	4GBx2	1TB 7200	DVD±RW	None	None	None	GT 620	USB	Serial	None	Stand	vPro	Win7 P64 DG Win8	06/18/13
10A8000VUS	4x4	i7-4770	4GBx1	500G 7200	DVD±RW	None	None	None	HD 4600	USB	Serial	None	Stand	vPro	Win7 P64 DG Win8	06/18/13
10A8000WUS	4x4	i5-4570	4GBx1	500G 7200	DVD±RW	None	None	None	HD 4600	USB	Serial	None	Stand	vPro	Win7 P64 DG Win8	06/18/13
10A8000XUS	4x4	i5-4570	8GBx1	1TB 7200	DVD±RW	None	Intel 105	None	HD 4600	USB	Serial	None	Stand	vPro	Win7 P64 DG Win8	06/18/13
10A8000YUS	4x4	i5-4570	4GBx1	250G 7200	DVD±RW	None	None	None	HD 4600	None	None	None	Stand	vPro	Win7 P64 DG Win8	06/18/13
10A80037US	4x4	i5-4570	4GBx1	500G 7200	DVD±RW	2.5" bay	None	None	HD 7450	USB	None	None	Stand	vPro	Win7 P64 DG Win8.1	02/04/14
10A80038US	4x4	i7-4770	8GBx1	1TB 7200	DVD±RW	2.5" bay	None	None	HD 7450	USB	None	None	Stand	vPro	Win7 P64 DG Win8.1	02/04/14

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- 3-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise		Preloaded operating system
Processor	Intel® Core™ i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i7-4770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1150 socket		
Implementation	Processor in LGA1150 socket		Ready to install applications (only some listed)
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets		
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support up to five independent monitors; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking) Some: AMD Radeon™ HD 7450, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 25 watts; Max resolution: 2560x1600 (DisplayPort, DVI-I)@60Hz Some: NVIDIA® GeForce® GT 620, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz		Preloaded applications (only some listed)
DP dongle	None		
Disk	SATA 6.0Gb/s 7200 rpm, 3.5" wide		Security <ul style="list-style-type: none">• Security chip (see information on left)• One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">- Padlock loop (in rear for opt padlock)- Security slot (in rear for optional Kensington® MicroSaver® cable)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Serial port I/O control• Individual USB port disablement• Chassis intrusion switch on selected model(s)
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support		
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)		
eSATA port	None		
Media reader	Some: 29-in-1 media reader, slim, internal USB 2.0		
Chipset	Intel Q87 Express Chipset		
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)		
PCIe WLAN	Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1		
Bluetooth	None		
Audio	High Definition (HD) Audio, Realtek® ALC662 codec		
Speaker	Internal speaker for business audio (1 watt)		
IEEE 1394	None		
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®		
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)		
Modem	None		
Security chip	Trusted Platform Module (TPM1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Floor Stand	System floor stand for vertical orientation		
Power supply	240 watts, autosensing, 85% PSU		
Machine	<ul style="list-style-type: none">• SFF Pro (12.9L), business black color; metal case• (WxDxH) 13.31" X 14.76" X 4.02"; 338mm X 375mm X 102mm• 17.20 lb (7.8 kg) in maximum configuration• Toolless cover removal, adapter retention• Toolless disk and optical drive removal 		
Bay	Bay 1: 5.25", 1.6" high, external, std optical Bay 2: 3.5", 1" high, internal, std disk Bay 3: 2.5", N/A, internal, opt or come with opt 2.5" 2nd disk Bay 4: 3.5", 0.5" high, external, opt reader		
Slot	Slot 1: Low Profile, PCI Express 3.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x16 (x4 elec, 40w max) Slot 4: Low Profile, 32-bit PCI 2.3		
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		

See footnotes for important warranty information

US model(s) announced June 18, 2013 or February 4, 2014

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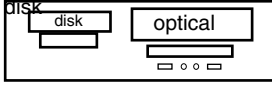
(MSS1S-1) February 2014

ThinkCentre M93p SFF Pro (10A8) - II

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Pro-processor	Memory ^a	SATA disk GB rpm	SATA optical	Optional 2.5" Bay	PCIe WLAN	Media reader	Graphics	Additional Front USB 2.0	2nd serial port	Chassis intrusion switch	Floor stand	Intel vPro	Preload	Ann date (mm/dd/yy)
10A8004MUS	4x4	i7-4790	8GBx1	1TB 7200	DVD±RW	2.5" bay	7260 b/g/n	None	HD 8570	None	None	None	None	vPro	Win7 P64 DG Win8.1	10/18/14
10A8004JUS	4x4	i5-4590	4GBx1	256G SSD	DVD±RW	2.5" bay	7260 b/g/n	None	HD 4600	None	None	None	None	vPro	Win7 P64 DG Win8.1	10/18/14
10A8004KUS	4x4	i7-4790	4GBx1	500G 7200	DVD±RW	2.5" bay	None	None	HD 4600	None	None	None	None	vPro	Win7 P64 DG Win8.1	10/18/14
10A8004GUS	4x4	i5-4590	4GBx1	500G 7200	DVD±RW	2.5" bay	None	None	HD 4600	None	None	None	None	vPro	Win7 P64 DG Win8.1	10/18/14
10A8004LUS	4x4	i7-4790	8GBx1	1TB 7200	DVD±RW	2.5" bay	7260 b/g/n	None	HD 4600	None	None	None	None	vPro	Win7 P64 DG Win8.1	10/18/14
10A8004HUS	4x4	i5-4590	4GBx1	1TB 7200	DVD±RW	2.5" bay	None	None	HD 4600	None	None	None	None	vPro	Win7 P64 DG Win8.1	10/18/14

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- 3-year limited warranty

Positioning	Ultimate security, stability, and manageability for the enterprise										Preloaded operating system									
Processor	Intel® Core™ i5-4590 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller										Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit									
Implementation	Intel Core i7-4790 Processor (4 cores / 8 threads, 3.6GHz, 8MB cache), Turbo Boost 2.0 (4.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket										Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit									
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets										Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Intel Small Business Advantage• Nitro Pro									
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support up to five independent monitors; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking) Some: AMD Radeon HD 8570, DirectX 11, 3D Hardware Acceleration, 2GB, PCI Express 3.0 x16 adapter (8x elec), one VGA, one HDMI, 40 watts; Max resolution: 4096x2160 (HDMI)@24Hz; 2048x1536 (VGA)@85Hz																			
DP dongle	None																			
Disk	Some: SATA 6.0Gb/s 7200 rpm, 3.5" wide Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide																			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive																			
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support																			
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)																			
eSATA port	None																			
Media reader	Some: 29-in-1 media reader, slim, internal USB 2.0																			
Chipset	Intel Q87 Express Chipset																			
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)																			
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models																			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)																			
PCIe WLAN	Some: 11b/g/n, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + BT 4.0 combo, 2x2																			
Bluetooth	Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter																			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec																			
Speaker	Internal speaker for business audio (1 watt)																			
IEEE 1394	None																			
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®																			
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)																			
Modem	None																			
Security chip	Trusted Platform Module (TPM1.2-compliant)										Security <ul style="list-style-type: none">• Security chip (see information on left)• One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Serial port I/O control• Individual USB port disablement• Chassis intrusion switch on selected model(s)									
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo																			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo																			
Floor Stand	System floor stand for vertical orientation																			
Power supply	240 watts, autosensing, 85% PSU																			
Machine	<ul style="list-style-type: none">• SFF Pro (12.9L), business black color; metal case• (WxDxH) 13.31" X 14.76" X 4.02"; 338mm X 375mm X 102mm• 17.20 lb (7.8 kg) in maximum configuration• Toolless cover removal, adapter retention• Toolless disk and optical drive removal																			
Bay	Bay 1: 5.25", 1.6" high, external, std optical Bay 2: 3.5", 1" high, internal, std disk Bay 3: 2.5", N/A, internal, opt or come with opt 2.5" 2nd disk Bay 4: 3.5", 0.5" high, external, opt reader																			
Slot	Slot 1: Low Profile, PCI Express 3.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x16 (x4 elec, 40w max) Slot 4: Low Profile, 32-bit PCI 2.3										EPEAT™ Gold rating ENERGY STAR® 6.0-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies									
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays,										For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet									

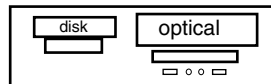
See footnotes for important warranty information

ThinkCentre M93p SFF Pro (10A8) - GMP

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Pro-processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Additional Front USB 2.0	2nd serial port	Chassis intrusion switch	Floor stand	Intel vPro	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10A8001GUS	4x4	i5-4570	2GBx1	500G 7200	DVD	None	None	HD 4600	None	None	Switch	None	vPro	G P	Win7 Pro64	06/18/13
10A8001HUS	4x4	i5-4570	4GBx1	500G 7200	DVD	Intel 105	None	HD 4600	USB	None	Switch	Stand	vPro	G P	Win7 Pro64 (DG)	06/18/13
10A8001JUS	4x4	i7-4770	4GBx1	1TB 7200	DVD	Intel 105	None	HD 8470	USB	None	Switch	Stand	vPro	G P	Win7 Pro64 (DG)	06/18/13
10A8002CUS	4x4	i5-4570	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	None	Stand	vPro	G P	Win7 Pro64 (DG)	11/12/13
10A8002DUS	4x4	i7-4770	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	USB	Serial	None	Stand	vPro	G P	Win7 Pro64 (DG)	11/12/13
10A8003UUS	4x4	i5-4590	2GBx1	500G 7200	DVD	None	None	HD 4600	None	None	Switch	None	vPro	G P	Win7 Pro64	06/10/14
10A80049US	4x4	i7-4790	4GBx1	1TB 7200	DVD	8723BE	None	GT 620	None	None	Switch	Stand	vPro	G P	Win7 P64 DG Win 8.1	07/08/14
10A8004AUS	4x4	i5-4590	4GBx1	500G 7200	DVD	8723BE	None	HD 4600	None	None	Switch	Stand	vPro	G P	Win7 P64 DG Win 8.1	07/08/14

Positioning Processor	<i>Ultimate security, stability, and manageability for the enterprise</i> Intel® Core™ i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4790 Processor (4 cores / 8 threads, 3.6GHz, 8MB cache), Turbo Boost 2.0 (4.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit	
Implementation	Processor in LGA1150 socket		Ready to install applications (only some listed)	
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets		<ul style="list-style-type: none">• Rescue and Recovery™• Password Manager	
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support up to five independent monitors; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz;</i> 1920x1200 (VGA)@60Hz (Reduced Blanking) <i>Some: AMD Radeon™ HD 8470, DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one VGA, one DisplayPort, 25 watts, Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz</i> <i>Some: NVIDIA® GeForce® GT 620, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz</i>		Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink Power2Go (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Intel Small Business Advantage• Nitro Pro	
DP dongle	None		Security <ul style="list-style-type: none">• Security chip (see information on left)• One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Serial port I/O control• Individual USB port disablement• Chassis intrusion switch on selected model(s)	
Disk	SATA 6.0Gb/s 7200 rpm, 3.5" wide			
Optical	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive <i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support			
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)			
eSATA port	None			
Media reader	None			
Chipset	Intel Q87 Express Chipset			
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)			
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8723BE, Wi-Fi/BT 4.0, 1x1 <i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter			
Bluetooth	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
Speaker	Internal speaker for business audio (1 watt)			
IEEE 1394	None			
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®			
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)			
Modem	None			
Security chip	Trusted Platform Module (TPM1.2-compliant)			
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Floor Stand	<i>Some:</i> System floor stand for vertical orientation			
Power supply	240 watts, autosensing, 85% PSU			
Machine	<ul style="list-style-type: none">• SFF Pro (12.9L), business black color; metal case• (WxDxH) 13.31" X 14.76" X 4.02"; 338mm X 375mm X 102mm• 17.20 lb (7.8 kg) in maximum configuration• Toolless cover removal, adapter retention• Toolless disk and optical drive removal			
Bay	Bay 1: 5.25", 1.6" high, external, std optical Bay 2: 3.5", 1" high, internal, std disk Bay 3: 2.5", N/A, internal, opt, come with opt 2.5" 2nd disk Bay 4: 3.5", 0.5" high, external, opt reader			
Slot	Slot 1: Low Profile, PCI Express 3.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x16 (x4 elec, 40w max) Slot 4: Low Profile, 32-bit PCI 2.3			
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available			



See footnotes for important warranty information

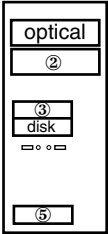
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(MSS1S-2) July 2014

ThinkCentre M93p Mini Tower (10A6)

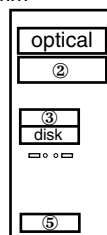
Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Additional Front USB 2.0	2nd serial port	Chassis intrusion switch	Intel vPro	Global	Preload	Ann date (mm/dd/yy)
10A6000UUS	4x5	i7-4770	4GBx2	1TB 7200	DVD±RW	None	Media	GT 620	None	Serial	None	vPro	None	Win7 P64 DG Win8	06/18/13
10A6000VUS	4x5	i7-4770	4GBx2	500G 7200	DVD±RW	None	Media	HD 8570	None	Serial	None	vPro	None	Win7 P64 DG Win8	06/18/13
10A6000WUS	4x5	i7-4770	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	USB	None	None	vPro	None	Win7 P64 DG Win8	06/18/13
10A6002NUS	4x5	i5-4570	4GBx1	500G 7200	DVD±RW	None	None	HD 7450	USB	None	None	vPro	None	Win7 P64 DG Win8.1	02/04/14
10A6002PUS	4x5	i7-4770	8GBx1	1TB 7200	DVD±RW	None	None	HD 7450	USB	None	None	vPro	None	Win7 P64 DG Win8.1	02/04/14

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- 3-year limited warranty

Positioning Processor	Ultimate security, stability, and manageability for the enterprise Intel® Core™ i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit	
Implementation				
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets			
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support up to five independent monitors; <i>Maximum resolution:</i> 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking) <i>Some:</i> AMD Radeon HD 8570 , DirectX 11, 3D Hardware Acceleration, 2GB, PCI Express 3.0 x16 adapter (8x elec), one VGA, one HDMI, 40 watts; <i>Max resolution:</i> 4096x2160 (HDMI)@24Hz; 2048x1536 (VGA)@85Hz <i>Some:</i> NVIDIA® GeForce® GT 620 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; <i>Max resolution:</i> 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz <i>Some:</i> AMD Radeon™ HD 7450 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 25 watts; <i>Max resolution:</i> 2560x1600 (DisplayPort, DVI-I)@60Hz			
DP dongle	None			
Disk	SATA 6.0Gb/s 7200 rpm, 3.5" wide			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support			
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)			
eSATA port	None			
Media reader	<i>Some:</i> 29-in-1 media reader, internal USB 2.0			
Chipset	Intel Q87 Express Chipset			
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)			
PCIe WLAN	None			
Bluetooth	None			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
Speaker	Internal speaker for business audio (1.5 watt)			
IEEE 1394	None			
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®			
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)			
Modem	None			
Security chip	Trusted Platform Module (TPM1.2-compliant)			
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Power supply	280 watts, autosensing, 85% PSU			
Machine	<ul style="list-style-type: none">• Mini Tower (25L), business black color, metal case• (WxDxH) 6.89" X 17.41" X 16.32"; 175mm X 442.3mm X 414.5mm• 24.69 lb (11.20 kg) in maximum configuration• Toolless cover removal, adapter retention• Toolless disk, optical drive removal			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk			
Slot	Slot 1: half-length, full-height, PCIe 3.0 x16 (75w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x16 (x4 elec, 75w max) Slot 4: half-length, full-height, 32-bit PCI 2.3			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available			

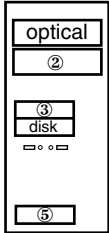
Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Intel Small Business Advantage• Nitro Pro
Security <ul style="list-style-type: none">• Security chip (see information on left)• One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Serial port I/O control• Individual USB port disablement• Chassis intrusion switch on selected model(s)
EPEAT™ Gold rating ENERGY STAR® 6.0-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant
Supports ThinkVantage Technologies
For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet

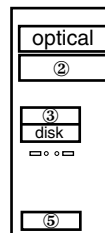


ThinkCentre M93p Mini Tower (10A6) - II

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ⁸	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Additional Front USB 2.0	2nd serial port	Chassis intrusion switch	Intel vPro	Global	Preload	Ann date (mm/dd/yy)
10A6003EUS	4x5	i5-4590	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	None	vPro	None	Win7 P64 DG Win8.1	10/28/14
10A6003DUS	4x5	i7-4790	4GBx1	1TB 7200	DVD±RW	7260 b/g/n	None	GT 620	None	None	None	vPro	None	Win7 P64 DG Win8.1	10/28/14
10A6003GUS	4x5	i5-4590	4GBx1	1TB 7200	DVD±RW	7260 b/g/n	None	GT 620	None	None	None	vPro	None	Win7 P64 DG Win8.1	10/28/14
10A6003AUS	4x5	i7-4790	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	None	vPro	None	Win7 P64 DG Win8.1	10/28/14
10A6003BUS	4x5	i7-4790	4GBx1	180G SSD	DVD±RW	7260 b/g/n	None	HD 4600	None	None	None	vPro	None	Win7 P64 DG Win8.1	10/28/14
10A6003FUS	4x5	i7-4790	8GBx1	1TB 7200	DVD±RW	7260 b/g/n	None	HD 8570	None	None	None	vPro	None	Win7 P64 DG Win8.1	10/28/14
10A6003HUS	4x5	i5-4590	8GBx1	1TB 7200	DVD±RW	None	None	HD 4600	None	None	None	vPro	None	Win7 P64 DG Win8.1	10/28/14
10A6003CUS	4x5	i7-4790	8GBx1	1TB 7200	DVD±RW	7260 b/g/n	None	HD 4600	None	None	None	vPro	None	Win7 P64 DG Win8.1	10/28/14

Positioning Processor	Ultimate security, stability, and manageability for the enterprise Intel® Core™ i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit
Implementation			
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets		
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support up to five independent monitors; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i> <i>Some: AMD Radeon HD 8570, DirectX 11, 3D Hardware Acceleration, 2GB, PCI Express 3.0 x16 adapter (8x elec), one VGA, one HDMI, 40 watts; Max resolution: 4096x2160 (HDMI)@24Hz; 2048x1536 (VGA)@85Hz</i> <i>Some: NVIDIA® GeForce® GT 620, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz</i> <i>Some: AMD Radeon™ HD 7450, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 25 watts; Max resolution: 2560x1600 (DisplayPort, DVI-I)@60Hz</i>		Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Intel Small Business Advantage• Nitro Pro
DP dongle	None		
Disk	SATA 6.0Gb/s 7200 rpm, 3.5" wide		
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support		
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)		
eSATA port	None		
Media reader	<i>Some:</i> 29-in-1 media reader, internal USB 2.0		
Chipset	Intel Q87 Express Chipset		
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)		
PCIe WLAN	<i>Some:</i> 11b/g/n, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + BT 4.0 combo, 2x2		
Bluetooth	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter		
Audio	High Definition (HD) Audio, Realtek® ALC662 codec		
Speaker	Internal speaker for business audio (1.5 watt)		
IEEE 1394	None		
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®		
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)		
Modem	None		
Security chip	Trusted Platform Module (TPM1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	280 watts, autosensing, 85% PSU		
Machine	<ul style="list-style-type: none">• Mini Tower (25L), business black color, metal case• (WxDxH) 6.89" X 17.41" X 16.32"; 175mm X 442.3mm X 414.5mm• 24.69 lb (11.20 kg) in maximum configuration• Toolless cover removal, adapter retention• Toolless disk, optical drive removal		
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk		
Slot	Slot 1: half-length, full-height, PCIe 3.0 x16 (75w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x16 (x4 elec, 75w max) Slot 4: half-length, full-height, 32-bit PCI 2.3		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		



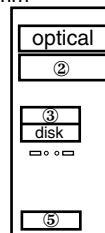
See footnotes for important warranty information

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(MSS1T-5) October 2014

ThinkCentre M93p Mini Tower (10A6) - GMP

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ⁸	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Additional Front USB 2.0	2nd serial port	Chassis intrusion switch	Intel vPro	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10A60017US	4x5	i5-4570	2GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	Switch	vPro	G P	Win7 Pro64	06/18/13
10A60018US	4x5	i7-4770	4GBx1	1TB 7200	DVD±RW	Intel 105	None	HD 8470	USB	None	Switch	vPro	G P	Win7 Pro64 (DG)	06/18/13
10A60019US	4x5	i5-4570	4GBx1	500G 7200	DVD±RW	Intel 105	None	HD 4600	USB	None	Switch	vPro	G P	Win7 Pro64 (DG)	06/18/13
10A6001DUS	4x5	i5-4570	4GBx1	500G 7200	DVD	Intel 105	None	HD 4600	USB	None	Switch	vPro	G P	Win7 Pro64 (DG)	08/20/13
10A6001EUS	4x5	i7-4770	4GBx1	1TB 7200	DVD	Intel 105	None	HD 8470	USB	None	Switch	vPro	G P	Win7 Pro64 (DG)	08/20/13
10A6001FUS	4x5	i5-4570	2GBx1	500G 7200	DVD	None	None	HD 4600	None	None	Switch	vPro	G P	Win7 Pro64	08/20/13
10A6001SUS	4x5	i7-4770	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	USB	Serial	None	vPro	G P	Win7 Pro64 (DG)	11/12/13
10A6001TUS	4x5	i5-4570	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	None	vPro	G P	Win7 Pro64 (DG)	11/12/13
10A6002SUS	4x5	i5-4590	2GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	Switch	vPro	G P	Win7 Pro64	06/10/14
10A6002YUS	4x5	i5-4590	4GBx1	500G 7200	DVD±RW	8723BE	None	HD 4600	None	None	Switch	vPro	G P	Win7 P64 DG Win8.1	07/08/14
10A60030US	4x5	i7-4790	4GBx1	1TB 7200	DVD±RW	8723BE	None	GT 620	None	None	Switch	vPro	G P	Win7 P64 DG Win8.1	07/08/14
Positioning	Ultimate security, stability, and manageability for the enterprise											Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● Desktop Power Manager● View Management Utility● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Microsoft Office preloaded; purchase a product key to activate● Cyberlink PowerDVD (DVD±RW, DVD)● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Evernote● Intel AppUp● Intel Small Business Advantage● Nitro Pro Security <ul style="list-style-type: none">● Security chip (see information on left)● One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● Serial port I/O control● Individual USB port disablement● Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 6.0-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet			
Processor	Intel® Core™ i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4790 Processor (4 cores / 8 threads, 3.6GHz, 8MB cache), Turbo Boost 2.0 (4.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket														
Implementation	Processor in LGA1150 socket														
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets														
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support up to five independent monitors; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking) <i>Some:</i> AMD Radeon™ HD 8470, DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one VGA, one DisplayPort, 25 watts, Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz <i>Some:</i> NVIDIA® GeForce® GT 620, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz														
Disk	SATA 6.0Gb/s 7200 rpm, 3.5" wide														
Optical	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive <i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive														
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support														
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)														
eSATA port	None														
Media reader	None														
Chipset	Intel Q87 Express Chipset														
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)														
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models														
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)														
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8723BE, Wi-Fi/BT 4.0, 1x1 <i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter														
Bluetooth	High Definition (HD) Audio, Realtek® ALC662 codec														
Audio	Internal speaker for business audio (1.5 watt)														
Speaker	None														
IEEE 1394	None														
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®														
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)														
Security chip	Trusted Platform Module (TPM1.2-compliant)														
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo														
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo														
Power supply	280 watts, autosensing, 85% PSU														
Machine	<ul style="list-style-type: none">● Mini Tower (25L), business black color, metal case● (WxDxH) 6.89" X 17.41" X 16.32"; 175mm X 442.3mm X 414.5mm● 24.69 lb (11.20 kg) in maximum configuration● Toolless cover removal, adapter retention● Toolless disk, optical drive removal														
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk														
Slot	Slot 1: half-length, full-height, PCIe 3.0 x16 (75w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x16 (x4 elec, 75w max) Slot 4: half-length, full-height, 32-bit PCI 2.3														
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available														



See footnotes for important warranty information

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(MSS1T-2) July 2014



ThinkCentre M93z (Multi-touch) with Frame Stand and optional wireless keyboard and mouse



ThinkCentre M93z (Non-touch) with Monitor Stand and optional wireless keyboard and mouse



ThinkCentre M93z with Monitor Stand with optional PS/2 and Serial ports



ThinkCentre M93z with Frame Stand with optional PS/2 and Serial ports



Frame Stand
(Adjustable between 10° and 45°)



Monitor Stand
(Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°)

ThinkCentre M93z (10AF) - TopSeller (1-year onsite)

Product Specifications Reference (PSREF)

Type-model	Pro-processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial port	Chassis intrusion switch	Stand type	Key-board/ Mouse	Intel vPro	Global	Preload	Ann date (mm/dd/yy)
10AF000JUS	G3220	4GBx1	2.0M	500G 7200	Intel HD	N105	None	None	None	None	Frame	USB	None	None	Win7 Pro64 DG	08/20/13

• Small and medium business (SMB) model(s), part of the US TopSeller™ Program

Positioning Processor	<i>Premium All-In-One PC for the enterprise</i> Intel® Pentium® G3220 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller		Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
Implementation	Processor in LGA1150 socket		
Memory	16GB max, PC3-12800 1600MHz DDR3* , two 204-pin SODIMM sockets (notebook) *System automatically clocks down for processors with 1333MHz memory controller		Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Device Experience● ThinkVantage AutoLock● Desktop Power Manager● View Management Utility● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Microsoft Office preloaded; purchase a product key to activate● Cyberlink PowerDVD (DVD±RW, DVD)● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Evernote● Intel AppUp● Lenovo Solutions for Small Business● Nitro Pro
Graphics	Intel HD Graphics in processor, uses main memory, Direct ^X ® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz</i> 23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color , IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector		
Display	Optional ambient light sensor		
Light sensor	None		
Multi-touch	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off		
Camera	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button		
Controls	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm		
Disk	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Optical	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors on planar		
Onboard SATA	Optional 11-in-1 media card reader		
Media reader	Intel Q87 Express Chipset		
Chipset	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)		
Rear ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)		
Side ports	None		
ExpressCard	One mSATA slot		
mSATA	One PCI Express® Mini Card slot		
PCIe Mini Card	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1		
PCIe WLAN	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter		
Bluetooth	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®		
Ethernet	High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified		
Audio support	Intel Active Management Technology 9.0 (Intel AMT 9.0)		
Intel AMT	Trusted Platform Module (TPM 1.2-compliant)		
Security chip	Preferred Pro USB Keyboard (USB connector), Lenovo® logo		
Keyboard	Enhanced Optical USB Mouse, black, Lenovo logo		
Mouse	150 watts, autosensing, 85% PSU		
Power supply	<ul style="list-style-type: none">● Business black color● Toolless back cover, stand removal● Toolless disk, drive, memory removal● Support VESA mount (100mm) <i>Non-touch model(s) with frame stand:</i> <ul style="list-style-type: none">● (WxDxH) 22.4" X 3.6" X 17.6"; 568mm X 92.5mm X 447.3 mm● 21.3 lb (9.68 kg) in maximum configuration● Adjustable stand (between 10° and 45°) <i>Non-touch model(s) with monitor stand:</i> <ul style="list-style-type: none">● (WxDxH) 22.4" X 9.7" X 17.4" to 21.7"; 568mm X 247mm X 441.2mm to 551.2mm● 25.5 lb (11.58 kg) in maximum configuration● Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°		
Machine	Security <ul style="list-style-type: none">● Security chip (see information on left)● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) <ul style="list-style-type: none">● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● USB port disablement● Chassis intrusion switch on selected model(s)		
Limited Warranty	EPEAT™ Gold rating ENERGY STAR® 6.0-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant		
	Supports ThinkVantage Technologies		
	For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet		

See footnotes for important warranty information
US model(s) announced August 20, 2013

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(MPHS1-16) September 2013

ThinkCentre M93z (10AF) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Pro-processor	Memory	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key-board/ Mouse	Intel vPro	Global	Preload	Ann date (mm/dd/yy)
10AF0003US	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	N2230	None	None	None	None	Monitor	USB	vPro	None	Win7 Pro64 DG	07/09/13
10AF0004US	i5-4430S	4GBx1	2.0M	500G 7200	HD 4600	N2230	None	None	None	None	Frame	USB	None	None	Win7 Pro64 DG	07/09/13
10AF0005US	i7-4770S	4GBx1	2.0M	1TB 7200	HD 4600	N6235	Media	None	None	None	Monitor	USB	vPro	None	Win7 Pro64 DG	07/09/13
10AF0006US	i5-4670S	4GBx1	2.0M	500G Hybrid	HD 4600	N6235	Media	None	None	None	Monitor	USB	vPro	None	Win7 Pro64 DG	07/09/13
10AF0007US	i5-4570S	4GBx1	2.0M	180G SSD	HD 4600	N2230	None	None	None	None	Frame	USB	vPro	None	Win7 Pro64 DG	07/09/13
10AF0008US	i7-4770S	8GBx1	2.0M	500G Hybrid	HD 4600	N6235	Media	None	None	None	Monitor	USB	vPro	None	Win7 Pro64 DG	07/09/13
10AF000KUS	i5-4570S	4GBx1	2.0M	128G SSD	HD 4600	N2230	None	None	None	None	Monitor	USB	vPro	None	Win7 Pro64 DG	09/10/13
10AF000LUS	i7-4770S	8GBx1	2.0M	1TB 7200	HD 4600	N6235	Media	None	None	None	Monitor	USB	vPro	None	Win7 Pro64 DG	09/10/13
Positioning Processor	<i>Premium All-In-One PC for the enterprise</i> Intel® Core™ i5-4430S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4670S Processor (4 cores / 4 threads, 3.1GHz, 6MB cache), Turbo Boost 2.0 (3.8GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket											Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) ● Rescue and Recovery™ ● Password Manager Preloaded applications (only some listed) ● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Communication Utility ● ThinkVantage Device Experience ● ThinkVantage AutoLock ● Desktop Power Manager ● View Management Utility ● Lenovo Cloud Storage by SugarSync ● Lenovo Solution Center ● Lenovo Message Center Plus ● Norton™ Internet Security (30 days of virus definitions) ● Adobe® Reader® ● Skype™ ● Microsoft Office preloaded; purchase a product key to activate ● Cyberlink PowerDVD (DVD±RW, DVD) ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Evernote ● Intel AppUp ● Lenovo Solutions for Small Business ● Nitro Pro				
Implementation	Processor in LGA1150 socket															
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)															
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 3840x2160 (DisplayPort)@60Hz</i> 23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color , IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector															
Display	Optional ambient light sensor															
Light sensor	None															
Multi-touch	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off															
Camera	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button															
Controls	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors on planar Optional 11-in-1 media card reader															
Disk	Intel Q87 Express Chipset															
Optical	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)															
Onboard SATA	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)															
Media reader	None															
Chipset	One mSATA slot															
Rear ports	One PCI Express® Mini Card slot															
Side ports	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino Advanced-N 6235, Wi-Fi + Bluetooth combo adapter, 2x2															
ExpressCard	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter															
mSATA	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®															
PCIe Mini Card	High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified															
PCIe WLAN	Intel Active Management Technology 9.0 (Intel AMT 9.0)															
Bluetooth	Trusted Platform Module (TPM 1.2-compliant)															
Ethernet	Preferred Pro USB Keyboard (USB connector), Lenovo® logo															
Audio support	Enhanced Optical USB Mouse, black, Lenovo logo															
Intel AMT	150 watts, autosensing, 85% PSU															
Security chip	● Business black color ● Toolless back cover, stand removal ● Toolless disk, optical drive, memory removal ● Support VESA mount (100mm) <i>Non-touch model(s) with frame stand:</i> ● (WxDxH) 22.4" X 3.6" X 17.6"; 568mm X 92.5mm X 447.3 mm ● 21.3 lb (9.68 kg) in maximum configuration ● Adjustable stand (between 10° and 45°) <i>Non-touch model(s) with monitor stand:</i> ● (WxDxH) 22.4" X 9.7" X 17.4" to 21.7"; 568mm X 247mm X 441.2mm to 551.2mm ● 25.5 lb (11.58 kg) in maximum configuration ● Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°															
Keyboard	EPEAT™ Gold rating															
Mouse	ENERGY STAR® 6.0-compliant															
Power supply	TCO Certified Edge															
Machine	TUV Green Mark															
Limited Warranty	ULE Gold															
	EuP 2013															
	Cisco EnergyWise compatible															
	GREENGUARD® certified															
	RoHS-compliant															
	Supports ThinkVantage Technologies															
	For compatible accessories, please go to TC-AQP sheet;															
	For Lenovo service upgrade options, please go to S-TC sheet															

See footnotes for important warranty information
 US model(s) announced July 9, 2013 or September 10, 2013

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 (MPHS1-10) September 2013

ThinkCentre M93z (10AF) - TopSeller - II

Product Specifications Reference (PSREF)

Type-model	Pro-processor	Memory ⁵	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card	Media reader	Light sensor	Serial port	Chassis intrusion switch	Stand type	Key-board/Mouse	Intel vPro	Global	Preload	Ann date (mm/dd/yy)
10AF000FUS	i3-4130	4GBx1	2.0M	500G 7200	HD 4400	N2230	None	None	None	None	Monitor	USB	None	None	Win7 Pro64 DG	08/20/13
10AF000GUS	i3-4130	4GBx1	2.0M	500G 7200	HD 4400	N2230	None	None	None	None	Frame	USB	None	None	Win7 Pro64 DG	08/20/13
10AF000HUS	i3-4130	4GBx1	2.0M	500G Hybrid	HD 4400	N2230	Media	None	None	None	Monitor	USB	None	None	Win7 Pro64 DG	08/20/13
10AF000VUS	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	N2230	None	None	None	None	None	USB	vPro	None	Win7 Pro64 DG	11/12/13
10AF000WUS	i7-4770S	8GBx1	2.0M	256G SSD	HD 4600	N2230	None	None	None	None	Monitor	USB	vPro	None	Win7 Pro64 DG	11/12/13
10AF0010US	i3-4130	4GBx1	2.0M	500G 7200	HD 4400	N7260	None	None	None	None	Monitor	USB	None	None	Win7 P64 DG	Win8.1 01/21/14
10AF0011US	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	N7260	None	None	None	None	Monitor	USB	vPro	None	Win7 P64 DG	Win8.1 01/21/14
10AF001HUS	i5-4590S	4GBx1	2.0M	500G 7200	HD 4600	N7260	None	None	None	None	Monitor	USB	vPro	None	Win7 P64 DG	Win8.1 12/09/14
Positioning Processor	Premium All-In-One PC for the enterprise Intel® Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590S Processor (4 cores / 4 threads, 3.0GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket											Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none"> • Rescue and Recovery™ • Password Manager 				
Implementation																
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)															
Graphics	Intel HD Graphics 4400/4600 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 3840x2160 (DisplayPort)@60Hz															
Display	23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color , IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector															
Light sensor	Optional ambient light sensor															
Multi-touch	None															
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off															
Controls	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button															
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide															
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable															
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors on planar															
Media reader	Optional 11-in-1 media card reader															
Chipset	Intel Q87 Express Chipset															
Rear ports	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)															
Side ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)															
ExpressCard	None															
mSATA	One mSATA slot															
PCIe Mini Card	One PCI Express® Mini Card slot															
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2															
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter															
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®															
Audio support	High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified															
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)															
Security chip	Trusted Platform Module (TPM 1.2-compliant)															
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo															
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo															
Power supply	150 watts, autosensing, 85% PSU															
Machine	<ul style="list-style-type: none"> • Business black color • Toolless back cover, stand removal • Toolless disk, optical drive, memory removal • Support VESA mount (100mm) Non-touch model(s) with frame stand: <ul style="list-style-type: none"> • (WxDxH) 22.4" X 3.6" X 17.6"; 568mm X 92.5mm X 447.3 mm • 21.3 lb (9.68 kg) in maximum configuration • Adjustable stand (between 10° and 45°) Non-touch model(s) with monitor stand: <ul style="list-style-type: none"> • (WxDxH) 22.4" X 9.7" X 17.4" to 21.7"; 568mm X 247mm X 441.2mm to 551.2mm • 25.5 lb (11.58 kg) in maximum configuration • Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45° 											EPEAT™ Gold rating ENERGY STAR® 6.0-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet				
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available															

See footnotes for important warranty information

ThinkCentre M93z (10AD) - Multi-touch (TopSeller) - 1-year onsite

Product Specifications Reference (PSREF)

Type-model	Pro-processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial port	Chassis intrusion switch	Stand type	Key-board/ Mouse	Intel vPro	Global	Preload	Ann date (mm/dd/yy)
10AD001HUS	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	N2230	None	None	None	None	Frame	USB	vPro	None	Win7 Pro64	DG 08/13/13
10AD001MUS	G3220	4GBx1	2.0M	500G 7200	Intel HD	N105	None	None	None	None	Frame	USB	None	None	Win7 Pro64	DG 08/20/13

• Small and medium business (SMB) model(s), part of the US TopSeller™ Program

Positioning Processor	Premium All-In-One PC for the enterprise Intel® Pentium® G3220 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller	Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Device Experience• ThinkVantage AutoLock• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Lenovo Solutions for Small Business• Nitro Pro
Implementation	Processor in LGA1150 socket	
Memory	16GB max, PC3-12800 1600MHz DDR3* , two 204-pin SODIMM sockets (notebook) *System automatically clocks down for processors with 1333MHz memory controller	
Graphics	Intel HD Graphics or HD Graphics 4600 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Max resolution:</i> 3840x2160 (DP)@60Hz [HD 4x00]; 2560x1600 (DP)@60Hz [Intel HD]	
Display	23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color , IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector	
Light sensor	Optional ambient light sensor	
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch	
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off	
Controls	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button	
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm	
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable	
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors on planar	
Media reader	Optional 11-in-1 media card reader	
Chipset	Intel Q87 Express Chipset	
Rear ports	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)	
Side ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)	
ExpressCard	None	
mSATA	One mSATA slot	
PCIe Mini Card	One PCI Express® Mini Card slot	
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2	
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter	
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®	
Audio support	High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified	
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)	
Security chip	Trusted Platform Module (TPM 1.2-compliant)	
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo	
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Power supply	150 watts, autosensing, 85% PSU	
Machine	<ul style="list-style-type: none">• Business black color• Toolless back cover, stand removal• Toolless disk, optical drive, memory removal• Support VESA mount (100mm) Multi-touch model(s) with frame stand: <ul style="list-style-type: none">• (WxDxH) 22.4" X 3.7" X 17.6"; 568mm X 93.1mm X 447.3 mm• 24.7 lb (11.22 kg) in maximum configuration• Adjustable stand (between 10° and 45°) Multi-touch model(s) with monitor stand: <ul style="list-style-type: none">• (WxDxH) 22.4" X 9.7" X 17.4" to 21.7"; 568mm X 247mm X 441.2mm to 551.2mm• 28.9 lb (13.12 kg) in maximum configuration• Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°	
Limited Warranty	1-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available	Security <ul style="list-style-type: none">• Security chip (see information on left)• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• USB port disablement• Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 6.0-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet

See footnotes for important warranty information

US model(s) announced August 13, 2013 or August 20, 2013

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(MPHS1-13) September 2013

ThinkCentre M93z (10AD) - Multi-touch (TopSeller)

Product Specifications Reference (PSREF)

Type-model	Pro-cessor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key-board/ Mouse	Intel vPro	Global	Preload	Ann date (mm/dd/yy)
10AD0001US	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	N2230	None	None	None	None	Monitor	USB	vPro	None	Win7 Pro64	DG 07/09/13
10AD0003US	i5-4430S	4GBx1	2.0M	500G 7200	HD 4600	N2230	None	None	None	None	Frame	USB	None	None	Win7 Pro64	DG 07/09/13
10AD0004US	i7-4770S	4GBx1	2.0M	1TB 7200	HD 4600	N6235	Media	None	None	None	Monitor	USB	vPro	None	Win7 Pro64	DG 07/09/13
10AD0005US	i5-4570S	4GBx1	2.0M	500G Hybrid	HD 4600	N2230	None	None	None	None	Frame	USB	vPro	None	Win7 Pro64	DG 07/09/13
10AD0008US	i7-4770S	8GBx1	2.0M	1TB 7200	HD 4600	N6235	Media	None	None	None	Monitor	2.4G	vPro	None	Win7 Pro64	DG 07/09/13
10AD0009US	i5-4570S	4GBx1	2.0M	180G SSD	HD 4600	N2230	None	None	None	None	Monitor	USB	vPro	None	Win7 Pro64	DG 07/09/13
10AD001GUS	i5-4570S	4GBx1	2.0M	128G SSD	HD 4600	N2230	None	None	None	None	Monitor	USB	vPro	None	Win7 Pro64	DG 08/13/13

Positioning Processor	<i>Premium All-In-One PC for the enterprise</i> Intel® Core™ i5-4430S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket	Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) • Rescue and Recovery™ • Password Manager
Implementation	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)	Preloaded applications (only some listed) • ThinkVantage® Product Recovery • ThinkVantage System Update • ThinkVantage Communication Utility • ThinkVantage Device Experience • ThinkVantage AutoLock • Desktop Power Manager • View Management Utility • Lenovo Cloud Storage by SugarSync • Lenovo Solution Center • Lenovo Message Center Plus • Norton™ Internet Security (30 days of virus definitions) • Adobe® Reader® • Skype™ • Microsoft Office preloaded; purchase a product key to activate • Cyberlink PowerDVD (DVD±RW, DVD) • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) • Evernote • Intel AppUp • Lenovo Solutions for Small Business • Nitro Pro
Memory		
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 3840x2160 (DisplayPort)@60Hz</i>	
Display	23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color , IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector	
Light sensor	Optional ambient light sensor	
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch	
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off	
Controls	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button	
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide	
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable	
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors on planar	
Media reader	Optional 11-in-1 media card reader	
Chipset	Intel Q87 Express Chipset	
Rear ports	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)	
Side ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)	
ExpressCard	None	
mSATA	One mSATA slot	
PCIe Mini Card	One PCI Express® Mini Card slot	
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino Advanced-N 6235, Wi-Fi + Bluetooth combo adapter, 2x2	
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter	
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®	
Audio support	High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified	
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)	
Security chip	Trusted Platform Module (TPM 1.2-compliant)	
Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), Lenovo® logo <i>Some:</i> Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black	
Mouse	<i>Some:</i> Enhanced Optical USB Mouse, black, Lenovo logo <i>Some:</i> Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black	
Power supply	150 watts, autosensing, 85% PSU	
Machine	• Business black color • Toolless back cover, stand removal • Toolless disk, optical drive, memory removal • Support VESA mount (100mm) <i>Multi-touch model(s) with frame stand:</i> • (WxDxH) 22.4" X 3.7" X 17.6"; 568mm X 93.1mm X 447.3 mm • 24.7 lb (11.22 kg) in maximum configuration • Adjustable stand (between 10° and 45°) <i>Multi-touch model(s) with monitor stand:</i> • (WxDxH) 22.4" X 9.7" X 17.4" to 21.7"; 568mm X 247mm X 441.2mm to 551.2mm • 28.9 lb (13.12 kg) in maximum configuration • Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°	
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available	Security • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard and mouse • USB port disablement • Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 6.0-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet

See footnotes for important warranty information
 US model(s) announced July 9, 2013 or August 13, 2013

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 (MPHS1-5) August 2013

ThinkCentre M93z (10AD) - Multi-touch (TopSeller) - II

Product Specifications Reference (PSREF)

Type-model	Pro-processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key-board/Mouse	Intel vPro	Global	Preload	Ann date (mm/dd/yy)
10AD001JUS	i3-4130	4GBx1	2.0M	500G 7200	HD 4400	N2230	None	None	None	None	Monitor	USB	None	None	Win7 Pro64 DG	08/20/13
10AD001KUS	i3-4130	4GBx1	2.0M	500G Hybrid	HD 4400	N2230	Media	None	None	None	Monitor	USB	None	None	Win7 Pro64 DG	08/20/13
10AD001LUS	i3-4130	4GBx1	2.0M	500G 7200	HD 4400	N2230	None	None	None	None	Frame	USB	None	None	Win7 Pro64 DG	08/20/13
10AD0020US	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	N6235	Media	None	None	None	None	USB	vPro	None	Win7 Pro64 DG	11/12/13
10AD0021US	i3-4130	4GBx1	2.0M	500G 7200	HD 4400	N2230	None	None	None	None	None	USB	None	None	Win7 Pro64 DG	11/12/13
10AD0022US	i5-4570S	4GBx1	2.0M	256G SSD	HD 4600	N2230	Media	None	None	None	Monitor	USB	vPro	None	Win7 Pro64 DG	11/12/13

• Small and medium business (SMB) model(s), part of the US TopSeller™ Program

Positioning Processor	Premium All-In-One PC for the enterprise Intel® Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller	Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
Implementation	Processor in LGA1150 socket	Ready to install applications (only some listed)
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)	<ul style="list-style-type: none">● Rescue and Recovery™● Password Manager
Graphics	Intel HD Graphics 4400/4600 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 3840x2160 (DisplayPort)@60Hz</i>	Preloaded applications (only some listed)
Display	23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color , IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector	<ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Device Experience● ThinkVantage AutoLock● Desktop Power Manager● View Management Utility● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Microsoft Office preloaded; purchase a product key to activate● Cyberlink PowerDVD (DVD±RW, DVD)● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)
Light sensor	Optional ambient light sensor	<ul style="list-style-type: none">● Evernote● Intel AppUp● Lenovo Solutions for Small Business● Nitro Pro
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch	
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off	
Controls	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button	
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide	
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable	
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors on planar	
Media reader	Optional 11-in-1 media card reader	
Chipset	Intel Q87 Express Chipset	
Rear ports	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)	
Side ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)	
ExpressCard	None	
mSATA	One mSATA slot	
PCIe Mini Card	One PCI Express® Mini Card slot	
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino Advanced-N 6235, Wi-Fi + Bluetooth combo adapter, 2x2	Security <ul style="list-style-type: none">● Security chip (see information on left)● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● USB port disablement● Chassis intrusion switch on selected model(s)
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter	
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®	
Audio support	High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified	
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)	
Security chip	Trusted Platform Module (TPM 1.2-compliant)	
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo	
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Power supply	150 watts, autosensing, 85% PSU	
Machine	<ul style="list-style-type: none">● Business black color● Toolless back cover, stand removal● Toolless disk, optical drive, memory removal● Support VESA mount (100mm) <i>Multi-touch model(s) with frame stand:</i> <ul style="list-style-type: none">● (WxDxH) 22.4" X 3.7" X 17.6"; 568mm X 93.1mm X 447.3 mm● 24.7 lb (11.22 kg) in maximum configuration● Adjustable stand (between 10° and 45°) <i>Multi-touch model(s) with monitor stand:</i> <ul style="list-style-type: none">● (WxDxH) 22.4" X 9.7" X 17.4" to 21.7"; 568mm X 247mm X 441.2mm to 551.2mm● 28.9 lb (13.12 kg) in maximum configuration● Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°	EPEAT™ Gold rating ENERGY STAR® 6.0-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available	Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet

See footnotes for important warranty information

US model(s) announced August 20, 2013 or November 12, 2013

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(MPHS1-12) November 2013

ThinkCentre M93z (10AD) - Multi-touch (TopSeller) - III

Product Specifications Reference (PSREF)

Type-model	Pro-processor	Memory	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial port	Chassis intrusion switch	Stand type	Key-board/ Mouse	Intel vPro	Global	Preload	Ann date (mm/dd/yy)
10AD0024US	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	N7260	Media	None	None	None	Monitor	USB	vPro	None	Win7 P64 DG	Win8.1 01/21/14
10AD0025US	i7-4770S	4GBx1	2.0M	500G Hybrid	HD 4600	N7260	Media	None	None	None	Monitor	USB	vPro	None	Win7 P64 DG	Win8.1 01/21/14
10AD0026US	i3-4130	4GBx1	2.0M	500G 7200	HD 4400	N7260	None	None	None	None	Monitor	USB	None	None	Win7 P64 DG	Win8.1 01/21/14
10AD0027US	i3-4130	4GBx1	2.0M	500G 7200	HD 4400	N7260	None	None	None	None	Frame	USB	None	None	Win7 P64 DG	Win8.1 01/21/14

• Small and medium business (SMB) model(s), part of the US TopSeller™ Program

Positioning Processor	Premium All-In-One PC for the enterprise Intel® Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket										Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none"> • Rescue and Recovery™ • Password Manager 						
Implementation	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)										Preloaded applications (only some listed) <ul style="list-style-type: none"> • ThinkVantage® Product Recovery • ThinkVantage System Update • ThinkVantage Communication Utility • ThinkVantage Device Experience • ThinkVantage AutoLock • Desktop Power Manager • View Management Utility • Lenovo Cloud Storage by SugarSync • Lenovo Solution Center • Lenovo Message Center Plus • Norton™ Internet Security (30 days of virus definitions) • Adobe® Reader® • Skype™ • Microsoft Office preloaded; purchase a product key to activate • Cyberlink PowerDVD (DVD±RW, DVD) • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) • Evernote • Intel AppUp • Lenovo Solutions for Small Business • Nitro Pro 						
Graphics	Intel HD Graphics 4400/4600 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 3840x2160 (DisplayPort)@60Hz</i> 23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color , IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector																
Display																	
Light sensor	Optional ambient light sensor																
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch																
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off																
Controls	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button																
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide																
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable																
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors on planar																
Media reader	Optional 11-in-1 media card reader																
Chipset	Intel Q87 Express Chipset																
Rear ports	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)																
Side ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)																
ExpressCard	None																
mSATA	One mSATA slot																
PCIe Mini Card	One PCI Express® Mini Card slot																
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2																
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter																
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®																
Audio support	High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified																
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)																
Security chip	Trusted Platform Module (TPM 1.2-compliant)																
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo																
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo																
Power supply	150 watts, autosensing, 85% PSU																
Machine	<ul style="list-style-type: none"> • Business black color • Toolless back cover, stand removal • Toolless disk, optical drive, memory removal • Support VESA mount (100mm) Multi-touch model(s) with frame stand: <ul style="list-style-type: none"> • (WxDxH) 22.4" X 3.7" X 17.6"; 568mm X 93.1mm X 447.3 mm • 24.7 lb (11.22 kg) in maximum configuration • Adjustable stand (between 10° and 45°) Multi-touch model(s) with monitor stand: <ul style="list-style-type: none"> • (WxDxH) 22.4" X 9.7" X 17.4" to 21.7"; 568mm X 247mm X 441.2mm to 551.2mm • 28.9 lb (13.12 kg) in maximum configuration • Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45° 										EPEAT™ Gold rating ENERGY STAR® 6.0-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies						
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available										For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet						

See footnotes for important warranty information
US model(s) announced January 21, 2014

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ThinkCentre M93z (10AD) - Multi-touch (TopSeller) - IV

Product Specifications Reference (PSREF)

Type-model	Pro- cessor	Memory ^a	Camera (mega- pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key- board/ Mouse	Intel vPro	Global	Preload	Ann date (mm/yy)
10AD002LUS	i3-4150	4GBx1	2.0M	500G 7200	HD 4400	N7260	Media	None	None	None	Monitor	USB	None	None	Win7 P64 DG	Win8.1 10/14
10AD002GUS	i5-4590S	4GBx1	2.0M	1TB 7200	HD 4600	N7260	None	None	None	None	Monitor	USB	vPro	None	Win7 P64 DG	Win8.1 10/14
10AD002RUS	i7-4790S	8GBx1	2.0M	1TB 7200	HD 4600	N7260	None	None	None	None	Monitor	USB	vPro	None	Win7 P64 DG	Win8.1 10/14
10AD002PUS	i7-4790S	4GBx1	2.0M	500G 7200	HD 4600	N7260	None	None	None	None	Monitor	USB	vPro	None	Win7 P64 DG	Win8.1 10/14
10AD002NUS	i3-4150	4GBx1	2.0M	180G SSD	HD 4400	N7260	Media	None	None	None	Frame	USB	None	None	Win7 P64 DG	Win8.1 10/14
10AD002MUS	i3-4150	4GBx1	2.0M	500G 7200	HD 4400	N7260	Media	None	None	None	Frame	USB	None	None	Win7 P64 DG	Win8.1 10/14
10AD002SUS	i7-4790S	4GBx1	2.0M	180G SSD	HD 4600	N7260	None	None	None	None	Monitor	USB	vPro	None	Win7 P64 DG	Win8.1 10/14
10AD002QUS	i7-4790S	8GBx1	2.0M	256G SSD	HD 4600	N7260	None	None	None	None	Monitor	USB	vPro	None	Win7 P64 DG	Win8.1 10/14
10AD002KUS	i5-4590S	4GBx1	2.0M	500G 7200	HD 4600	N7260	None	Sensor	None	None	Frame	USB	vPro	None	Win7 P64 DG	Win8.1 10/14
10AD002HUS	i5-4590S	8GBx1	2.0M	256G SSD	HD 4600	N7260	None	None	None	None	Monitor	USB	vPro	None	Win7 P64 DG	Win8.1 10/14

Positioning Processor	<i>Premium All-In-One PC for the enterprise</i> Intel® Core™ i3-4150 Processor (2 cores / 4 threads, 3.5GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4590S Processor (4 cores / 4 threads, 3.0GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4790S Processor (4 cores / 8 threads, 3.2GHz, 8MB cache), Turbo Boost 2.0 (4.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller	Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Device Experience• ThinkVantage AutoLock• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Lenovo Solutions for Small Business• Nitro Pro
Implementation	Processor in LGA1150 socket	
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)	
Graphics	Intel HD Graphics 4400/4600 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 3840x2160 (DisplayPort) @60Hz</i> 23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color , IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector	
Display	Optional ambient light sensor	
Light sensor	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch	
Multi-touch	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array	
Camera	digital microphone, LED indicator, physical switch on/off	
Controls	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button	
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide	
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable	
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors on planar	
Media reader	Optional 11-in-1 media card reader	
Chipset	Intel Q87 Express Chipset	
Rear ports	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)	
Side ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)	
ExpressCard	None	
mSATA	One mSATA slot	
PCIe Mini Card	One PCI Express® Mini Card slot	
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2	
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter	
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®	
Audio support	High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified	
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)	
Security chip	Trusted Platform Module (TPM 1.2-compliant)	
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo	
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Power supply	150 watts, autosensing, 85% PSU	
Machine	<ul style="list-style-type: none">• Business black color• Toolless back cover, stand removal• Toolless disk, optical drive, memory removal• Support VESA mount (100mm) <i>Multi-touch model(s) with frame stand:</i> <ul style="list-style-type: none">• (WxDxH) 22.4" X 3.7" X 17.6"; 568mm X 93.1mm X 447.3 mm• 24.7 lb (11.22 kg) in maximum configuration• Adjustable stand (between 10° and 45°) <i>Multi-touch model(s) with monitor stand:</i> <ul style="list-style-type: none">• (WxDxH) 22.4" X 9.7" X 17.4" to 21.7"; 568mm X 247mm X 441.2mm to 551.2mm• 28.9 lb (13.12 kg) in maximum configuration• Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°	
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available	Security <ul style="list-style-type: none">• Security chip (see information on left)• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• USB port disablement• Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 6.0-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet

See footnotes for important warranty information

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ThinkCentre M93z (10AD) - Multi-touch (TopSeller) - V

Product Specifications Reference (PSREF)

Type-model	Pro- cessor	Memory ^a	Camera (mega- pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key- board/ Mouse	Intel vPro	Global	Preload	Ann date (mm/yy)
10AD002FUS	i5-4590S	4GBx1	2.0M	500G 7200	HD 4600	N7260	None	None	None	None	Monitor	USB	vPro	None	Win7 P64 DG	Win8.1 10/14
10AD002JUS	i5-4590S	4GBx1	2.0M	180G SSD	HD 4600	N7260	None	Sensor	None	None	Monitor	USB	vPro	None	Win7 P64 DG	Win8.1 10/14

Positioning Processor	<i>Premium All-In-One PC for the enterprise</i> Intel® Core™ i3-4150 Processor (2 cores / 4 threads, 3.5GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4590S Processor (4 cores / 4 threads, 3.0GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4790S Processor (4 cores / 8 threads, 3.2GHz, 8MB cache), Turbo Boost 2.0 (4.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Device Experience• ThinkVantage AutoLock• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Lenovo Solutions for Small Business• Nitro Pro	
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)			
Graphics	Intel HD Graphics 4400/4600 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 3840x2160 (DisplayPort)@60Hz</i> 23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color, IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector			
Display	Optional ambient light sensor Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off			
Light sensor	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button			
Multi-touch				
Camera				
Controls				
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors on planar Optional 11-in-1 media card reader			
Optical				
Onboard SATA				
Media reader				
Chipset	Intel Q87 Express Chipset			
Rear ports	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)			
Side ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)			
ExpressCard	None			
mSATA	One mSATA slot			
PCIe Mini Card	One PCI Express® Mini Card slot			
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2			
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter			
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®			
Audio support	High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified Intel Active Management Technology 9.0 (Intel AMT 9.0) Trusted Platform Module (TPM 1.2-compliant)			
Intel AMT				
Security chip				
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Power supply	150 watts, autosensing, 85% PSU			
Machine	<ul style="list-style-type: none">• Business black color• Toolless back cover, stand removal• Toolless disk, optical drive, memory removal• Support VESA mount (100mm) <i>Multi-touch model(s) with frame stand:</i> <ul style="list-style-type: none">• (WxDxH) 22.4" X 3.7" X 17.6"; 568mm X 93.1mm X 447.3 mm• 24.7 lb (11.22 kg) in maximum configuration• Adjustable stand (between 10° and 45°) <i>Multi-touch model(s) with monitor stand:</i> <ul style="list-style-type: none">• (WxDxH) 22.4" X 9.7" X 17.4" to 21.7"; 568mm X 247mm X 441.2mm to 551.2mm• 28.9 lb (13.12 kg) in maximum configuration• Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°		Security <ul style="list-style-type: none">• Security chip (see information on left)• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• USB port disablement• <i>Chassis intrusion switch on selected model(s)</i> EPEAT™ Gold rating ENERGY STAR® 6.0-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies	
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet	

See footnotes for important warranty information

ThinkCentre M93z (10AD) - Multi-touch (TopSeller) - Windows 8

Product Specifications Reference (PSREF)

Type-model	Pro-cessor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key-board/ Mouse	Intel vPro	Global	Preload	Ann date (mm/dd/yy)
10AD0002US	i5-4670S	4GBx1	2.0M	500G 7200	HD 4600	N2230	Media	None	None	None	Monitor	2.4G	vPro	None	Win8 Pro64	07/09/13
10AD0006US	i7-4770S	8GBx1	2.0M	500G Hybrid	HD 4600	N2230	Media	None	None	None	Frame	2.4G	vPro	None	Win8 Pro64	07/09/13
10AD0007US	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	N6235	Media	None	None	None	Monitor	2.4G	vPro	None	Win8 Pro64	07/09/13
10AD001DUS	i5-4670S	4GBx1	2.0M	500G 7200	HD 4600	N2230	Media	Sensor	None	None	Monitor	USB	vPro	None	Win8 Pro64	07/23/13
10AD001EUS	i5-4670S	4GBx1	2.0M	1TB 7200	HD 4600	N2230	Media	None	None	None	Monitor	USB	vPro	None	Win8 Pro64	07/23/13
10AD001FUS	i7-4770S	8GBx1	2.0M	1TB 7200	HD 4600	N6235	Media	Sensor	None	None	Monitor	USB	vPro	None	Win8 Pro64	07/23/13
10AD001NUS	i3-4130	4GBx1	2.0M	500G 7200	HD 4400	N2230	Media	None	None	None	Monitor	USB	None	None	Win8 Pro64	08/20/13
Positioning Processor	<i>Premium All-In-One PC for the enterprise</i> Intel® Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4670S Processor (4 cores / 4 threads, 3.1GHz, 6MB cache), Turbo Boost 2.0 (3.8GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket											Preloaded operating system Windows® 8 Pro 64-bit Web install applications (only some listed) • Password Manager Preloaded applications (only some listed) • ThinkVantage System Update • ThinkVantage AutoLock • Desktop Power Manager • View Management Utility • Lenovo Cloud Storage by SugarSync • Lenovo Solution Center • Lenovo Support • Lenovo Companion • Norton Internet Security (30 days of virus definitions) • Skype™ • Microsoft Office preloaded; purchase a product key to activate • Cyberlink PowerDVD (DVD±RW, DVD) • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) • Evernote® • Intel AppUp • Lenovo Solutions for Small Business • Nitro Pro • AccuWeather • Norton™ Studio				
Implementation	Processor in LGA1150 socket															
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)															
Graphics	Intel HD Graphics 4400 or 4600 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 3840x2160 (DisplayPort) @60Hz															
Display	23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color , IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector															
Light sensor	Optional ambient light sensor															
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch															
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off															
Controls	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button															
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide															
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable															
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors on planar															
Media reader	Optional 11-in-1 media card reader															
Chipset	Intel Q87 Express Chipset															
Rear ports	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)															
Side ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)															
ExpressCard	None															
mSATA	One mSATA slot															
PCIe Mini Card	One PCI Express® Mini Card slot															
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino Advanced-N 6235, Wi-Fi + Bluetooth combo adapter, 2x2															
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter															
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®															
Audio support	High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified															
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)															
Security chip	Trusted Platform Module (TPM 1.2-compliant)															
Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), Lenovo® logo <i>Some:</i> Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black															
Mouse	<i>Some:</i> Enhanced Optical USB Mouse, black, Lenovo logo <i>Some:</i> Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black															
Power supply	150 watts, autosensing, 85% PSU															
Machine	• Business black color • Toolless back cover, stand removal • Toolless disk, optical drive, memory removal • Support VESA mount (100mm) <i>Multi-touch model(s) with frame stand:</i> • (WxDxH) 22.4" X 3.7" X 17.6"; 568mm X 93.1mm X 447.3 mm • 24.7 lb (11.22 kg) in maximum configuration • Adjustable stand (between 10° and 45°) <i>Multi-touch model(s) with monitor stand:</i> • (WxDxH) 22.4" X 9.7" X 17.4" to 21.7"; 568mm X 247mm X 441.2mm to 551.2mm • 28.9 lb (13.12 kg) in maximum configuration • Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°											EPEAT™ Gold rating ENERGY STAR® 6.0-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet				
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available															

ThinkCentre M93z (10AD) - Multi-touch (TopSeller) - Windows 8.1

Product Specifications Reference (PSREF)

Type-model	Pro-processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial port	Chassis intrusion switch	Stand type	Key-board/ Mouse	Intel vPro	Global	Preload	Ann date (mm/dd/yy)
10AD0028US	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	N7260	Media	Sensor	None	None	Frame	USB	vPro	None	Win8.1	Pro64 01/21/14
10AD0029US	i5-4670S	4GBx1	2.0M	500G 7200	HD 4600	N7260	Media	Sensor	None	None	Monitor	USB	vPro	None	Win8.1	Pro64 01/21/14

Positioning	<i>Premium All-In-One PC for the enterprise</i>											Preloaded operating system				
Processor	Intel® Core™ i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4670S Processor (4 cores / 4 threads, 3.1GHz, 6MB cache), Turbo Boost 2.0 (3.8GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket											Windows® 8.1 Pro 64-bit				
Implementation												Web install applications (only some listed)				
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)											• Password Manager				
Graphics	Intel HD Graphics 4400 or 4600 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 3840x2160 (DisplayPort)@60Hz											Preloaded applications (only some listed)				
Display	23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color , IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector											• ThinkVantage System Update				
Light sensor	Optional ambient light sensor											• ThinkVantage AutoLock				
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch											• Desktop Power Manager				
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off											• Lenovo Solution Center				
Controls	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button											• Lenovo Support				
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm											• Lenovo Companion				
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable											• Norton Internet Security (30 days of virus definitions)				
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors on planar											• Skype™				
Media reader	Optional 11-in-1 media card reader											• Microsoft Office preloaded; purchase a product key to activate				
Chipset	Intel Q87 Express Chipset											• Cyberlink PowerDVD (DVD±RW, DVD)				
Rear ports	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)											• Cyberlink Power2Go (DVD±RW)				
Side ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)											• Cyberlink PowerProducer (DVD±RW)				
ExpressCard	None											• Evernote®				
mSATA	One mSATA slot											• Intel AppUp				
PCIe Mini Card	One PCI Express® Mini Card slot											• Lenovo Solutions for Small Business				
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2											• Nitro Pro				
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter											• AccuWeather				
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®											• Norton™ Studio				
Audio support	High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified											• Pokki				
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)											• Hightail				
Security chip	Trusted Platform Module (TPM 1.2-compliant)											Security				
Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), Lenovo® logo											• Security chip (see information on left)				
Mouse	<i>Some:</i> Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black											• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)				
Power supply	<i>Some:</i> Enhanced Optical USB Mouse, black, Lenovo logo											• Power-on password				
Machine	<i>Some:</i> Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black											• Administrator password				
	150 watts, autosensing, 85% PSU											• Hard disk password				
	<ul style="list-style-type: none"> • Business black color • Toolless back cover, stand removal • Toolless disk, optical drive, memory removal • Support VESA mount (100mm) 											• Boot sequence control				
	<i>Multi-touch model(s) with frame stand:</i>											• Boot without keyboard and mouse				
	<ul style="list-style-type: none"> • (WxDxH) 22.4" X 3.7" X 17.6"; 568mm X 93.1mm X 447.3 mm • 24.7 lb (11.22 kg) in maximum configuration • Adjustable stand (between 10° and 45°) 											• USB port disablement				
	<i>Multi-touch model(s) with monitor stand:</i>											• Chassis intrusion switch on selected model(s)				
	<ul style="list-style-type: none"> • (WxDxH) 22.4" X 9.7" X 17.4" to 21.7"; 568mm X 247mm X 441.2mm to 551.2mm • 28.9 lb (13.12 kg) in maximum configuration • Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45° 											EPEAT™ Gold rating				
												ENERGY STAR® 6.0-compliant				
												TCO Certified Edge				
												TUV Green Mark				
												ULE Gold				
												EuP 2013				
												Cisco EnergyWise compatible				
												GREENGUARD® certified				
												RoHS-compliant				
												Supports ThinkVantage Technologies				
												For compatible accessories, please go to TC-AQP sheet;				
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available											For Lenovo service upgrade options, please go to S-TC sheet				

ThinkCentre M93z (10AE)

Product Specifications Reference (PSREF)

Type-model	Pro-processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial port	Chassis intrusion switch	Stand type	Key-board/ Mouse	Intel vPro	Global	Preload	Ann date (mm/dd/yy)
10AE000FUS	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	N2230	None	None	None	None	Monitor	USB	vPro	None	Win7 Pro64 DG	07/09/13
10AE000GUS	i7-4770S	4GBx1	2.0M	1TB 7200	HD 4600	N6235	Media	None	None	None	Monitor	USB	vPro	None	Win7 Pro64 DG	07/09/13
10AE000HUS	i5-4430S	4GBx1	2.0M	500G 7200	HD 4600	N2230	None	None	None	None	Frame	USB	None	None	Win7 Pro64 DG	07/09/13
10AE000YUS	i5-4570S	4GBx1	2.0M	500G Hybrid	HD 4600	N2230	Media	None	None	None	Frame	USB	vPro	None	Win7 Pro64 DG	07/09/13

●3-year limited warranty

Positioning	Premium All-In-One PC for the enterprise		Preloaded operating system
Processor	Intel® Core™ i5-4430S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i7-4770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1150 socket		
Implementation	Processor in LGA1150 socket		Preloaded applications (only some listed)
Memory	16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; Maximum resolution: 3840x2160 (DisplayPort)@60Hz		● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Communication Utility ● ThinkVantage Device Experience ● ThinkVantage AutoLock ● Desktop Power Manager ● View Management Utility ● Lenovo Cloud Storage by SugarSync ● Lenovo Solution Center ● Lenovo Message Center Plus ● Norton™ Internet Security (30 days of virus definitions) ● Adobe® Reader® ● Skype™ ● Microsoft Office preloaded; purchase a product key to activate ● Cyberlink PowerDVD (DVD±RW, DVD) ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Evernote ● Intel AppUp ● Lenovo Solutions for Small Business ● Nitro Pro
Display	23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color, IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector		
Light sensor	Optional ambient light sensor		Security
Multi-touch	None		
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off		● Security chip (see information on left) ● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) ● Power-on password ● Administrator password ● Hard disk password ● Boot sequence control ● Boot without keyboard and mouse ● USB port disablement ● Chassis intrusion switch on selected model(s)
Controls	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button		
Disk	Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm Some: 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide		EPEAT™ Gold rating ENERGY STAR® 6.0-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors on planar		Supports ThinkVantage Technologies
Media reader	Optional 11-in-1 media card reader		
Chipset	Intel Q87 Express Chipset		For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet
Rear ports	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)		
Side ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)		
ExpressCard	None		
mSATA	One mSATA slot		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 Some: 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino Advanced-N 6235, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®		
Audio support	High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified Intel Active Management Technology 9.0 (Intel AMT 9.0)		
Intel AMT	Trusted Platform Module (TPM 1.2-compliant)		
Security chip			
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	150 watts, autosensing, 85% PSU		
Machine	● Business black color ● Toolless back cover, stand removal ● Toolless disk, optical drive, memory removal ● Support VESA mount (100mm) Non-touch model(s) with frame stand: ● (WxDxH) 22.4" X 3.6" X 17.6"; 568mm X 92.5mm X 447.3 mm ● 21.3 lb (9.68 kg) in maximum configuration ● Adjustable stand (between 10° and 45°) Non-touch model(s) with monitor stand: ● (WxDxH) 22.4" X 9.7" X 17.4" to 21.7"; 568mm X 247mm X 441.2mm to 551.2mm ● 25.5 lb (11.58 kg) in maximum configuration ● Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°		
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		

See footnotes for important warranty information
US model(s) announced July 9, 2013

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(MPHS1-7) July 2013

ThinkCentre M93z (10AE) - II

Product Specifications Reference (PSREF)

Type-model	Pro- cessor	Memory ^a	Camera (mega- pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key- board/ Mouse	Intel vPro	Global	Preload	Ann date (mm/dd/yy)
10AE001GUS	i3-4130	4GBx1	2.0M	500G 7200	HD 4400	N2230	None	None	None	None	Monitor	USB	None	None	Win7 P64 DG Win8	08/20/13
10AE001HUS	G3220	4GBx1	2.0M	500G 7200	Intel HD	N105	None	None	None	None	Frame	USB	None	None	Win7 P64 DG Win8	08/20/13
10AE001JUS	i3-4130	4GBx1	2.0M	500G Hybrid	HD 4400	N2230	None	None	None	None	Monitor	USB	None	None	Win7 P64 DG Win8	08/20/13
10AE002TUS	i5-4590S	4GBx1	2.0M	256G SSD	HD 4600	N7260	Media	None	None	None	Monitor	USB	vPro	None	Win7 P64 DG Win8.1	01/06/15
10AE002UUS	i7-4790S	8GBx1	2.0M	1TB 7200	HD 4600	N7260	Media	None	None	None	Monitor	USB	vPro	None	Win7 P64 DG Win8.1	01/06/15
10AE002SUS	i5-4590S	4GBx1	2.0M	500G 7200	HD 4600	N7260	Media	None	None	None	Frame	USB	vPro	None	Win7 P64 DG Win8.1	01/06/15
10AE002RUS	i3-4150	4GBx1	2.0M	500G 7200	HD 4400	N7260	Media	None	None	None	Frame	USB	None	None	Win7 P64 DG Win8.1	01/06/15
Positioning Processor	Premium All-In-One PC for the enterprise Intel® Pentium® G3220 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i3-4150 Processor (2 cores / 4 threads, 3.5GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4590S Processor (4 cores / 4 threads, 3.0GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4790S Processor (4 cores / 8 threads, 3.2GHz, 8MB cache), Turbo Boost 2.0 (4.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket											Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8/8.1 Pro 64-bit Ready to install applications (only some listed) • Rescue and Recovery™ • Password Manager Preloaded applications (only some listed) • ThinkVantage® Product Recovery • ThinkVantage System Update • ThinkVantage Communication Utility • ThinkVantage Device Experience • ThinkVantage AutoLock • Desktop Power Manager • View Management Utility • Lenovo Cloud Storage by SugarSync • Lenovo Solution Center • Lenovo Message Center Plus • Norton™ Internet Security (30 days of virus definitions) • Adobe® Reader® • Skype™ • Microsoft Office preloaded; purchase a product key to activate • Cyberlink PowerDVD (DVD±RW, DVD) • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) • Evernote • Intel AppUp • Lenovo Solutions for Small Business • Nitro Pro				
Implementation																
Memory	16GB max, PC3-12800 1600MHz DDR3* , two 204-pin SODIMM sockets (notebook) *System automatically clocks down for processors with 1333MHz memory controller															
Graphics	Intel HD Graphics or HD Graphics 4400 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Max resolution:</i> 3840x2160 (DP)@60Hz [HD 4x00]; 2560x1600 (DP)@60Hz [Intel HD] 23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color , IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector Optional ambient light sensor															
Display																
Light sensor	Optional ambient light sensor															
Multi-touch	None															
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off															
Controls	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button															
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide															
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable															
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors on planar															
Media reader	Optional 11-in-1 media card reader															
Chipset	Intel Q87 Express Chipset															
Rear ports	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)															
Side ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)															
ExpressCard	None															
mSATA	One mSATA slot															
PCIe Mini Card	One PCI Express® Mini Card slot															
PCIe WLAN	<i>Some:</i> 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 <i>Some:</i> 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + BT, 2x2 <i>Some:</i> 11b/g/n, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + BT, 2x2															
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter															
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®															
Audio support	High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified Intel Active Management Technology 9.0 (Intel AMT 9.0) Trusted Platform Module (TPM 1.2-compliant)															
Intel AMT																
Security chip																
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo															
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo															
Power supply	150 watts, autosensing, 85% PSU															
Machine	• Business black color • Toolless back cover, stand removal • Toolless disk, optical drive, memory removal • Support VESA mount (100mm) <i>Non-touch model(s) with frame stand:</i> • (WxDxH) 22.4" X 3.6" X 17.6"; 568mm X 92.5mm X 447.3 mm • 21.3 lb (9.68 kg) in maximum configuration • Adjustable stand (between 10° and 45°) <i>Non-touch model(s) with monitor stand:</i> • (WxDxH) 22.4" X 9.7" X 17.4" to 21.7"; 568mm X 247mm X 441.2mm to 551.2mm • 25.5 lb (11.58 kg) in maximum configuration • Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°											EPEAT™ Gold rating ENERGY STAR® 6.0-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant				
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available											Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet				

See footnotes for important warranty information

ThinkCentre M93z (10AE) - GMP

Product Specifications Reference (PSREF)

Type-model	Pro- cessor	Memory ⁸	Camera (mega- pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key- board/ Mouse	Intel vPro	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10AE001FUS	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	N2230	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win7 Pro64	07/09/13
10AE001DUS	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	N6235	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win7 P64 DG Win8	07/09/13
10AE0022US	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	7260 b/g/n	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win7 P64 DG Win8.1	02/25/14
10AE002GUS	i5-4590S	4GBx1	2.0M	500G 7200	HD 4600	N2230	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win7 Pro64	06/10/14
10AE002LUS	i5-4590S	4GBx1	2.0M	500G 7200	HD 4600	7260 ac	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win7 P64 DG Win8.1	07/08/14
10AE002MUS	i5-4590S	4GBx1	2.0M	500G 7200	HD 4600	7260 b/g/n	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win7 Pro64	07/08/14
10AE002VUS	i5-4590S	4GBx1	2.0M	500G 7200	HD 4600	7260 b/g/n	None	None	None	None	Monitor	USB	vPro	G P	Win7 P64 DG Win8.1	12/09/14
Positioning Processor	Premium All-In-One PC for the enterprise Intel® Core™ i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache) , Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i5-4590S Processor (4 cores / 4 threads, 3.0GHz, 6MB cache) , Turbo Boost 2.0 (3.7GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology												Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit			
Implementation	Processor in LGA1150 socket												Ready to install applications (only some listed) ● Rescue and Recovery™ ● Password Manager Preloaded applications (only some listed) ● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Communication Utility ● ThinkVantage Device Experience ● ThinkVantage AutoLock ● Desktop Power Manager ● View Management Utility ● Lenovo Cloud Storage by SugarSync ● Lenovo Solution Center ● Lenovo Message Center Plus ● Norton™ Internet Security (30 days of virus definitions) ● Adobe® Reader® ● Skype™ ● Microsoft Office preloaded; purchase a product key to activate ● Cyberlink PowerDVD (DVD±RW, DVD) ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Evernote ● Intel AppUp ● Lenovo Solutions for Small Business ● Nitro Pro			
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)															
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 3840x2160 (DisplayPort) @60Hz												Security ● Security chip (see information on left) ● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) ● Power-on password ● Administrator password ● Hard disk password ● Boot sequence control ● Boot without keyboard and mouse ● USB port disablement ● Chassis intrusion switch on selected model(s)			
Display	23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color , IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector															
Light sensor	Optional ambient light sensor															
Multi-touch	None															
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off															
Controls	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button															
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm															
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable															
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors on planar															
Media reader	Optional 11-in-1 media card reader															
Chipset	Intel Q87 Express Chipset															
Rear ports	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)															
Side ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)															
ExpressCard	None															
mSATA	One mSATA slot															
PCIe Mini Card	One PCI Express® Mini Card slot															
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino Advanced-N 6235, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11ac/a/b/g/n wireless, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo adapter, 2x2															
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter															
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®															
Audio support	High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified															
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)															
Security chip	Trusted Platform Module (TPM 1.2-compliant)															
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo															
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo															
Power supply	150 watts, autosensing, 85% PSU															
Machine	● Business black color ● Toolless back cover, stand removal ● Toolless disk, optical drive, memory removal ● Support VESA mount (100mm) <i>Non-touch model(s) with frame stand:</i> ● (WxDxH) 22.4" X 3.6" X 17.6"; 568mm X 92.5mm X 447.3 mm ● 21.3 lb (9.68 kg) in maximum configuration ● Adjustable stand (between 10° and 45°) <i>Non-touch model(s) with monitor stand:</i> ● (WxDxH) 22.4" X 9.7" X 17.4" to 21.7"; 568mm X 247mm X 441.2mm to 551.2mm ● 25.5 lb (11.58 kg) in maximum configuration ● Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°												EPEAT™ Gold rating ENERGY STAR® 6.0-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant			
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available												Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet			

See footnotes for important warranty information

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(MPHS1-8) December 2014

ThinkCentre M93z (10AE) - GMP (Windows 8/8.1)

Product Specifications Reference (PSREF)

Type-model	Pro-processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key-board/ Mouse	Intel vPro	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10AE001EUS	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	N2230	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win8 Pro64	07/09/13
10AE0023US	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	N7260	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win8.1 Pro64	02/25/14

- Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty
- 3-year limited warranty

Positioning Processor	<i>Premium All-In-One PC for the enterprise</i> Intel® Core™ i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology	Preloaded operating system <i>Some:</i> Windows® 8 Pro 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit Web install applications (only some listed) <ul style="list-style-type: none">● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage System Update● ThinkVantage AutoLock● Desktop Power Manager● View Management Utility (for Windows 8 only)● Lenovo Cloud Storage by SugarSync (for Windows 8 only)● Lenovo Solution Center● Lenovo Support● Lenovo Companion● Norton Internet Security (30 days of virus definitions)● Skype™● Microsoft Office preloaded; purchase a product key to activate● Cyberlink PowerDVD (DVD±RW, DVD)● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Evernote®● Intel AppUp● Lenovo Solutions for Small Business● Nitro Pro● AccuWeather● Norton™ Studio● Pokki (for WIndows 8.1 only)● Hightail (for WIndows 8.1 only)
Implementation	Processor in LGA1150 socket	
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)	
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 3840x2160 (DisplayPort) @60Hz</i>	
Display	23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color , IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector	
Light sensor	Optional ambient light sensor	Security <ul style="list-style-type: none">● Security chip (see information on left)● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● USB port disablement● <i>Chassis intrusion switch on selected model(s)</i> EPEAT™ Gold rating ENERGY STAR® 6.0-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet
Multi-touch	None	
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off	
Controls	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button	
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm	
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable	
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors on planar	
Media reader	Optional 11-in-1 media card reader	
Chipset	Intel Q87 Express Chipset	
Rear ports	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)	
Side ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)	
ExpressCard	None	
mSATA	One mSATA slot	
PCIe Mini Card	One PCI Express® Mini Card slot	
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2	
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter	
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®	
Audio support	High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified	
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)	
Security chip	Trusted Platform Module (TPM 1.2-compliant)	
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo	
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Power supply	150 watts, autosensing, 85% PSU	
Machine	<ul style="list-style-type: none">● Business black color● Toolless back cover, stand removal● Toolless disk, optical drive, memory removal● Support VESA mount (100mm) <i>Non-touch model(s) with frame stand:</i> <ul style="list-style-type: none">● (WxDxH) 22.4" X 3.6" X 17.6"; 568mm X 92.5mm X 447.3 mm● 21.3 lb (9.68 kg) in maximum configuration● Adjustable stand (between 10° and 45°) <i>Non-touch model(s) with monitor stand:</i> <ul style="list-style-type: none">● (WxDxH) 22.4" X 9.7" X 17.4" to 21.7"; 568mm X 247mm X 441.2mm to 551.2mm● 25.5 lb (11.58 kg) in maximum configuration● Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°	
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available	

See footnotes for important warranty information
US model(s) announced July 9, 2013 or February 25, 2014

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ThinkCentre M93z (10AC) - Multi-touch

Product Specifications Reference (PSREF)

Type-model	Pro-processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial port	Chassis intrusion switch	Stand type	Key-board/ Mouse	Intel vPro	Global	Preload	Ann date (mm/dd/yy)
10AC000GUS	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	N2230	None	None	None	None	Monitor	USB	vPro	None	Win7 Pro64	DG 07/09/13
10AC000HUS	i7-4770S	4GBx1	2.0M	1TB 7200	HD 4600	N6235	Media	None	None	None	Monitor	USB	vPro	None	Win7 Pro64	DG 07/09/13
10AC000JUS	i5-4430S	4GBx1	2.0M	500G 7200	HD 4600	N2230	None	None	None	None	Frame	USB	None	None	Win7 Pro64	DG 07/09/13
10AC0011US	i7-4770S	8GBx1	2.0M	500G Hybrid	HD 4600	N2230	Media	None	None	None	Monitor	2.4G	vPro	None	Win7 Pro64	DG 07/09/13

●3-year limited warranty

Positioning	Premium All-In-One PC for the enterprise		Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Device Experience● ThinkVantage AutoLock● Desktop Power Manager● View Management Utility● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Microsoft Office preloaded; purchase a product key to activate● Cyberlink PowerDVD (DVD±RW, DVD)● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Evernote● Intel AppUp● Lenovo Solutions for Small Business● Nitro Pro
Processor	Intel® Core™ i5-4430S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i7-4770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1150 socket		
Implementation	Processor in LGA1150 socket		
Memory	16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; Maximum resolution: 3840x2160 (DisplayPort)@60Hz		
Display	23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color, IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector		
Light sensor	Optional ambient light sensor		
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch		
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off		
Controls	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button		
Disk	Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm Some: 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors on planar		
Media reader	Optional 11-in-1 media card reader		
Chipset	Intel Q87 Express Chipset		
Rear ports	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)		
Side ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)		
ExpressCard	None		
mSATA	One mSATA slot		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 Some: 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino Advanced-N 6235, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®		
Audio support	High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified		
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	Some: Preferred Pro USB Keyboard (USB connector), Lenovo® logo Some: Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black		
Mouse	Some: Enhanced Optical USB Mouse, black, Lenovo logo Some: Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black		
Power supply	150 watts, autosensing, 85% PSU		
Machine	<ul style="list-style-type: none">● Business black color● Toolless back cover, stand removal● Toolless disk, optical drive, memory removal● Support VESA mount (100mm) Multi-touch model(s) with frame stand: <ul style="list-style-type: none">● (WxDxH) 22.4" X 3.7" X 17.6"; 568mm X 93.1mm X 447.3 mm● 24.7 lb (11.22 kg) in maximum configuration● Adjustable stand (between 10° and 45°) Multi-touch model(s) with monitor stand: <ul style="list-style-type: none">● (WxDxH) 22.4" X 9.7" X 17.4" to 21.7"; 568mm X 247mm X 441.2mm to 551.2mm● 28.9 lb (13.12 kg) in maximum configuration● Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°		
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		

See footnotes for important warranty information
US model(s) announced July 9, 2013

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ThinkCentre M93z (10AC) - Multi-touch - II

Product Specifications Reference (PSREF)

Type-model	Pro-processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial port	Chassis intrusion switch	Stand type	Key-board/Mouse	Intel vPro	Global	Preload	Ann date (mm/dd/yy)
10AC001JUS	i3-4130	4GBx1	2.0M	500G 7200	HD 4400	N2230	None	None	None	None	Monitor	USB	None	None	Win7 Pro64	DG 08/20/13
10AC001KUS	i3-4130	4GBx1	2.0M	500G Hybrid	HD 4400	N2230	None	None	None	None	Monitor	USB	None	None	Win7 Pro64	DG 08/20/13
10AC001LUS	G3220	4GBx1	2.0M	500G 7200	Intel HD	N105	None	None	None	None	Frame	USB	None	None	Win7 Pro64	DG 08/20/13

●3-year limited warranty

Positioning Processor	Premium All-In-One PC for the enterprise Intel® Pentium® G3220 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache) , integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache) , integrated Intel HD Graphics 4400, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1150 socket		Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Device Experience● ThinkVantage AutoLock● Desktop Power Manager● View Management Utility● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Microsoft Office preloaded; purchase a product key to activate● Cyberlink PowerDVD (DVD±RW, DVD)● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Evernote● Intel AppUp● Lenovo Solutions for Small Business● Nitro Pro
Implementation	Processor in LGA1150 socket		
Memory	16GB max, PC3-12800 1600MHz DDR3* , two 204-pin SODIMM sockets (notebook) *System automatically clocks down for processors with 1333MHz memory controller		
Graphics	Intel HD Graphics or HD Graphics 4400 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Max resolution:</i> 3840x2160 (DP)@60Hz [HD 4x00]; 2560x1600 (DP)@60Hz [Intel HD]		
Display	23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color , IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector		
Light sensor	Optional ambient light sensor		
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch		
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off		
Controls	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button		
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors on planar		
Media reader	Optional 11-in-1 media card reader		
Chipset	Intel Q87 Express Chipset		
Rear ports	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)		
Side ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)		
ExpressCard	None		
mSATA	One mSATA slot		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®		
Audio support	High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified		
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	150 watts, autosensing, 85% PSU		
Machine	<ul style="list-style-type: none">● Business black color● Toolless back cover, stand removal● Toolless disk, optical drive, memory removal● Support VESA mount (100mm) <i>Multi-touch model(s) with frame stand:</i> <ul style="list-style-type: none">● (WxDxH) 22.4" X 3.7" X 17.6"; 568mm X 93.1mm X 447.3 mm● 24.7 lb (11.22 kg) in maximum configuration● Adjustable stand (between 10° and 45°) <i>Multi-touch model(s) with monitor stand:</i> <ul style="list-style-type: none">● (WxDxH) 22.4" X 9.7" X 17.4" to 21.7"; 568mm X 247mm X 441.2mm to 551.2mm● 28.9 lb (13.12 kg) in maximum configuration● Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		

See footnotes for important warranty information
US model(s) announced August 20, 2013

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ThinkCentre M93z (10AC) - Multi-touch - III

Product Specifications Reference (PSREF)

Type-model	Pro-processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key-board/Mouse	Intel vPro	Global	Preload	Ann date (mm/dd/yy)
10AC003FUS	i3-4150	8GBx1	2.0M	256G SSD	HD 4400	N7260	Media	None	None	None	Monitor	USB	None	None	Win7 P64 DG Win8.1	10/14/14
10AC003HUS	i3-4150	4GBx1	2.0M	500G 7200	HD 4400	N7260	Media	None	None	None	Frame	USB	None	None	Win7 P64 DG Win8.1	10/14/14
10AC003DUS	i3-4150	4GBx1	2.0M	500G 7200	HD 4400	N7260	Media	None	None	None	Monitor	USB	None	None	Win7 P64 DG Win8.1	10/14/14
10AC0038US	i5-4590S	4GBx1	2.0M	500G 7200	HD 4600	N7260	Media	None	None	None	Monitor	USB	vPro	None	Win7 P64 DG Win8.1	10/14/14
10AC003GUS	i3-4150	8GBx1	2.0M	256G SSD	HD 4400	N7260	Media	None	None	None	Frame	USB	None	None	Win7 P64 DG Win8.1	10/14/14
10AC003AUS	i5-4590S	4GBx1	2.0M	180G SSD	HD 4600	N7260	Media	Sensor	None	None	Frame	USB	vPro	None	Win7 P64 DG Win8.1	10/14/14
10AC003JUS	i3-4150	4GBx1	2.0M	180G SSD	HD 4400	N7260	Media	None	None	None	Frame	USB	None	None	Win7 P64 DG Win8.1	10/14/14
10AC003CUS	i7-4790S	8GBx1	2.0M	256G SSD	HD 4600	N7260	None	None	None	None	Monitor	USB	vPro	None	Win7 P64 DG Win8.1	10/14/14
10AC0039US	i5-4590S	8GBx1	2.0M	256G SSD	HD 4600	N7260	Media	Sensor	None	None	Monitor	USB	vPro	None	Win7 P64 DG Win8.1	10/14/14
10AC003EUS	i3-4150	4GBx1	2.0M	180G SSD	HD 4400	N7260	Media	None	None	None	Monitor	USB	None	None	Win7 P64 DG Win8.1	10/14/14
10AC003BUS	i7-4790S	4GBx1	2.0M	500G 7200	HD 4600	N7260	None	None	None	None	Monitor	USB	vPro	None	Win7 P64 DG Win8.1	10/14/14
10AC003KUS	i7-4790S	8GBx1	2.0M	1TB 7200	HD 4600	N7260	Media	None	None	None	Monitor	USB	vPro	None	Win7 P64 DG Win8.1	01/06/15

Positioning Processor	Premium All-In-One PC for the enterprise Intel® Core™ i3-4150 Processor (2 cores / 4 threads, 3.5GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4590S Processor (4 cores / 4 threads, 3.0GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4790S Processor (4 cores / 8 threads, 3.2GHz, 8MB cache), Turbo Boost 2.0 (4.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket											Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) • Rescue and Recovery™ • Password Manager Preloaded applications (only some listed) • ThinkVantage® Product Recovery • ThinkVantage System Update • ThinkVantage Communication Utility • ThinkVantage Device Experience • ThinkVantage AutoLock • Desktop Power Manager • View Management Utility • Lenovo Cloud Storage by SugarSync • Lenovo Solution Center • Lenovo Message Center Plus • Norton™ Internet Security (30 days of virus definitions) • Adobe® Reader® • Skype™ • Microsoft Office preloaded; purchase a product key to activate • Cyberlink PowerDVD (DVD±RW, DVD) • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) • Evernote • Intel AppUp • Lenovo Solutions for Small Business • Nitro Pro					
Memory	16GB max, PC3-12800 1600MHz DDR3* , two 204-pin SODIMM sockets (notebook) *System automatically clocks down for processors with 1333MHz memory controller																
Graphics	Intel HD Graphics or HD Graphics 4400 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Max resolution: 3840x2160 (DP)@60Hz [HD 4x00]; 2560x1600 (DP)@60Hz [Intel HD]</i> 23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color , IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector Optional ambient light sensor																
Display																	
Light sensor	Optional ambient light sensor																
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch																
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off																
Controls	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button																
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable																
Optical	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors on planar																
Onboard SATA	Optional 11-in-1 media card reader																
Media reader																	
Chipset	Intel Q87 Express Chipset																
Rear ports	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)																
Side ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)																
ExpressCard	None																
mSATA	One mSATA slot																
PCIe Mini Card	One PCI Express® Mini Card slot																
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2																
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter																
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®																
Audio support	High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified																
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)																
Security chip	Trusted Platform Module (TPM 1.2-compliant)																
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo																
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo																
Power supply	150 watts, autosensing, 85% PSU																
Machine	• Business black color • Toolless back cover, stand removal • Toolless disk, optical drive, memory removal • Support VESA mount (100mm) Multi-touch model(s) with frame stand: • (WxDxH) 22.4" X 3.7" X 17.6"; 568mm X 93.1mm X 447.3 mm • 24.7 lb (11.22 kg) in maximum configuration • Adjustable stand (between 10° and 45°) Multi-touch model(s) with monitor stand: • (WxDxH) 22.4" X 9.7" X 17.4" to 21.7"; 568mm X 247mm X 441.2mm to 551.2mm • 28.9 lb (13.12 kg) in maximum configuration • Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°											EPEAT™ Gold rating ENERGY STAR® 6.0-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet					
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available																

See footnotes for important warranty information

ThinkCentre M93z (10AC) - Multi-touch (Windows 8)

Product Specifications Reference (PSREF)

Type-model	Pro-processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key-board/ Mouse	Intel vPro	Global	Preload	Ann date (mm/dd/yy)
10AC0010US	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	N6235	Media	None	None	None	Monitor	2.4G	vPro	None	Win8 Pro64	07/09/13
10AC001HUS	i7-4770S	8GBx1	2.0M	1TB 7200	HD 4600	N6235	Media	Sensor	None	None	Monitor	USB	vPro	None	Win8 Pro64	08/13/13

●3-year limited warranty

Positioning Processor	<i>Premium All-In-One PC for the enterprise</i> Intel® Core™ i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i7-4770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1150 socket		Preloaded operating system Windows® 8 Pro 64-bit Web install applications (only some listed) ● Password Manager Preloaded applications (only some listed) ● ThinkVantage System Update ● ThinkVantage AutoLock ● Desktop Power Manager ● View Management Utility ● Lenovo Cloud Storage by SugarSync ● Lenovo Solution Center ● Lenovo Support ● Lenovo Companion ● Norton Internet Security (30 days of virus definitions) ● Skype™ ● Microsoft Office preloaded; purchase a product key to activate ● Cyberlink PowerDVD (DVD±RW, DVD) ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Evernote® ● Intel AppUp ● Lenovo Solutions for Small Business ● Nitro Pro ● AccuWeather ● Norton™ Studio	
Implementation	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		Security ● Security chip (see information on left) ● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) ● Power-on password ● Administrator password ● Hard disk password ● Boot sequence control ● Boot without keyboard and mouse ● USB port disablement ● <i>Chassis intrusion switch on selected model(s)</i> EPEAT™ Gold rating ENERGY STAR® 6.0-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet	
Memory				
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 3840x2160 (DisplayPort)@60Hz</i>			
Display	23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color , IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector			
Light sensor	Optional ambient light sensor			
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch			
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off			
Controls	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button			
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm			
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable			
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors on planar			
Media reader	Optional 11-in-1 media card reader			
Chipset	Intel Q87 Express Chipset			
Rear ports	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)			
Side ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)			
ExpressCard	None			
mSATA	One mSATA slot			
PCIe Mini Card	One PCI Express® Mini Card slot			
PCIe WLAN	<i>Some:</i> 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Advanced-N 6235, Wi-Fi + Bluetooth combo adapter, 2x2			
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter			
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®			
Audio support	High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified			
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)			
Security chip	Trusted Platform Module (TPM 1.2-compliant)			
Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), Lenovo® logo <i>Some:</i> Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black			
Mouse	<i>Some:</i> Enhanced Optical USB Mouse, black, Lenovo logo <i>Some:</i> Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black			
Power supply	150 watts, autosensing, 85% PSU			
Machine	<ul style="list-style-type: none">● Business black color● Toolless back cover, stand removal● Toolless disk, optical drive, memory removal● Support VESA mount (100mm) <i>Multi-touch model(s) with frame stand:</i> <ul style="list-style-type: none">● (WxDxH) 22.4" X 3.7" X 17.6"; 568mm X 93.1mm X 447.3 mm● 24.7 lb (11.22 kg) in maximum configuration● Adjustable stand (between 10° and 45°) <i>Multi-touch model(s) with monitor stand:</i> <ul style="list-style-type: none">● (WxDxH) 22.4" X 9.7" X 17.4" to 21.7"; 568mm X 247mm X 441.2mm to 551.2mm● 28.9 lb (13.12 kg) in maximum configuration● Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available			

See footnotes for important warranty information
US model(s) announced July 9, 2013 or August 13, 2013

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(MPHS1-2) August 2013

ThinkCentre M93z (10AC) - Multi-touch (GMP)

Product Specifications Reference (PSREF)

Type-model	Pro- cessor	Memory ^a	Camera (mega- pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key- board/ Mouse	Intel vPro	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10AC001GUS	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	N2230	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win7 Pro64	07/09/13
10AC001EUS	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	N6235	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win7 P64 DG Win8	07/09/13
10AC002CUS	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	7260 b/g/n	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win7 P64 DG Win8.1	02/25/14
10AC002YUS	i5-4590S	4GBx1	2.0M	500G 7200	HD 4600	N2230	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win7 Pro64	06/10/14
10AC0031US	i5-4590S	4GBx1	2.0M	500G 7200	HD 4600	7260 ac	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win7 P64 DG Win8.1	07/08/14
10AC0033US	i5-4590S	4GBx1	2.0M	500G 7200	HD 4600	7260 b/g/n	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win7 Pro64	07/08/14

Positioning Processor	<i>Premium All-In-One PC for the enterprise</i> Intel® Core™ i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i5-4590S Processor (4 cores / 4 threads, 3.0GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1150 socket		Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit	
Implementation			Ready to install applications (only some listed) ● Rescue and Recovery™ ● Password Manager Preloaded applications (only some listed) ● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Communication Utility ● ThinkVantage Device Experience ● ThinkVantage AutoLock ● Desktop Power Manager ● View Management Utility ● Lenovo Cloud Storage by SugarSync ● Lenovo Solution Center ● Lenovo Message Center Plus ● Norton™ Internet Security (30 days of virus definitions) ● Adobe® Reader® ● Skype™ ● Microsoft Office preloaded; purchase a product key to activate ● Cyberlink PowerDVD (DVD±RW, DVD) ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Evernote ● Intel AppUp ● Lenovo Solutions for Small Business ● Nitro Pro Security ● Security chip (see information on left) ● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) ● Power-on password ● Administrator password ● Hard disk password ● Boot sequence control ● Boot without keyboard and mouse ● USB port disablement ● Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 6.0-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet	
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)			
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 3840x2160 (DisplayPort)@60Hz			
Display	23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color , IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector			
Light sensor	Optional ambient light sensor			
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch			
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off			
Controls	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button			
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm			
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable			
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors on planar			
Media reader	Optional 11-in-1 media card reader			
Chipset	Intel Q87 Express Chipset			
Rear ports	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)			
Side ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)			
ExpressCard	None			
mSATA	One mSATA slot			
PCIe Mini Card	One PCI Express® Mini Card slot			
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino Advanced-N 6235, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11ac/a/b/g/n wireless, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo adapter, 2x2			
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter			
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®			
Audio support	High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified			
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)			
Security chip	Trusted Platform Module (TPM 1.2-compliant)			
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Power supply	150 watts, autosensing, 85% PSU			
Machine	● Business black color ● Toolless back cover, stand removal ● Toolless disk, optical drive, memory removal ● Support VESA mount (100mm) <i>Multi-touch model(s) with frame stand:</i> ● (WxDxH) 22.4" X 3.7" X 17.6"; 568mm X 93.1mm X 447.3 mm ● 24.7 lb (11.22 kg) in maximum configuration ● Adjustable stand (between 10° and 45°) <i>Multi-touch model(s) with monitor stand:</i> ● (WxDxH) 22.4" X 9.7" X 17.4" to 21.7"; 568mm X 247mm X 441.2mm to 551.2mm ● 28.9 lb (13.12 kg) in maximum configuration ● Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available			

See footnotes for important warranty information

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ThinkCentre M93z (10AC) - Multi-touch (GMP) - Windows 8/8.1

Product Specifications Reference (PSREF)

Type-model	Pro-processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key-board/ Mouse	Intel vPro	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10AC001FUS	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	N2230	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win8 Pro64	07/09/13
10AC002DUS	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	N7260	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win8.1 Pro64	02/25/14

- Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty
- 3-year limited warranty

Positioning	Premium All-In-One PC for the enterprise		Preloaded operating system <i>Some:</i> Windows® 8 Pro 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit Web install applications (only some listed) <ul style="list-style-type: none">● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage System Update● ThinkVantage AutoLock● Desktop Power Manager● View Management Utility (for WIndows 8 only)● Lenovo Cloud Storage by SugarSync (for WIndows 8 only)● Lenovo Solution Center● Lenovo Support● Lenovo Companion● Norton Internet Security (30 days of virus definitions)● Skype™● Microsoft Office preloaded; purchase a product key to activate● Cyberlink PowerDVD (DVD±RW, DVD)● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Evernote®● Intel AppUp● Lenovo Solutions for Small Business● Nitro Pro● AccuWeather● Norton™ Studio● Pokki (for WIndows 8.1 only)● Hightail (for WIndows 8.1 only)
Processor	Intel® Core™ i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology		
Implementation	Processor in LGA1150 socket		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 3840x2160 (DisplayPort) @60Hz</i>		
Display	23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color , IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector		
Light sensor	Optional ambient light sensor		
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch		
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off		
Controls	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button		
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors on planar		
Media reader	Optional 11-in-1 media card reader		
Chipset	Intel Q87 Express Chipset		
Rear ports	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)		
Side ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)		
ExpressCard	None		
mSATA	One mSATA slot		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®		
Audio support	High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified		
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	150 watts, autosensing, 85% PSU		
Machine	<ul style="list-style-type: none">● Business black color● Toolless back cover, stand removal● Toolless disk, optical drive, memory removal● Support VESA mount (100mm) <i>Multi-touch model(s) with frame stand:</i> <ul style="list-style-type: none">● (WxDxH) 22.4" X 3.7" X 17.6"; 568mm X 93.1mm X 447.3 mm● 24.7 lb (11.22 kg) in maximum configuration● Adjustable stand (between 10° and 45°) <i>Multi-touch model(s) with monitor stand:</i> <ul style="list-style-type: none">● (WxDxH) 22.4" X 9.7" X 17.4" to 21.7"; 568mm X 247mm X 441.2mm to 551.2mm● 28.9 lb (13.12 kg) in maximum configuration● Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°		
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		

See footnotes for important warranty information
US model(s) announced July 9, 2013 or February 25, 2104

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(MPHS1-4) February 2013



Lenovo ThinkCentre Edge 62z with Frame Stand



Lenovo ThinkCentre Edge 62z with Frame Stand



Lenovo ThinkCentre Edge 62z with Frame Stand



Handle



Lenovo ThinkCentre Edge 62z with Frame Stand



Lenovo ThinkCentre Edge 62z with Frame Stand

ThinkCentre Edge 62z (2117) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera	Disk SATA GB rpm	SATA optical	Graphics	PCIe Mini Card WLAN	Stand type	Global	Preload	Ann date (mm/dd/yy)
2117-BBU	i3-3220	4GBx1 1600MHz	720p	500G 7200	DVD±RW	HD 2500	Intel 105	Frame	None	Win7 Pro64	03/26/13
2117-EKU	G2020	2GBx1 1600MHz	720p	500G 7200	DVD±RW	Intel HD	Intel 105	Frame	None	Win7 Pro64	03/26/13
2117-ELU	G2020	2GBx1 1600MHz	720p	500G 7200	None	Intel HD	Intel 105	Frame	None	Win7 Pro64	03/26/13
2117-EWU	i3-3240	2GBx1 1600MHz	720p	320G 5400	DVD±RW	HD 2500	Intel 105	Frame	None	Win7 Pro64	05/14/13

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- 1-year limited warranty

Positioning	Essential All-In-One PC for small/medium businesses		Preloaded operating system²⁰ Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager● Lenovo® Message Center Plus Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Automatic Lock Utility● ThinkVantage Power Manager● View Management Utility● Lenovo Solution Center● RapidBoot HDD Accelerator● Lenovo SimpleTap● Lenovo Cloud Storage by SugarSync● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Evernote®● Symantec™ VIP● Intel AppUp®● Nitro PDF Pro● Skype™ for Windows● Windows Live™ Essentials● Microsoft® Office preloaded; purchase a product key to activate● Corel® Burn.Now™ (DVD±RW)● Corel DVD MovieFactory® (DVD±RW)
Processor	Intel® Pentium® G2020 Processor (2 cores / 2 threads, 2.9GHz, 3MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core™ i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i3-3240 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller Processor in LGA1155 socket		
Implementation	Processor in LGA1155 socket		
Memory	8GB max, PC3-12800 1600MHz DDR3 , one 204-pin SODIMM sockets (notebook) <i>System automatically clocks down for processors with 1333MHz DDR3 memory controller</i>		
Graphics	Intel HD Graphics or Intel HD Graphics 2500 in processor, uses system memory		
Display	18.5" (470mm) HD (1366x768) TFT color , CCFL backlight, 200 nits, 16:9 aspect ratio, 600:1 dynamic contrast ratio		
Multi-touch	None		
Camera	HD720p Camera on top of screen, 1.0-megapixel, fixed focus		
Controls	Front facing button for power on/off, side buttons for brightness up and brightness down		
Disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" Wide		
Optical	<i>Some:</i> DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Media reader	None		
Chipset	Intel H61 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), serial (9-pin)		
Side ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® wireless-N 105, 1x1		
Bluetooth	None		
Ethernet	One gigabit ethernet port, Realtek® RTL8111E-VC		
Audio	High Definition (HD) Audio, Realtek ALC269Q		
Speaker	Two internal stereo speakers (2watt x 2)		
Intel AMT	None		
Security chip	None		
Keyboard	Lenovo® Slim New F5 USB Keyboard (USB connector), black		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	120 watts, autosensing, 87% PSU		
Machine	<i>Model(s) with Frame stand:</i> <ul style="list-style-type: none">● Business black color● 18.5" W X 2.3" D X 14.5" H● 469.7mm W X 59.5mm D X 368.4mm H (including stand)● 11 lb (5 kg) in maximum configuration● Tilt: 10°-20° back; no lift; no swivel; adjustable stand● Supports VESA mount (100mm)		
Limited Warranty	1-year, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		

Security - Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) - Power-on password - Administrator password - Hard disk password - Boot sequence control - Boot without keyboard and mouse - USB port disablement		
ENERGY STAR® 5.2-compliant		
EuP 2013		
RoHS-compliant		
Supports ThinkVantage Technologies		
For compatible accessories, please go to O-Edge62Z sheet;		
For Lenovo service upgrade options, please go to S-TC sheet		



ThinkCentre E63z (touch)
with USB mouse/keyboard



ThinkCentre E63z (touch)
with USB mouse/keyboard



ThinkCentre E63z (non-touch)
with USB mouse/keyboard



ThinkCentre E63z
(right view)



ThinkCentre E63z
(left view)



ThinkCentre E63z
(back view)

ThinkCentre E63z Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Pentium® or 4th Generation Intel Core™ i3 Processor							Keyboard	Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo		
	Processor	Cores / Threads	Clock Speed	Max Burst Frequency	Cache	Memory Types	Integrated Graphics	Mouse	Some: Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo		
	Pentium J2900	4 / 4	2.41 GHz	2.66 GHz	2MB	DDR3L-1333	Intel HD		Some: Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black		
	Core i3-4005U	2 / 4	1.7 Ghz	-	3MB	DDR3L-1600	Intel HD 4400		Some: Enhanced Optical USB Mouse, black, Lenovo logo		
	* System-on-Chip (SoC) solution, integrates Intel processor core, Graphics, Memory Controller, and I/O interfaces							Mechanical	● Business black color ● Support VESA mount (100mm)		
Memory	Pentium models: 8GB max ⁷ / DDR3 Low Voltage, DDR3L-1600*, non-parity, one 204-pin SO-DIMM socket Core i3 models: 16GB max ⁷ / DDR3 Low Voltage, DDR3L-1600, non-parity, two 204-pin SO-DIMM sockets *System automatically clocks down for 1333MHz DDR3 memory controller							Dimensions (WxDxH)		Weight (Maximum)	Adjustments
								E63z non-touch with frame stand			
								19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm		8.82 lb (4 kg)	Tilt: 10° to 60° back
								E63z touch with frame stand			
Disk	Some: SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm Some: 500GB (5400 rpm) or 1TB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide							19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm		10.58 lb (4.8 kg)	Tilt: 10° to 60° back
Optical	None							Power supply	65 watts external adapter, autosensing, 88% PSU, 100-240V (50-60Hz)		
SATA controller	Pentium models: Serial ATA, SATA 3.0Gb/s support, integrated in processor							Limited warranty ³	Some: 1-year or 3-years, limited onsite service / service upgrades available		
Media reader	Core i3 models: Serial ATA, SATA 6.0Gb/s support, integrated in processor Optional 7-in-1 media card reader (Core i3 models only)							Some: 1-year or 3-years, Depot or Carry-in / service upgrades available			
								For Lenovo service upgrade options, please go to S-TC sheet			
Graphics	Intel HD Graphics or Intel HD Graphics 4400 in processor, uses main memory, Maximum resolution: 1600x900@60Hz (panel); 2560x1600@60Hz (HDMI-out)							Preload	Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit		
Display	19.5" (495.3mm) HD+ (1600x900) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, wide viewing angle (horizontal: +/- 85°; vertical: +/- 80°), frameless for touch models, frame for non-touch models								Some: Windows 8.1 64-bit		
Multi-touch	Optional Projected Capacitive Touch (PCT) technology, supports 10-point touch								Some: Windows 8.1 Pro 64-bit		
Camera	Some: 720p camera, 1.0-megapixel, fixed focus, digital microphone, LED indicator								Some: Windows 8.1 with Bing 64-bit		
Controls	Power button on right side								Web install applications (only some listed)		
Chipset	Intel System-on-Chip (SoC) platform								● Password Manager		
Rear ports	Pentium models: Two USB 2.0, ethernet (RJ-45), DC-IN								Preloaded applications (only some listed)		
Side ports	Core i3 models: Two USB 2.0, ethernet (RJ-45), HDMI-out, DC-IN								● ThinkVantage System Update		
	Pentium models: One USB 3.0, one microphone / headphone combo jack (3.5mm)								● ThinkVantage Communication Utility		
	Core i3 models: One USB 3.0 (charging port), one microphone / headphone combo jack (3.5mm), 7-in-1 card reader								● ThinkVantage Device Experience		
ExpressCard	None								● ThinkVantage AutoLock		
PCIe Mini Card	One PCI Express Mini Card slot (half size, for WLAN)								● Lenovo SHAREit		
Audio support	High Definition (HD) Audio, Realtek ALC233 (Pentium models) or Conexant CX20751 (Core i3 models) / internal speakers (3watt x 2)								● BlueTooth Security Lock		
WLAN ¹³	Some: 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8723BE, Wi-Fi + Bluetooth combo adapter, 1x1								● Desktop Power Manager		
	Some: 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8192EE, Wi-Fi + Bluetooth combo adapter, 2x2								● Lenovo Solution Center		
	Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2								● Lenovo Support		
	Some: 11ac/a/b/g/n wireless, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo adapter, 2x2								● Lenovo Companion		
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								● Norton Internet Security (30 days of virus definitions)		
Ethernet	One gigabit ethernet port, Realtek RTL8111G, Wake on LAN®								● Skype™		
vPro & iAMT	None								● Microsoft Office preloaded; purchase a product key to activate		
Security chip	None								● Cyberlink PowerDVD (DVD±RW, DVD)		
Security features	● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)								● Cyberlink Power2Go (DVD±RW)		
	● Power-on password								● Cyberlink PowerProducer (DVD±RW)		
	● Administrator password								● Evernote®		
									● Nitro Pro		
									● Cyberlink Power2Go (DVD±RW)		
									● Cyberlink PowerProducer (DVD±RW)		
									● Evernote®		
									● Nitro Pro		
Environment									EPEAT™ Gold (For Windows models only); ENERGY STAR® 6.0 (For Windows models only); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3		

See footnotes for more detailed information

ThinkCentre E63z (10D4) - TopSeller

Product Specifications Reference (PSREF)

Model	Display	Multi-Touch	Processor	Graphics	Media Reader	Camera	Memory	Storage	Optical	WLAN	Floor Stand	Keyboard / Mouse	Preload	Base Warranty (year)	Gobal	Ann Date (mm/yy)
10D40004US	19.5" HD+	None	Pentium J2900	Intel HD	None	720p	4GBx1	500GB 7200	None	RTL8723BE	Frame	USB (slim)	Win7 P64 DG Win8.1	1-onsite	No	08/14
10D40005US	19.5" HD+	None	Pentium J2900	Intel HD	None	None	2GBx1	500GB 7200	None	RTL8723BE	Frame	USB (slim)	Win7 P64 DG Win8.1	1-onsite	No	08/14

• For detailed platform specifications, please see [ThinkCentre E63z Platform Specifications sheet](#)

Processor	Intel® Pentium® or 4th Generation Intel Core™ i3 Processor							Some: 11b/g/n, Intel Centrino® Wireless-N 7260, Wi-Fi + BT combo Some: 11ac/a/b/g/n, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo																	
	Processor	Cores / Threads	Clock Speed	Max Burst Frequency	Cache	Memory Types	Integrated Graphics	Bluetooth™ Ethernet	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter One gigabit ethernet port, Realtek RTL8111G, Wake on LAN®																
	Pentium J2900	4 / 4	2.41 GHz	2.66 GHz	2MB	DDR3L-1333	Intel HD	vPro & iAMT Security chip	None None																
	Core i3-4005U	2 / 4	1.7 Ghz	-	3MB	DDR3L-1600	Intel HD 4400	Security features	<ul style="list-style-type: none">Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)Power-on passwordAdministrator passwordHard disk passwordBoot sequence controlBoot without keyboard and mouseUSB port disablement																
* System-on-Chip (SoC) solution, integrates Intel processor core, Graphics, Memory Controller, and I/O interfaces																									
Memory	<i>Pentium models:</i> 8GB max ⁷ / DDR3 Low Voltage, DDR3L-1600*, non-parity, one 204-pin SO-DIMM socket <i>Core i3 models:</i> 16GB max ⁷ / DDR3 Low Voltage, DDR3L-1600, non-parity, two 204-pin SO-DIMM sockets *System automatically clocks down for 1333MHz DDR3 memory controller																								
Disk	<i>Some:</i> SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm <i>Some:</i> 500GB (5400 rpm) or 1TB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide							Keyboard																	
Optical	None							Mouse																	
SATA controller	<i>Pentium models:</i> Serial ATA, SATA 3.0Gb/s support, integrated in processor <i>Core i3 models:</i> Serial ATA, SATA 6.0Gb/s support, integrated in processor Optional 7-in-1 media card reader (Core i3 models only)							Mechanical																	
Media reader								<ul style="list-style-type: none">Business black colorSupport VESA mount (100mm)																	
Graphics	Intel HD Graphics or Intel HD Graphics 4400 in processor, uses main memory, <i>Maximum resolution:</i> 1600x900@60Hz (panel); 2560x1600@60Hz (HDMI-out)							<table><tr><td>Dimensions (WxDxH)</td><td>Weight (Maximum)</td><td>Adjustments</td></tr><tr><td colspan="3">E63z non-touch with frame stand</td></tr><tr><td>19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm</td><td>8.82 lb (4 kg)</td><td>Tilt: 10° to 60° back</td></tr><tr><td colspan="3">E63z touch with frame stand</td></tr><tr><td>19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm</td><td>10.58 lb (4.8 kg)</td><td>Tilt: 10° to 60° back</td></tr></table>			Dimensions (WxDxH)	Weight (Maximum)	Adjustments	E63z non-touch with frame stand			19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm	8.82 lb (4 kg)	Tilt: 10° to 60° back	E63z touch with frame stand			19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm	10.58 lb (4.8 kg)	Tilt: 10° to 60° back
Dimensions (WxDxH)	Weight (Maximum)	Adjustments																							
E63z non-touch with frame stand																									
19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm	8.82 lb (4 kg)	Tilt: 10° to 60° back																							
E63z touch with frame stand																									
19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm	10.58 lb (4.8 kg)	Tilt: 10° to 60° back																							
Display	19.5" (495.3mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, wide viewing angle (horizontal: +/- 85°; vertical: +/- 80°), frameless for touch models, frame for non-touch models Optional Projected Capacitive Touch (PCT) technology, supports 10-point touch <i>Some:</i> 720p camera, 1.0-megapixel, fixed focus, digital microphone, LED indicator Power button on right side																								
Multi-touch																									
Camera																									
Controls																									
Chipset	Intel System-on-Chip (SoC) platform							Power supply																	
Rear ports	<i>Pentium models:</i> Two USB 2.0, ethernet (RJ-45), DC-IN <i>Core i3 models:</i> Two USB 2.0, ethernet (RJ-45), HDMI-out, DC-IN							65 watts external adapter, autosensing, 88% PSU, 100-240V (50-60Hz)																	
Side ports	<i>Pentium models:</i> One USB 3.0, one microphone / headphone combo jack (3.5mm) <i>Core i3 models:</i> One USB 3.0 (charging port), one microphone / headphone combo jack (3.5mm), 7-in-1 card reader							Limited warranty ³																	
PCIe Mini Card	One PCI Express Mini Card slot (half size, for WLAN)							<i>Some:</i> 1-year or 3-years, limited onsite service / service upgrades available <i>Some:</i> 1-year or 3-years, Depot or Carry-in / service upgrades available <i>For Lenovo service upgrade options, please go to S-TC sheet</i>																	
Audio support	High Definition (HD) Audio, Realtek ALC233 (Pentium models) or Conexant CX20751 (Core i3 models) / internal speakers (3watt x 2)							Preload																	
WLAN ¹³	<i>Some:</i> 11b/g/n wireless, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1 <i>Some:</i> 11b/g/n wireless, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2							<i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit <i>Some:</i> Windows 8.1 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit <i>Some:</i> Windows 8.1 with Bing 64-bit																	
Environment																									
ENERGY STAR® 6.0 (For Windows models only); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3																									

See footnotes for more detailed information

ThinkCentre E63z (10D6) - Multi-touch (TopSeller)

Product Specifications Reference (PSREF)

Model	Display	Multi-Touch	Processor	Graphics	Media Reader	Camera	Memory	Storage	Optical	WLAN	Floor Stand	Keyboard / Mouse	Preload	Base Warranty (year)	Gobal	Ann Date (mm/yy)
10D60005US	19.5" HD+	Touch	Pentium J2900	Intel HD	None	720p	4GBx1	500GB 7200	None	RTL8723BE	Frame	USB (slim)	Win7 P64 DG Win8.1	1-on-site	No	08/14
10D60006US	19.5" HD+	Touch	Pentium J2900	Intel HD	None	720p	4GBx1	500GB 7200	None	7260 b/g/n	Frame	USB (slim)	Win7 P64 DG Win8.1	1-on-site	No	08/14
10D60007US	19.5" HD+	Touch	Pentium J2900	Intel HD	None	None	2GBx1	500GB 7200	None	RTL8723BE	Frame	USB (slim)	Win7 P64 DG Win8.1	1-on-site	No	08/14

• For detailed platform specifications, please see [ThinkCentre E63z Platform Specifications sheet](#)

Processor	Intel® Pentium® or 4th Generation Intel Core™ i3 Processor							Some: 11b/g/n, Intel Centrino® Wireless-N 7260, Wi-Fi + BT combo Some: 11ac/a/b/g/n, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo		
	Processor	Cores / Threads	Clock Speed	Max Burst Frequency	Cache	Memory Types	Integrated Graphics	Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
	Pentium J2900	4 / 4	2.41 GHz	2.66 GHz	2MB	DDR3L-1333	Intel HD	Ethernet	One gigabit ethernet port, Realtek RTL8111G, Wake on LAN®	
	Core i3-4005U	2 / 4	1.7 Ghz	-	3MB	DDR3L-1600	Intel HD 4400	vPro & iAMT Security chip	None	
	* System-on-Chip (SoC) solution, integrates Intel processor core, Graphics, Memory Controller, and I/O interfaces							Security features	• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) • Hard disk password • Boot sequence control • Boot without keyboard and mouse • Power-on password • USB port disablement • Administrator password	
Memory	Pentium models: 8GB max ⁷ / DDR3 Low Voltage, DDR3L-1600*, non-parity, one 204-pin SO-DIMM socket Core i3 models: 16GB max ⁷ / DDR3 Low Voltage, DDR3L-1600, non-parity, two 204-pin SO-DIMM sockets *System automatically clocks down for 1333MHz DDR3 memory controller							Keyboard	Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo Some: Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo	
Disk	Some: SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm Some: 500GB (5400 rpm) or 1TB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide							Mouse	Some: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black Some: Enhanced Optical USB Mouse, black, Lenovo logo Some: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black	
Optical	None							Mechanical	• Business black color • Support VESA mount (100mm)	
SATA controller	Pentium models: Serial ATA, SATA 3.0Gb/s support, integrated in processor Core i3 models: Serial ATA, SATA 6.0Gb/s support, integrated in processor								Dimensions (WxDxH)	
Media reader	Optional 7-in-1 media card reader (Core i3 models only)								Weight (Maximum)	
									Adjustments	
Graphics	Intel HD Graphics or Intel HD Graphics 4400 in processor, uses main memory, Maximum resolution: 1600x900@60Hz (panel); 2560x1600@60Hz (HDMI-out)							E63z non-touch with frame stand		
Display	19.5" (495.3mm) HD+ (1600x900) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, wide viewing angle (horizontal: +/- 85°; vertical: +/- 80°), frameless for touch models, frame for non-touch models							19.21" X 2.44" X 13.62"		
Multi-touch	Optional Projected Capacitive Touch (PCT) technology, supports 10-point touch							488mm X 62mm X 346mm		
Camera	Some: 720p camera, 1.0-megapixel, fixed focus, digital microphone, LED indicator							8.82 lb (4 kg)		
Controls	Power button on right side							Tilt: 10° to 60° back		
Chipset	Intel System-on-Chip (SoC) platform							E63z touch with frame stand		
Rear ports	Pentium models: Two USB 2.0, ethernet (RJ-45), DC-IN Core i3 models: Two USB 2.0, ethernet (RJ-45), HDMI-out, DC-IN							19.21" X 2.44" X 13.62"		
Side ports	Pentium models: One USB 3.0, one microphone / headphone combo jack (3.5mm) Core i3 models: One USB 3.0 (charging port), one microphone / headphone combo jack (3.5mm), 7-in-1 card reader							488mm X 62mm X 346mm		
PCIe Mini Card	One PCI Express Mini Card slot (half size, for WLAN)							10.58 lb (4.8 kg)		
Audio support	High Definition (HD) Audio, Realtek ALC233 (Pentium models) or Conexant CX20751 (Core i3 models) / internal speakers (3watt x 2)							Tilt: 10° to 60° back		
WLAN ¹³	Some: 11b/g/n wireless, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1 Some: 11b/g/n wireless, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2							Power supply	65 watts external adapter, autosensing, 88% PSU, 100-240V (50-60Hz)	
								Limited warranty ³	Some: 1-year or 3-years, limited onsite service / service upgrades available Some: 1-year or 3-years, Depot or Carry-in / service upgrades available For Lenovo service upgrade options, please go to S-TC sheet	
								Preload	Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Some: Windows 8.1 64-bit Some: Windows 8.1 Pro 64-bit Some: Windows 8.1 with Bing 64-bit	
								Environment	ENERGY STAR® 6.0 (For Windows models only); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3	

See footnotes for more detailed information

ThinkCentre E63z (10E0) - TopSeller

Product Specifications Reference (PSREF)

Model	Display	Multi-Touch	Processor	Graphics	Media Reader	Camera	Memory	Storage	Optical	WLAN	Floor Stand	Keyboard / Mouse	Preload	Base Warranty (year)	Gobal	Ann Date (mm/yy)
10E00027US	19.5" HD+	None	i3-4005U	HD 4400	7-in-1	720p	4GBx1	500GB 7200	None	7260 b/g/n	Frame	USB	Win7 P64 DG Win8.1	1-onsite	No	11/14
10E00028US	19.5" HD+	None	i3-4005U	HD 4400	7-in-1	720p	8GBx1	500GB 7200	None	7260 b/g/n	Frame	USB	Win7 P64 DG Win8.1	1-onsite	No	11/14
10E00029US	19.5" HD+	None	i3-4005U	HD 4400	7-in-1	720p	2GBx1	500GB 7200	None	7260 b/g/n	Frame	USB	Win7 P64 DG Win8.1	1-onsite	No	11/14
10E0002AUS	19.5" HD+	None	i3-4005U	HD 4400	7-in-1	720p	4GBx1	64GB SSD	None	7260 b/g/n	Frame	USB	Win7 P64 DG Win8.1	1-onsite	No	11/14
10E0002BUS	19.5" HD+	None	i3-4005U	HD 4400	7-in-1	720p	4GBx1	180GB SSD	None	7260 b/g/n	Frame	USB	Win7 P64 DG Win8.1	1-onsite	No	11/14

• For detailed platform specifications, please see [ThinkCentre E63z Platform Specifications sheet](#)

Processor	Intel® Pentium® or 4th Generation Intel Core™ i3 Processor							Some: 11b/g/n, Intel Centrino® Wireless-N 7260, Wi-Fi + BT combo Some: 11ac/a/b/g/n, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo				
	Processor	Cores / Threads	Clock Speed	Max Burst Frequency	Cache	Memory Types	Integrated Graphics	Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter			
	Pentium J2900	4 / 4	2.41 GHz	2.66 GHz	2MB	DDR3L-1333	Intel HD	Ethernet	One gigabit ethernet port, Realtek RTL8111G, Wake on LAN®			
	Core i3-4005U	2 / 4	1.7 Ghz	-	3MB	DDR3L-1600	Intel HD 4400	vPro & iAMT Security chip	None None			
	* System-on-Chip (SoC) solution, integrates Intel processor core, Graphics, Memory Controller, and I/O interfaces							Security features	● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) ● Hard disk password ● Boot sequence control ● Boot without keyboard and mouse ● Power-on password ● Administrator password ● USB port disablement			
Memory	Pentium models: 8GB max ⁷ / DDR3 Low Voltage, DDR3L-1600*, non-parity, one 204-pin SO-DIMM socket Core i3 models: 16GB max ⁷ / DDR3 Low Voltage, DDR3L-1600, non-parity, two 204-pin SO-DIMM sockets *System automatically clocks down for 1333MHz DDR3 memory controller							Keyboard	Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo Some: Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo Some: Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black Some: Enhanced Optical USB Mouse, black, Lenovo logo Some: Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black			
Disk	Some: SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm Some: 500GB (5400 rpm) or 1TB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide							Mouse				
Optical	None							Mechanical	● Business black color ● Support VESA mount (100mm)			
SATA controller	Pentium models: Serial ATA, SATA 3.0Gb/s support, integrated in processor							Dimensions (WxDxH)			Weight (Maximum)	Adjustments
Media reader	Core i3 models: Serial ATA, SATA 6.0Gb/s support, integrated in processor Optional 7-in-1 media card reader (Core i3 models only)							E63z non-touch with frame stand				
Graphics	Intel HD Graphics or Intel HD Graphics 4400 in processor, uses main memory, Maximum resolution: 1600x900@60Hz (panel); 2560x1600@60Hz (HDMI-out)							19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm			8.82 lb (4 kg)	Tilt: 10° to 60° back
Display	19.5" (495.3mm) HD+ (1600x900) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, wide viewing angle (horizontal: +/- 85°; vertical: +/- 80°), frameless for touch models, frame for non-touch models Optional Projected Capacitive Touch (PCT) technology, supports 10-point touch							E63z touch with frame stand				
Multi-touch	Some: 720p camera, 1.0-megapixel, fixed focus, digital microphone, LED indicator							19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm			10.58 lb (4.8 kg)	Tilt: 10° to 60° back
Camera	Power button on right side											
Controls												
Chipset	Intel System-on-Chip (SoC) platform							Power supply			65 watts external adapter, autosensing, 88% PSU, 100-240V (50-60Hz)	
Rear ports	Pentium models: Two USB 2.0, ethernet (RJ-45), DC-IN Core i3 models: Two USB 2.0, ethernet (RJ-45), HDMI-out, DC-IN							Limited warranty ³			Some: 1-year or 3-years, limited onsite service / service upgrades available Some: 1-year or 3-years, Depot or Carry-in / service upgrades available For Lenovo service upgrade options, please go to S-TC sheet	
Side ports	Pentium models: One USB 3.0, one microphone / headphone combo jack (3.5mm) Core i3 models: One USB 3.0 (charging port), one microphone / headphone combo jack (3.5mm), 7-in-1 card reader							Preload			Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Some: Windows 8.1 64-bit Some: Windows 8.1 Pro 64-bit Some: Windows 8.1 with Bing 64-bit	
PCIe Mini Card	One PCI Express Mini Card slot (half size, for WLAN)							Environment			ENERGY STAR® 6.0 (For Windows models only); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3	
Audio support	High Definition (HD) Audio, Realtek ALC233 (Pentium models) or Conexant CX20751 (Core i3 models) / internal speakers (3watt x 2)											
WLAN ¹³	Some: 11b/g/n wireless, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1 Some: 11b/g/n wireless, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2											

See footnotes for more detailed information

ThinkCentre E63z (10E2) - Multi-touch (TopSeller)

Product Specifications Reference (PSREF)

Model	Display	Multi-Touch	Processor	Graphics	Media Reader	Camera	Memory	Storage	Optical	WLAN	Floor Stand	Keyboard / Mouse	Preload	Base Warranty (year)	Gobal	Ann Date (mm/yy)
10E2001QUS	19.5" HD+	Touch	i3-4005U	HD 4400	7-in-1	720p	4GBx1	500GB 7200	None	7260 b/g/n	Frame	USB	Win7 P64 DG Win8.1	1-onsite	No	11/14
10E2001RUS	19.5" HD+	Touch	i3-4005U	HD 4400	7-in-1	720p	4GBx1	180GB SSD	None	7260 b/g/n	Frame	USB	Win7 P64 DG Win8.1	1-onsite	No	11/14
10E2001SUS	19.5" HD+	Touch	i3-4005U	HD 4400	7-in-1	720p	8GBx1	500GB 7200	None	7260 b/g/n	Frame	USB	Win7 P64 DG Win8.1	1-onsite	No	11/14
10E2001TUS	19.5" HD+	Touch	i3-4005U	HD 4400	7-in-1	720p	4GBx1	128GB SSD	None	7260 b/g/n	Frame	USB	Win7 P64 DG Win8.1	1-onsite	No	11/14
10E2001UUS	19.5" HD+	Touch	i3-4005U	HD 4400	7-in-1	720p	8GBx1	256GB SSD OPAL	None	7260 b/g/n	Frame	USB	Win7 P64 DG Win8.1	1-onsite	No	11/14

• For detailed platform specifications, please see [ThinkCentre E63z Platform Specifications sheet](#)

Processor	Intel® Pentium® or 4th Generation Intel Core™ i3 Processor							Some: 11b/g/n, Intel Centrino® Wireless-N 7260, Wi-Fi + BT combo Some: 11ac/a/b/g/n, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo				
	Processor	Cores / Threads	Clock Speed	Max Burst Frequency	Cache	Memory Types	Integrated Graphics	Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter			
	Pentium J2900	4 / 4	2.41 GHz	2.66 GHz	2MB	DDR3L-1333	Intel HD	Ethernet	One gigabit ethernet port, Realtek RTL8111G, Wake on LAN®			
	Core i3-4005U	2 / 4	1.7 Ghz	-	3MB	DDR3L-1600	Intel HD 4400	vPro & iAMT Security chip	None None			
	* System-on-Chip (SoC) solution, integrates Intel processor core, Graphics, Memory Controller, and I/O interfaces							Security features	● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) ● Power-on password ● Administrator password ● Hard disk password ● Boot sequence control ● Boot without keyboard and mouse ● USB port disablement			
Memory	Pentium models: 8GB max ⁷ / DDR3 Low Voltage, DDR3L-1600*, non-parity, one 204-pin SO-DIMM socket Core i3 models: 16GB max ⁷ / DDR3 Low Voltage, DDR3L-1600, non-parity, two 204-pin SO-DIMM sockets *System automatically clocks down for 1333MHz DDR3 memory controller							Keyboard	Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo Some: Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo			
Disk	Some: SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm Some: 500GB (5400 rpm) or 1TB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide							Mouse	Some: Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black Some: Enhanced Optical USB Mouse, black, Lenovo logo Some: Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black			
Optical	None							Mechanical	● Business black color ● Support VESA mount (100mm)			
SATA controller	Pentium models: Serial ATA, SATA 3.0Gb/s support, integrated in processor								Dimensions (WxDxH)		Weight (Maximum)	Adjustments
Media reader	Core i3 models: Serial ATA, SATA 6.0Gb/s support, integrated in processor Optional 7-in-1 media card reader (Core i3 models only)								E63z non-touch with frame stand			
									19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm		8.82 lb (4 kg)	Tilt: 10° to 60° back
Graphics	Intel HD Graphics or Intel HD Graphics 4400 in processor, uses main memory, Maximum resolution: 1600x900@60Hz (panel); 2560x1600@60Hz (HDMI-out)								E63z touch with frame stand			
Display	19.5" (495.3mm) HD+ (1600x900) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, wide viewing angle (horizontal: +/- 85°; vertical: +/- 80°), frameless for touch models, frame for non-touch models								19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm		10.58 lb (4.8 kg)	Tilt: 10° to 60° back
Multi-touch	Optional Projected Capacitive Touch (PCT) technology, supports 10-point touch							Power supply	65 watts external adapter, autosensing, 88% PSU, 100-240V (50-60Hz)			
Camera	Some: 720p camera, 1.0-megapixel, fixed focus, digital microphone, LED indicator							Limited warranty ³	Some: 1-year or 3-years, limited onsite service / service upgrades available Some: 1-year or 3-years, Depot or Carry-in / service upgrades available For Lenovo service upgrade options, please go to S-TC sheet			
Controls	Power button on right side							Preload	Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Some: Windows 8.1 64-bit Some: Windows 8.1 Pro 64-bit Some: Windows 8.1 with Bing 64-bit			
Chipset	Intel System-on-Chip (SoC) platform							Environment	ENERGY STAR® 6.0 (For Windows models only); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3			
Rear ports	Pentium models: Two USB 2.0, ethernet (RJ-45), DC-IN Core i3 models: Two USB 2.0, ethernet (RJ-45), HDMI-out, DC-IN											
Side ports	Pentium models: One USB 3.0, one microphone / headphone combo jack (3.5mm) Core i3 models: One USB 3.0 (charging port), one microphone / headphone combo jack (3.5mm), 7-in-1 card reader											
PCIe Mini Card	One PCI Express Mini Card slot (half size, for WLAN)											
Audio support	High Definition (HD) Audio, Realtek ALC233 (Pentium models) or Conexant CX20751 (Core i3 models) / internal speakers (3watt x 2)											
WLAN ¹³	Some: 11b/g/n wireless, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1 Some: 11b/g/n wireless, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2											

See footnotes for more detailed information

ThinkCentre E63z (10D5)

Product Specifications Reference (PSREF)

Model	Display	Multi-Touch	Processor	Graphics	Media Reader	Camera	Memory	Storage	Optical	WLAN	Floor Stand	Keyboard / Mouse	Preload	Base Warranty (year)	Gobal	Ann Date (mm/yy)
10D5000FUS	19.5" HD+	None	Pentium J2900	Intel HD	None	720p	4GBx1	500GB 7200	None	7260 b/g/n	Frame	USB	Win7 P64 DG Win8.1	3-onsite	No	08/14

• For detailed platform specifications, please see [ThinkCentre E63z Platform Specifications sheet](#)

Processor	Intel® Pentium® or 4th Generation Intel Core™ i3 Processor							Some: 11b/g/n, Intel Centrino® Wireless-N 7260, Wi-Fi + BT combo Some: 11ac/a/b/g/n, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo			
	Processor	Cores / Threads	Clock Speed	Max Burst Frequency	Cache	Memory Types	Integrated Graphics	Bluetooth™ Ethernet	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter One gigabit ethernet port, Realtek RTL8111G, Wake on LAN®		
	Pentium J2900	4 / 4	2.41 GHz	2.66 GHz	2MB	DDR3L-1333	Intel HD	vPro & iAMT Security chip	None None		
	Core i3-4005U	2 / 4	1.7 Ghz	-	3MB	DDR3L-1600	Intel HD 4400	Security features	<ul style="list-style-type: none">• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)• Hard disk password• Boot sequence control• Power-on password• Administrator password• Boot without keyboard and mouse• USB port disablement		
* System-on-Chip (SoC) solution, integrates Intel processor core, Graphics, Memory Controller, and I/O interfaces											
Memory	<i>Pentium models:</i> 8GB max ⁷ / DDR3 Low Voltage, DDR3L-1600*, non-parity, one 204-pin SO-DIMM socket <i>Core i3 models:</i> 16GB max ⁷ / DDR3 Low Voltage, DDR3L-1600, non-parity, two 204-pin SO-DIMM sockets *System automatically clocks down for 1333MHz DDR3 memory controller										
Disk	<i>Some:</i> SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm <i>Some:</i> 500GB (5400 rpm) or 1TB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide										
Optical SATA controller	None										
Media reader	<i>Pentium models:</i> Serial ATA, SATA 3.0Gb/s support, integrated in processor <i>Core i3 models:</i> Serial ATA, SATA 6.0Gb/s support, integrated in processor Optional 7-in-1 media card reader (Core i3 models only)										
Graphics	Intel HD Graphics or Intel HD Graphics 4400 in processor, uses main memory, <i>Maximum resolution:</i> 1600x900@60Hz (panel); 2560x1600@60Hz (HDMI-out)										
Display	19.5" (495.3mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, wide viewing angle (horizontal: +/- 85°; vertical: +/- 80°), frameless for touch models, frame for non-touch models Optional Projected Capacitive Touch (PCT) technology, supports 10-point touch <i>Some:</i> 720p camera, 1.0-megapixel, fixed focus, digital microphone, LED indicator Power button on right side										
Multi-touch											
Camera											
Controls											
Chipset	Intel System-on-Chip (SoC) platform										
Rear ports	<i>Pentium models:</i> Two USB 2.0, ethernet (RJ-45), DC-IN <i>Core i3 models:</i> Two USB 2.0, ethernet (RJ-45), HDMI-out, DC-IN										
Side ports	<i>Pentium models:</i> One USB 3.0, one microphone / headphone combo jack (3.5mm) <i>Core i3 models:</i> One USB 3.0 (charging port), one microphone / headphone combo jack (3.5mm), 7-in-1 card reader										
PCIe Mini Card	One PCI Express Mini Card slot (half size, for WLAN)										
Audio support	High Definition (HD) Audio, Realtek ALC233 (Pentium models) or Conexant CX20751 (Core i3 models) / internal speakers (3watt x 2)										
WLAN ¹³	<i>Some:</i> 11b/g/n wireless, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1 <i>Some:</i> 11b/g/n wireless, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2										
								Keyboard		<i>Some:</i> Preferred Pro USB Keyboard (USB connector), Lenovo logo <i>Some:</i> Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo <i>Some:</i> Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black <i>Some:</i> Enhanced Optical USB Mouse, black, Lenovo logo <i>Some:</i> Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black	
								Mouse			
								Mechanical		<ul style="list-style-type: none">• Business black color• Support VESA mount (100mm)	
								Dimensions (WxDxH)		Weight (Maximum)	Adjustments
								E63z non-touch with frame stand			
								19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm		8.82 lb (4 kg)	Tilt: 10° to 60° back
								E63z touch with frame stand			
								19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm		10.58 lb (4.8 kg)	Tilt: 10° to 60° back
								Power supply		65 watts external adapter, autosensing, 88% PSU, 100-240V (50-60Hz)	
								Limited warranty ³		<i>Some:</i> 1-year or 3-years, limited onsite service / service upgrades available <i>Some:</i> 1-year or 3-years, Depot or Carry-in / service upgrades available <i>For Lenovo service upgrade options, please go to S-TC sheet</i>	
								Preload		<i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit <i>Some:</i> Windows 8.1 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit <i>Some:</i> Windows 8.1 with Bing 64-bit	
								Environment		ENERGY STAR® 6.0 (For Windows models only); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3	

See footnotes for more detailed information

ThinkCentre E63z (10D7) - Multi-touch

Product Specifications Reference (PSREF)

Model	Display	Multi-Touch	Processor	Graphics	Media Reader	Camera	Memory	Storage	Optical	WLAN	Floor Stand	Keyboard / Mouse	Preload	Base Warranty (year)	Gobal	Ann Date (mm/yy)
10D7000KUS	19.5" HD+	Touch	Pentium J2900	Intel HD	None	720p	4GBx1	500GB 7200	None	7260 b/g/n	Frame	USB	Win7 P64 DG Win8.1	3-onsite	No	08/14
10D7000HUS	19.5" HD+	Touch	Pentium J2900	Intel HD	None	720p	8GBx1	500GB 7200	None	7260 ac	Frame	USB	Win7 P64 DG Win8.1	3-onsite	No	08/14

• For detailed platform specifications, please see [ThinkCentre E63z Platform Specifications sheet](#)

Processor	Intel® Pentium® or 4th Generation Intel Core™ i3 Processor							Some: 11b/g/n, Intel Centrino® Wireless-N 7260, Wi-Fi + BT combo Some: 11ac/a/b/g/n, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo			
	Processor	Cores / Threads	Clock Speed	Max Burst Frequency	Cache	Memory Types	Integrated Graphics	Bluetooth™ Ethernet	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter One gigabit ethernet port, Realtek RTL8111G, Wake on LAN®		
	Pentium J2900	4 / 4	2.41 GHz	2.66 GHz	2MB	DDR3L-1333	Intel HD	vPro & iAMT Security chip	None None		
	Core i3-4005U	2 / 4	1.7 Ghz	-	3MB	DDR3L-1600	Intel HD 4400	Security features	<ul style="list-style-type: none">Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)Power-on passwordAdministrator passwordHard disk passwordBoot sequence controlBoot without keyboard and mouseUSB port disablement		
* System-on-Chip (SoC) solution, integrates Intel processor core, Graphics, Memory Controller, and I/O interfaces											
Memory	<i>Pentium models:</i> 8GB max ⁷ / DDR3 Low Voltage, DDR3L-1600*, non-parity, one 204-pin SO-DIMM socket <i>Core i3 models:</i> 16GB max ⁷ / DDR3 Low Voltage, DDR3L-1600, non-parity, two 204-pin SO-DIMM sockets *System automatically clocks down for 1333MHz DDR3 memory controller										
Disk	<i>Some:</i> SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm <i>Some:</i> 500GB (5400 rpm) or 1TB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide										
Optical	None										
SATA controller	<i>Pentium models:</i> Serial ATA, SATA 3.0Gb/s support, integrated in processor										
Media reader	<i>Core i3 models:</i> Serial ATA, SATA 6.0Gb/s support, integrated in processor Optional 7-in-1 media card reader (Core i3 models only)										
Graphics	Intel HD Graphics or Intel HD Graphics 4400 in processor, uses main memory, <i>Maximum resolution:</i> 1600x900@60Hz (panel); 2560x1600@60Hz (HDMI-out)										
Display	19.5" (495.3mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, wide viewing angle (horizontal: +/- 85°; vertical: +/- 80°), frameless for touch models, frame for non-touch models										
Multi-touch	Optional Projected Capacitive Touch (PCT) technology, supports 10-point touch										
Camera	<i>Some:</i> 720p camera, 1.0-megapixel, fixed focus, digital microphone, LED indicator										
Controls	Power button on right side										
Chipset	Intel System-on-Chip (SoC) platform										
Rear ports	<i>Pentium models:</i> Two USB 2.0, ethernet (RJ-45), DC-IN <i>Core i3 models:</i> Two USB 2.0, ethernet (RJ-45), HDMI-out, DC-IN										
Side ports	<i>Pentium models:</i> One USB 3.0, one microphone / headphone combo jack (3.5mm) <i>Core i3 models:</i> One USB 3.0 (charging port), one microphone / headphone combo jack (3.5mm), 7-in-1 card reader										
PCIe Mini Card	One PCI Express Mini Card slot (half size, for WLAN)										
Audio support	High Definition (HD) Audio, Realtek ALC233 (Pentium models) or Conexant CX20751 (Core i3 models) / internal speakers (3watt x 2)										
WLAN ¹³	<i>Some:</i> 11b/g/n wireless, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1 <i>Some:</i> 11b/g/n wireless, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2										
								Keyboard		<i>Some:</i> Preferred Pro USB Keyboard (USB connector), Lenovo logo <i>Some:</i> Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo <i>Some:</i> Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black <i>Some:</i> Enhanced Optical USB Mouse, black, Lenovo logo <i>Some:</i> Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black	
								Mouse			
								Mechanical		<ul style="list-style-type: none">Business black colorSupport VESA mount (100mm)	
								Dimensions (WxDxH)		Weight (Maximum)	
								Adjustments			
								E63z non-touch with frame stand			
								19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm		8.82 lb (4 kg)	
								Tilt: 10° to 60° back			
								E63z touch with frame stand			
								19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm		10.58 lb (4.8 kg)	
								Tilt: 10° to 60° back			
								Power supply		65 watts external adapter, autosensing, 88% PSU, 100-240V (50-60Hz)	
								Limited warranty ³		<i>Some:</i> 1-year or 3-years, limited onsite service / service upgrades available <i>Some:</i> 1-year or 3-years, Depot or Carry-in / service upgrades available <i>For Lenovo service upgrade options, please go to S-TC sheet</i>	
								Preload		<i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit <i>Some:</i> Windows 8.1 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit <i>Some:</i> Windows 8.1 with Bing 64-bit	
								Environment		ENERGY STAR® 6.0 (For Windows models only); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3	

See footnotes for more detailed information

ThinkCentre E63z (10E1)

Product Specifications Reference (PSREF)

Model	Display	Multi-Touch	Processor	Graphics	Media Reader	Camera	Memory	Storage	Optical	WLAN	Floor Stand	Keyboard / Mouse	Preload	Base Warranty (year)	Gobal	Ann Date (mm/yy)
10E10002US	19.5" HD+	None	i3-4005U	HD 4400	7-in-1	720p	4GBx1	500GB 7200	None	7260 b/g/n	Frame	USB	Win7 P64 DG Win8.1	3-onsite	No	11/14
10E10005US	19.5" HD+	None	i3-4005U	HD 4400	7-in-1	720p	4GBx1	180GB SSD	None	7260 b/g/n	Frame	USB	Win7 P64 DG Win8.1	3-onsite	No	11/14
10E10006US	19.5" HD+	None	i3-4005U	HD 4400	7-in-1	720p	8GBx1	256GB SSD OPAL	None	7260 b/g/n	Frame	USB	Win7 P64 DG Win8.1	3-onsite	No	11/14
10E10007US	19.5" HD+	None	i3-4005U	HD 4400	7-in-1	720p	4GBx1	64GB SSD	None	7260 b/g/n	Frame	USB	Win7 P64 DG Win8.1	3-onsite	No	11/14
10E10008US	19.5" HD+	None	i3-4005U	HD 4400	7-in-1	720p	8GBx1	500GB 7200	None	7260 b/g/n	Frame	USB	Win7 P64 DG Win8.1	3-onsite	No	11/14

• For detailed platform specifications, please see [ThinkCentre E63z Platform Specifications sheet](#)

Processor	Intel® Pentium® or 4th Generation Intel Core™ i3 Processor							Some: 11b/g/n, Intel Centrino® Wireless-N 7260, Wi-Fi + BT combo Some: 11ac/a/b/g/n, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo																	
	Processor	Cores / Threads	Clock Speed	Max Burst Frequency	Cache	Memory Types	Integrated Graphics	Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter																
	Pentium J2900	4 / 4	2.41 GHz	2.66 GHz	2MB	DDR3L-1333	Intel HD	Ethernet	One gigabit ethernet port, Realtek RTL8111G, Wake on LAN®																
	Core i3-4005U	2 / 4	1.7 Ghz	-	3MB	DDR3L-1600	Intel HD 4400	vPro & iAMT Security chip	None None																
	* System-on-Chip (SoC) solution, integrates Intel processor core, Graphics, Memory Controller, and I/O interfaces							Security features	• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) • Hard disk password • Boot sequence control • Power-on password • Administrator password • Boot without keyboard and mouse • USB port disablement																
Memory	Pentium models: 8GB max ⁷ / DDR3 Low Voltage, DDR3L-1600*, non-parity, one 204-pin SO-DIMM socket Core i3 models: 16GB max ⁷ / DDR3 Low Voltage, DDR3L-1600, non-parity, two 204-pin SO-DIMM sockets *System automatically clocks down for 1333MHz DDR3 memory controller							Keyboard	Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo Some: Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo																
Disk	Some: SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm Some: 500GB (5400 rpm) or 1TB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide							Mouse	Some: Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black Some: Enhanced Optical USB Mouse, black, Lenovo logo Some: Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black																
Optical	None							Mechanical	• Business black color • Support VESA mount (100mm)																
SATA controller	Pentium models: Serial ATA, SATA 3.0Gb/s support, integrated in processor							<table><tr><td>Dimensions (WxDxH)</td><td>Weight (Maximum)</td><td>Adjustments</td></tr><tr><td colspan="3">E63z non-touch with frame stand</td></tr><tr><td>19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm</td><td>8.82 lb (4 kg)</td><td>Tilt: 10° to 60° back</td></tr><tr><td colspan="3">E63z touch with frame stand</td></tr><tr><td>19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm</td><td>10.58 lb (4.8 kg)</td><td>Tilt: 10° to 60° back</td></tr></table>			Dimensions (WxDxH)	Weight (Maximum)	Adjustments	E63z non-touch with frame stand			19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm	8.82 lb (4 kg)	Tilt: 10° to 60° back	E63z touch with frame stand			19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm	10.58 lb (4.8 kg)	Tilt: 10° to 60° back
Dimensions (WxDxH)	Weight (Maximum)	Adjustments																							
E63z non-touch with frame stand																									
19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm	8.82 lb (4 kg)	Tilt: 10° to 60° back																							
E63z touch with frame stand																									
19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm	10.58 lb (4.8 kg)	Tilt: 10° to 60° back																							
Media reader	Core i3 models: Serial ATA, SATA 6.0Gb/s support, integrated in processor Optional 7-in-1 media card reader (Core i3 models only)																								
Graphics	Intel HD Graphics or Intel HD Graphics 4400 in processor, uses main memory, Maximum resolution: 1600x900@60Hz (panel); 2560x1600@60Hz (HDMI-out)																								
Display	19.5" (495.3mm) HD+ (1600x900) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, wide viewing angle (horizontal: +/- 85°; vertical: +/- 80°), frameless for touch models, frame for non-touch models																								
Multi-touch	Optional Projected Capacitive Touch (PCT) technology, supports 10-point touch																								
Camera	Some: 720p camera, 1.0-megapixel, fixed focus, digital microphone, LED indicator																								
Controls	Power button on right side																								
Chipset	Intel System-on-Chip (SoC) platform							Power supply 65 watts external adapter, autosensing, 88% PSU, 100-240V (50-60Hz)																	
Rear ports	Pentium models: Two USB 2.0, ethernet (RJ-45), DC-IN Core i3 models: Two USB 2.0, ethernet (RJ-45), HDMI-out, DC-IN							Limited warranty ³ Some: 1-year or 3-years, limited onsite service / service upgrades available Some: 1-year or 3-years, Depot or Carry-in / service upgrades available For Lenovo service upgrade options, please go to S-TC sheet																	
Side ports	Pentium models: One USB 3.0, one microphone / headphone combo jack (3.5mm) Core i3 models: One USB 3.0 (charging port), one microphone / headphone combo jack (3.5mm), 7-in-1 card reader							Preload Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Some: Windows 8.1 64-bit Some: Windows 8.1 Pro 64-bit Some: Windows 8.1 with Bing 64-bit																	
PCIe Mini Card	One PCI Express Mini Card slot (half size, for WLAN)							Environment ENERGY STAR® 6.0 (For Windows models only); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3																	
Audio support	High Definition (HD) Audio, Realtek ALC233 (Pentium models) or Conexant CX20751 (Core i3 models) / internal speakers (3watt x 2)																								
WLAN ¹³	Some: 11b/g/n wireless, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1 Some: 11b/g/n wireless, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2																								

See footnotes for more detailed information

ThinkCentre E63z (10E3) - Multi-touch

Product Specifications Reference (PSREF)

Model	Display	Multi-Touch	Processor	Graphics	Media Reader	Camera	Memory	Storage	Optical	WLAN	Floor Stand	Keyboard / Mouse	Preload	Base Warranty (year)	Gobal	Ann Date (mm/yy)
10E30007US	19.5" HD+	Touch	i3-4005U	HD 4400	7-in-1	720p	4GBx1	500GB 7200	None	7260 b/g/n	Frame	USB	Win7 P64 DG Win8.1	3-onsite	No	11/14
10E30008US	19.5" HD+	Touch	i3-4005U	HD 4400	7-in-1	720p	4GBx1	180GB SSD	None	7260 b/g/n	Frame	USB	Win7 P64 DG Win8.1	3-onsite	No	11/14
10E30009US	19.5" HD+	Touch	i3-4005U	HD 4400	7-in-1	720p	8GBx1	500GB 7200	None	7260 b/g/n	Frame	USB	Win7 P64 DG Win8.1	3-onsite	No	11/14
10E3000AUS	19.5" HD+	Touch	i3-4005U	HD 4400	7-in-1	720p	8GBx1	256GB SSD OPAL	None	7260 b/g/n	Frame	USB	Win7 P64 DG Win8.1	3-onsite	No	11/14

• For detailed platform specifications, please see [ThinkCentre E63z Platform Specifications sheet](#)

Processor	Intel® Pentium® or 4th Generation Intel Core™ i3 Processor							Some: 11b/g/n, Intel Centrino® Wireless-N 7260, Wi-Fi + BT combo Some: 11ac/a/b/g/n, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo																	
	Processor	Cores / Threads	Clock Speed	Max Burst Frequency	Cache	Memory Types	Integrated Graphics	Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter																
	Pentium J2900	4 / 4	2.41 GHz	2.66 GHz	2MB	DDR3L-1333	Intel HD	Ethernet	One gigabit ethernet port, Realtek RTL8111G, Wake on LAN®																
	Core i3-4005U	2 / 4	1.7 Ghz	-	3MB	DDR3L-1600	Intel HD 4400	vPro & iAMT Security chip	None None																
	* System-on-Chip (SoC) solution, integrates Intel processor core, Graphics, Memory Controller, and I/O interfaces							Security features	• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) • Hard disk password • Boot sequence control • Power-on password • Administrator password • Boot without keyboard and mouse • USB port disablement																
Memory	Pentium models: 8GB max ⁷ / DDR3 Low Voltage, DDR3L-1600*, non-parity, one 204-pin SO-DIMM socket Core i3 models: 16GB max ⁷ / DDR3 Low Voltage, DDR3L-1600, non-parity, two 204-pin SO-DIMM sockets *System automatically clocks down for 1333MHz DDR3 memory controller							Keyboard	Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo Some: Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo																
Disk	Some: SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm Some: 500GB (5400 rpm) or 1TB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide							Mouse	Some: Ultrastim Plus Wireless Keyboard (2.4GHz via USB receiver), black Some: Enhanced Optical USB Mouse, black, Lenovo logo Some: Ultrastim Plus Wireless Mouse (2.4GHz via USB receiver), black																
Optical	None							Mechanical	• Business black color • Support VESA mount (100mm)																
SATA controller	Pentium models: Serial ATA, SATA 3.0Gb/s support, integrated in processor							<table><tr><td>Dimensions (WxDxH)</td><td>Weight (Maximum)</td><td>Adjustments</td></tr><tr><td colspan="3">E63z non-touch with frame stand</td></tr><tr><td>19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm</td><td>8.82 lb (4 kg)</td><td>Tilt: 10° to 60° back</td></tr><tr><td colspan="3">E63z touch with frame stand</td></tr><tr><td>19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm</td><td>10.58 lb (4.8 kg)</td><td>Tilt: 10° to 60° back</td></tr></table>			Dimensions (WxDxH)	Weight (Maximum)	Adjustments	E63z non-touch with frame stand			19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm	8.82 lb (4 kg)	Tilt: 10° to 60° back	E63z touch with frame stand			19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm	10.58 lb (4.8 kg)	Tilt: 10° to 60° back
Dimensions (WxDxH)	Weight (Maximum)	Adjustments																							
E63z non-touch with frame stand																									
19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm	8.82 lb (4 kg)	Tilt: 10° to 60° back																							
E63z touch with frame stand																									
19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm	10.58 lb (4.8 kg)	Tilt: 10° to 60° back																							
Media reader	Core i3 models: Serial ATA, SATA 6.0Gb/s support, integrated in processor Optional 7-in-1 media card reader (Core i3 models only)																								
Graphics	Intel HD Graphics or Intel HD Graphics 4400 in processor, uses main memory, Maximum resolution: 1600x900@60Hz (panel); 2560x1600@60Hz (HDMI-out)																								
Display	19.5" (495.3mm) HD+ (1600x900) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, wide viewing angle (horizontal: +/- 85°; vertical: +/- 80°), frameless for touch models, frame for non-touch models																								
Multi-touch	Optional Projected Capacitive Touch (PCT) technology, supports 10-point touch																								
Camera	Some: 720p camera, 1.0-megapixel, fixed focus, digital microphone, LED indicator																								
Controls	Power button on right side																								
Chipset	Intel System-on-Chip (SoC) platform							Power supply 65 watts external adapter, autosensing, 88% PSU, 100-240V (50-60Hz)																	
Rear ports	Pentium models: Two USB 2.0, ethernet (RJ-45), DC-IN Core i3 models: Two USB 2.0, ethernet (RJ-45), HDMI-out, DC-IN							Limited warranty ³ Some: 1-year or 3-years, limited onsite service / service upgrades available Some: 1-year or 3-years, Depot or Carry-in / service upgrades available For Lenovo service upgrade options, please go to S-TC sheet																	
Side ports	Pentium models: One USB 3.0, one microphone / headphone combo jack (3.5mm) Core i3 models: One USB 3.0 (charging port), one microphone / headphone combo jack (3.5mm), 7-in-1 card reader							Preload Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Some: Windows 8.1 64-bit Some: Windows 8.1 Pro 64-bit Some: Windows 8.1 with Bing 64-bit																	
PCIe Mini Card	One PCI Express Mini Card slot (half size, for WLAN)							Environment ENERGY STAR® 6.0 (For Windows models only); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3																	
Audio support	High Definition (HD) Audio, Realtek ALC233 (Pentium models) or Conexant CX20751 (Core i3 models) / internal speakers (3watt x 2)																								
WLAN ¹³	Some: 11b/g/n wireless, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1 Some: 11b/g/n wireless, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2																								

See footnotes for more detailed information



ThinkCentre E73 SFF and Tower



ThinkCentre E73 Tower
with Dual Lenovo ThinkVision Monitors



ThinkCentre E73 SFF



ThinkCentre E73 SFF



ThinkCentre E73 Tower

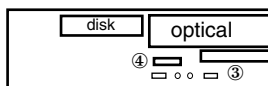


ThinkCentre E73 SFF
with HDD and optional SSD

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Parallel port	Serial port	Floor stand	Keyboard / mouse	Global	Preload	Ann date (mm/dd/yy)
10AU002MUS	3x4	i5-4430S	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	Serial	None	USB	None	Win7 Pro64 (DG)	10/22/13
10AU002PUS	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	None	HD 4400	Parallel	Serial	Stand	USB(slim)	None	Win7 Pro64 (DG)	10/22/13
10AU002QUS	3x4	G3220	2GBx1	500G 7200	DVD±RW	None	None	Intel HD	Parallel	Serial	Stand	USB(slim)	None	Win7 Pro64 (DG)	10/22/13
10AU002RUS	3x4	i5-4570S	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	Parallel	Serial	Stand	USB(slim)	None	Win7 Pro64 (DG)	10/22/13
10AU00EUUS	3x4	i5-4460S	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	None	USB	None	Win7 P64 DG Win8.1	11/18/14
10AU00ETUS	3x4	i7-4790S	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	None	USB	None	Win7 P64 DG Win8.1	11/18/14
10AU00ERUS	3x4	G3240	4GBx1	500G 7200	DVD±RW	None	None	Intel HD	None	None	None	USB	None	Win7 P64 DG Win8.1	11/18/14
10AU00ESUS	3x4	i3-4150	4GBx1	500G 7200	DVD±RW	None	None	HD 4400	None	None	None	USB	None	Win7 P64 DG Win8.1	11/18/14

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- 1-year limited warranty

Positioning Processor	Stylish design, reliability, and productivity for small/medium businesses Intel® Pentium® or 4th Generation Intel Core™ i3 / i5 / i7 Processors						Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8/8.1 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Power Manager• ThinkVantage Device Experience• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Evernote®• Microsoft® Office preloaded; purchase a product key to activate• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Nitro Pro					
	Processor	Cores / Threads	Frequency (Base/Max)	Cache	Memory Types	Integrated Graphics						
	Pentium G3240	2 / 2	3.1 GHz	3 MB	DDR3-1333	Intel HD						
	Pentium G3220	2 / 2	3 GHz	3 MB	DDR3-1333	Intel HD						
	Core i3-4150	2 / 4	3.5 GHz	3 MB	DDR3-1600	HD 4400						
	Core i3-4130	2 / 4	3.4 GHz	3 MB	DDR3-1600	HD 4400						
	Core i5-4570S	4 / 4	2.9 GHz / 3.6 GHz	6 MB	DDR3-1600	HD 4600						
	Core i5-4460S	4 / 4	2.9 GHz / 3.4 GHz	6 MB	DDR3-1600	HD 4600						
	Core i5-4430S	4 / 4	2.7 GHz / 3.2 GHz	6 MB	DDR3-1600	HD 4600						
	Core i7-4790S	4 / 8	3.2 GHz / 4 GHz	8 MB	DDR3-1600	HD 4600						
Implementation	Processor in LGA1150 socket											
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3* , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller											
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)											
DP dongle	None											
Disk	Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm											
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive											
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset											
Onboard SATA	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar											
eSATA port	None											
Media reader	Optional 9-in-1 media reader, internal USB 2.0											
Chipset	Intel H81 Express Chipset											
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)											
Rear ports	Two USB 3.0, two USB 2.0, optional serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA DB-15, DisplayPort											
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)											
PCIe WLAN	None											
Bluetooth	None											
Audio	High Definition (HD) Audio, Realtek® ALC662 codec											
Speaker	Internal speaker for business audio											
IEEE 1394	None											
Ethernet	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN											
Manageability	None											
Modem	None											
Security chip	None											
Keyboard	Some: Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo Some: Lenovo® Slim USB Keyboard (USB connector), black, Lenovo logo											
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo											
Floor Stand	Optional system floor stand for vertical orientation											
Power supply	180 watts, universal, autosensing											
Machine	<ul style="list-style-type: none">• Glossy black bezel; metal case• 13.2" W X 15.0" D X 3.98" H• 336mm W X 382mm D X 101mm H• 13.2 lb (6.0 kg) in maximum configuration• Highlighted optical drive button for easy access											
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 2.5", N/A, no access, opt 2nd SSD* Bay 4: 1.5", .35" high, access, optnl reader* *bay only available on models with SSD/reader installed											
Slot	Slot 1: Low Profile, PCI Express® 3.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x1											
Limited Warranty¹	1-year, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available											



ThinkCentre E73 Tower (10AS) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Parallel port	Serial port	Keyboard / mouse	Global	Preload	Ann date (mm/dd/yy)
10AS002JUS	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	None	HD 4400	Parallel	Serial	USB(slim)	None	Win7 Pro64 (DG)	10/22/13
10AS002KUS	3x4	i5-4570S	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	Parallel	Serial	USB(slim)	None	Win7 Pro64 (DG)	10/22/13
10AS005LUS	3x4	G3220	2GBx1	500G 7200	DVD±RW	None	None	Intel HD	None	None	USB	None	Win7 Pro64 (DG)	12/10/13
10AS00DEUS	3x4	G3240	4GBx1	500G 7200	DVD±RW	None	None	Intel HD	None	None	USB	None	Win7 P64 DG Win8.1	11/18/14
10AS00DFUS	3x4	i5-4460S	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	USB	None	Win7 P64 DG Win8.1	11/18/14
10AS00DGUS	3x4	i7-4790S	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	USB	None	Win7 P64 DG Win8.1	11/18/14
10AS00DDUS	3x4	i3-4150	4GBx1	500G 7200	DVD±RW	None	None	HD 4400	None	None	USB	None	Win7 P64 DG Win8.1	11/18/14

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- 1-year limited warranty

Positioning	Stylish design, reliability, and productivity for small/medium businesses						Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8/8.1 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Power Manager● ThinkVantage Device Experience● View Management Utility● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Evernote®● Microsoft® Office preloaded; purchase a product key to activate● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Nitro Pro
Processor	Intel® Pentium® or 4th Generation Intel Core™ i3 / i5 / i7 Processors						
	Processor	Cores / Threads	Frequency (Base/Max)	Cache	Memory Types	Integrated Graphics	
	Pentium G3240	2 / 2	3.1 GHz	3 MB	DDR3-1333	Intel HD	
	Pentium G3220	2 / 2	3 GHz	3 MB	DDR3-1333	Intel HD	
	Core i3-4150	2 / 4	3.5 GHz	3 MB	DDR3-1600	HD 4400	
	Core i3-4130	2 / 4	3.4 GHz	3 MB	DDR3-1600	HD 4400	
	Core i5-4570S	4 / 4	2.9 GHz / 3.6 GHz	6 MB	DDR3-1600	HD 4600	
	Core i5-4460S	4 / 4	2.9 GHz / 3.4 GHz	6 MB	DDR3-1600	HD 4600	
	Core i5-4430S	4 / 4	2.7 GHz / 3.2 GHz	6 MB	DDR3-1600	HD 4600	
	Core i7-4790S	4 / 8	3.2 GHz / 4 GHz	8 MB	DDR3-1600	HD 4600	
Implementation	Processor in LGA1150 socket						
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3* , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller						
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 2560x1600 (DisplayPort) @60Hz; 1920x1200 (VGA) @60Hz (Reduced Blanking)						
DP dongle	None						
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm						
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive						
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset						
Onboard SATA	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar						
eSATA port	None						
Media reader	Optional 9-in-1 media reader, internal USB 2.0						
Chipset	Intel H81 Express Chipset						
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)						
Rear ports	Two USB 3.0, two USB 2.0, optional serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA DB-15, DisplayPort						
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)						
PCIe WLAN	None						
Bluetooth	None						
Audio	High Definition (HD) Audio, Realtek® ALC662 codec						
Speaker	Internal speaker for business audio						
IEEE 1394	None						
Ethernet	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN						
Manageability	None						
Modem	None						
Security chip	None						
Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo <i>Some:</i> Lenovo® Slim USB Keyboard (USB connector), black, Lenovo logo						
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo						
Power supply	180 watts, universal, autosensing						
Machine	<ul style="list-style-type: none">● Glossy black bezel; metal case● 6.3" W X 15.7" D X 15.6" H (with handle)● 160mm W X 400mm D X 397mm H● 16.5 lb (7.5 kg) in maximum configuration● Ergonomic rubberized handle● Highlighted optical drive button for easy access						
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 1.5", .35" high, access, optnl reader* Bay 4: 3.5", 1" high, no access, opt 2nd 2.5" disk** *bay only available on models with media reader installed **3.5" to 2.5" bracket comes with optional 2nd 2.5" disk						
Slot	Slot 1: half-length, full-height, PCI Express® 3.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1						
Limited Warranty¹	1-year, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available						

optical

③

④

disk

See footnotes for important warranty information

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(TLS1T-1) December 2014

ThinkCentre E93z All-In-One

ThinkCentre®



ThinkCentre E93z with Frame Stand



ThinkCentre E93z with Monitor Stand



ThinkCentre E93z with Frame Stand



ThinkCentre E93z with Monitor Stand



ThinkCentre E93z with Frame Stand



ThinkCentre E93z with Monitor Stand

ThinkCentre E93z All-In-One - II

ThinkCentre®



ThinkCentre E93z with UltraFlex Stand



ThinkCentre E93z with UltraFlex Stand



ThinkCentre E93z with UltraFlex Stand



ThinkCentre E93z with UltraFlex Stand
with optional wireless mouse / keyboard
and Lenovo ThinkVision Monitor



ThinkCentre E93z with UltraFlex Stand



ThinkCentre E93z (handle)

ThinkCentre E93z (10B8) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Pro- cessor	Memory ^a	Wide- screen display	Multi- Touch	Camera (mega- pixel)	Disk SATA GB rpm	SATA optical	Graphics	PCIe Mini Card WLAN	Media reader	Stand type	Key- board/ Mouse	Preload	Ann date (mm/dd/yy)
10B80007US	i5-4430S	4GBx1	21.5" FHD	None	2.0M	500G 7200	DVD±RW	HD 4600	N2230	Media	Frame	USB	Win7 P64 DG Win8	08/27/13
10B80058US	i3-4130	4GBx1	21.5" FHD	None	2.0M	500G 7200	DVD±RW	HD 4400	N2230	Media	Frame	USB(slim)	Win7 P64 DG Win8	10/22/13
10B8007CUS	i5-4430S	4GBx1	21.5" FHD	None	2.0M	500G 7200	DVD±RW	HD 4600	N7260	Media	UltraFlex	USB	Win7 P64 DG Win8.1	04/08/14
10B8008KUS	i3-4130	4GBx1	21.5" FHD	None	2.0M	500G 7200	DVD±RW	HD 4400	N7260	Media	Monitor	USB	Win7 P64 DG Win8.1	12/16/14
10B8008LUS	i5-4430S	4GBx1	21.5" FHD	None	2.0M	500G 7200	DVD±RW	HD 4600	N7260	Media	Monitor	USB	Win7 P64 DG Win8.1	12/16/14

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- 1-year limited warranty

Positioning	Premium All-In-One PC for the enterprise		<div>Preloaded operating system</div> <div>Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit</div> <div>Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit</div> <div>Ready to install applications (only some listed)</div> <div><div>● Rescue and Recovery™</div><div>● Password Manager</div></div> <div>Preloaded applications (only some listed)</div> <div><div>● ThinkVantage® Product Recovery</div><div>● ThinkVantage System Update</div><div>● ThinkVantage Communication Utility</div><div>● ThinkVantage Device Experience</div><div>● ThinkVantage AutoLock</div><div>● Desktop Power Manager</div><div>● View Management Utility</div><div>● Lenovo Cloud Storage by SugarSync</div><div>● Lenovo Solution Center</div><div>● Lenovo Message Center Plus</div><div>● Norton™ Internet Security (30 days of virus definitions)</div><div>● Adobe® Reader®</div><div>● Skype™</div><div>● Microsoft Office preloaded; purchase a product key to activate</div><div>● Cyberlink PowerDVD (DVD±RW, DVD)</div><div>● Cyberlink Power2Go (DVD±RW)</div><div>● Cyberlink PowerProducer (DVD±RW)</div><div>● Evernote</div><div>● Lenovo Solutions for Small Business</div><div>● Nitro Pro</div></div>
Processor	Intel® Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4430S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		
Implementation			
Memory	16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics 4400/4600 in processor, uses main memory, DirectX® 11.1, external digital monitor support via HDMI, supports dual independent display; Max resolution: 1920x1080 (panel)@60Hz; 1920x1080 (HDMI)@60Hz		
Display	21.5" (546.1mm) Full HD 1080p (1920x1080) TFT color, wide viewing angle (+/- 85°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, infinity display, work as standalone monitor via HDMI-in connector		
Light sensor	None		
Multi-touch	None		
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off		
Controls	Monitor mode / computer mode button, volume up/down buttons, and power button		
Disk	SATA 3.0Gb/s, 2.5" Wide, 7200 rpm		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector and one SATA 3.0Gb/s connector on planar		
Media reader	Optional 11-in-1 media card reader		
Chipset	Intel B85 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in		
Side ports	Two USB 3.0 (one Always On USB 3.0), one headphone / microphone combo jack (stereo, 3.5mm), one optional media card reader		
PCIe Mini Card	Two PCI Express® Mini Card slots		
PCIe WLAN	Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2 Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Intel I217-V, Wake on LAN®		
Audio support	High Definition (HD) Audio, Realtek ALC283CG / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified		
Intel AMT	None		
Security chip	None		
Keyboard	Some: Lenovo® Slim New F5 USB Keyboard (USB connector), black Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	150 watts, autosensing, 85% PSU		
Color	Business black color		
VESA mount	Support VESA mount (100mm)		
Dimensions and weight (without stand)	Non-touch models (WxDxH): 21.02" X 1.91" X 15.20"; 534mm X 48.5mm X 386 mm 14.55 lb (6.6 kg) in maximum configuration Touch models (WxDxH): 21.02" X 1.95" X 15.20"; 534mm X 49.6mm X 386 mm 16.31 lb (7.4 kg) in maximum configuration		
Stand	Optional Frame Stand: Adjustable between 10° and 65° (Tilt) Optional Monitor Stand: Adjustable between -5° and 45° (Tilt) Optional UltraFlex Stand: Tilt: 65° back, 0° forward; Lift: 110mm; Swivel: +/-90°; supports recline mode (from an upright position to an angled plane) and cable management		
Limited Warranty	1-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		

See footnotes for important warranty information

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ThinkCentre E93z (10B9) - NVIDIA (TopSeller)

Product Specifications Reference (PSREF)

Type-model	Pro-cessor	Memory ⁸	Wide-screen display	Multi-Touch	Camera (mega-pixel)	Disk SATA GB rpm	SATA optical	Graphics	PCIe Mini Card Media reader	Stand type	Key-board/Mouse Global	Preload	Ann date (mm/dd/yy)
10B9000SUS	i5-4430S	4GBx1	21.5" FHD	None	2.0M	500G 7200	DVD±RW	GT 720A	N2230	Media	Frame	USB None Win7 Pro64	DG 08/27/13

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- 1-year limited warranty

Positioning	Premium All-In-One PC for the enterprise		Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Device Experience• ThinkVantage AutoLock• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Lenovo Solutions for Small Business• Nitro Pro
Processor	Intel® Core™ i5-4430S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller		
Implementation	Processor in LGA1150 socket		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4400/4600 in processor, and NVIDIA GeForce® GT 720A , PCI Express® x16, 1GB memory, DirectX® 11, external digital monitor support via HDMI, supports dual independent display; <i>Max resolution: 1920x1080 (panel) @60Hz; 1920x1080 (HDMI) @60Hz</i>		
Display	21.5" (546.1mm) Full HD 1080p (1920x1080) TFT color , wide viewing angle (+/- 85°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, infinity display, work as standalone monitor via HDMI-in connector		
Light sensor	None		
Multi-touch	None		
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off		
Controls	Monitor mode / computer mode button, volume up/down buttons, and power button		
Disk	SATA 3.0Gb/s, 2.5" Wide, 7200 rpm		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector and one SATA 3.0Gb/s connector on planar		
Media reader	Optional 11-in-1 media card reader		
Chipset	Intel B85 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in		
Side ports	Two USB 3.0 (one Always On USB 3.0), one headphone / microphone combo jack (stereo, 3.5mm), one optional media card reader		
PCIe Mini Card	Two PCI Express® Mini Card slots		
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Intel I217-V, Wake on LAN®		
Audio support	High Definition (HD) Audio, Realtek ALC283CG / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified		
Intel AMT	None		
Security chip	None		
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	180 watts, autosensing, 92% PSU		
Color	Business black color		
VESA mount	Support VESA mount (100mm)		
Dimensions and weight (without stand)	<i>Non-touch models (WxDxH):</i>	21.02" X 1.91" X 15.20"; 534mm X 48.5mm X 386 mm 14.55 lb (6.6 kg) in maximum configuration	
	<i>Touch models (WxDxH):</i>	21.02" X 1.95" X 15.20"; 534mm X 49.6mm X 386 mm 16.31 lb (7.4 kg) in maximum configuration	
Stand	<i>Optional Frame Stand:</i>	Adjustable between 10° and 65° (Tilt)	
	<i>Optional Monitor Stand:</i>	Adjustable between -5° and 45° (Tilt)	
	<i>Optional UltraFlex Stand:</i>	Tilt: 65° back, 0° forward; Lift: 110mm; Swivel: +/-90°; supports recline mode (from an upright position to an angled plane) and cable management	
Limited Warranty	1-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		

See footnotes for important warranty information
US model(s) announced August 27, 2013

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ThinkCentre E93z (10BA) - Multi-touch (NVIDIA) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Pro-processor	Memory ^a	Wide-screen display	Multi-Touch	Camera (mega-pixel)	Disk SATA GB rpm	SATA optical	Graphics	PCIe Mini Card Media reader	Stand type	Key-board/Mouse Global	Preload	Ann date (mm/dd/yy)
10BA000EUS	i7-4770S	4GBx1	21.5" FHD	Touch	2.0M	500G Hybrid	DVD±RW	GT 720A	N2230	Media Frame	2.4G	None	Win7 Pro64 DG 08/27/13
10BA000FUS	i7-4770S	4GBx1	21.5" FHD	Touch	2.0M	500G Hybrid	DVD±RW	GT 720A	N2230	Media UltraFlex	2.4G	None	Win7 Pro64 DG 08/27/13
10BA000GUS	i5-4430S	4GBx1	21.5" FHD	Touch	2.0M	500G 7200	DVD±RW	GT 720A	N2230	Media Frame	USB	None	Win7 Pro64 DG 08/27/13
10BA000HUS	i5-4430S	8GBx1	21.5" FHD	Touch	2.0M	500G 7200	DVD±RW	GT 720A	N2230	Media Frame	USB	None	Win7 Pro64 DG 08/27/13
10BA001LUS	i7-4770S	8GBx1	21.5" FHD	Touch	2.0M	500G Hybrid	DVD±RW	GT 720A	N2230	Media UltraFlex	USB	None	Win7 Pro64 DG 08/27/13

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- 1-year limited warranty

Positioning Processor	Premium All-In-One PC for the enterprise		Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Device Experience● ThinkVantage AutoLock● Desktop Power Manager● View Management Utility● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Microsoft Office preloaded; purchase a product key to activate● Cyberlink PowerDVD (DVD±RW, DVD)● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Evernote● Lenovo Solutions for Small Business● Nitro Pro
Implementation	Intel® Core™ i5-4430S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller		
Memory	Intel Core i7-4770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		
Graphics	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Display	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4400/4600 in processor, and NVIDIA GeForce® GT 720A , PCI Express® x16, 1GB memory, DirectX® 11, external digital monitor support via HDMI, supports dual independent display; <i>Max resolution:</i> 1920x1080 (panel) @60Hz; 1920x1080 (HDMI) @60Hz		
Light sensor	21.5" (546.1mm) Full HD 1080p (1920x1080) TFT color , wide viewing angle (+/- 85°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, infinity display, work as standalone monitor via HDMI-in connector		
Multi-touch Camera	None		
Controls	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off		
Disk	Monitor mode / computer mode button, volume up/down buttons, and power button		
Optical Onboard SATA	<i>Some:</i> SATA 3.0Gb/s, 2.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide		
Media reader	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Chipset	Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector and one SATA 3.0Gb/s connector on planar		
Rear ports	Optional 11-in-1 media card reader		
Side ports	Intel B85 Express Chipset		
PCIe Mini Card	Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in		
PCIe WLAN	Two USB 3.0 (one Always On USB 3.0), one headphone / microphone combo jack (stereo, 3.5mm), one optional media card reader		
Bluetooth	Two PCI Express® Mini Card slots		
Ethernet	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Audio support	Wi-Fi + Bluetooth combo adapter		
Intel AMT	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter		
Security chip	One gigabit ethernet port, Intel I217-V, Wake on LAN®		
Keyboard	High Definition (HD) Audio, Realtek ALC283CG / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified		
Mouse	None		
Power supply	None		
Color	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), Lenovo® logo		
VESA mount	<i>Some:</i> Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black		
Dimensions and weight (without stand)	<i>Some:</i> Enhanced Optical USB Mouse, black, Lenovo logo		
Stand	<i>Some:</i> Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black		
Limited Warranty	180 watts, autosensing, 92% PSU		
	Business black color		
	Support VESA mount (100mm)		
	<i>Non-touch models (WxDxH):</i> 21.02" X 1.91" X 15.20"; 534mm X 48.5mm X 386 mm 14.55 lb (6.6 kg) in maximum configuration		
	<i>Touch models (WxDxH):</i> 21.02" X 1.95" X 15.20"; 534mm X 49.6mm X 386 mm 16.31 lb (7.4 kg) in maximum configuration		
	<i>Optional Frame Stand:</i> Adjustable between 10° and 65° (Tilt)		
	<i>Optional Monitor Stand:</i> Adjustable between -5° and 45° (Tilt)		
	<i>Optional UltraFlex Stand:</i> Tilt: 65° back, 0° forward; Lift: 110mm; Swivel: +/-90°; supports recline mode (from an upright position to an angled plane) and cable management		
	1-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		

See footnotes for important warranty information
US model(s) announced August 27, 2013

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ThinkCentre E93z (10BA) - Multi-touch (NVIDIA) - TopSeller (Win8)

Product Specifications Reference (PSREF)

Type-model	Pro-cessor	Memory ^a	Wide-screen display	Multi-Touch	Camera (mega-pixel)	Disk SATA GB rpm	SATA optical	Graphics	PCIe Mini Card Media reader	Stand type	Key-board/Mouse Global	Preload	Ann date (mm/dd/yy)		
10BA000MUS	i5-4670S	4GBx1	21.5" FHD	Touch	2.0M	500G 7200	DVD±RW	GT 720A	N2230	Media	Frame	USB	None	Win8 Pro64	08/27/13
10BA001MUS	i5-4570S	4GBx1	21.5" FHD	Touch	2.0M	500G 7200	DVD±RW	GT 720A	N2230	Media	UltraFlex	USB	None	Win8 Pro64	08/27/13

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- 1-year limited warranty

Positioning Processor	Premium All-In-One PC for the enterprise Intel® Core™ i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4670S Processor (4 cores / 4 threads, 3.1GHz, 6MB cache), Turbo Boost 2.0 (3.8GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system Windows® 8 Pro 64-bit Web install applications (only some listed) <ul style="list-style-type: none">• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage System Update• ThinkVantage AutoLock• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Support• Lenovo Companion• Norton Internet Security (30 days of virus definitions)• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote®• Lenovo Solutions for Small Business• Nitro Pro• AccuWeather• Norton™ Studio	
Implementation	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)			
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4400/4600 in processor, and NVIDIA GeForce® GT 720A , PCI Express® x16, 1GB memory, DirectX® 11, external digital monitor support via HDMI, supports dual independent display; <i>Max resolution:</i> 1920x1080 (panel)@60Hz; 1920x1080 (HDMI)@60Hz			
Display	21.5" (546.1mm) Full HD 1080p (1920x1080) TFT color , wide viewing angle (+/- 85°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, infinity display, work as standalone monitor via HDMI-in connector			
Light sensor	None			
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch			
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off			
Controls	Monitor mode / computer mode button, volume up/down buttons, and power button			
Disk	SATA 3.0Gb/s, 2.5" Wide, 7200 rpm			
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable			
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector and one SATA 3.0Gb/s connector on planar			
Media reader	Optional 11-in-1 media card reader			
Chipset	Intel B85 Express Chipset			
Rear ports	Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in			
Side ports	Two USB 3.0 (one Always On USB 3.0), one headphone / microphone combo jack (stereo, 3.5mm), one optional media card reader			
PCIe Mini Card	Two PCI Express® Mini Card slots			
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2			
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter			
Ethernet	One gigabit ethernet port, Intel I217-V, Wake on LAN®			
Audio support	High Definition (HD) Audio, Realtek ALC283CG / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified			
Intel AMT	None			
Security chip	None		Security <ul style="list-style-type: none">• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Individual USB port disablement	
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Power supply	180 watts, autosensing, 92% PSU			
Color	Business black color			
VESA mount	Support VESA mount (100mm)			
Dimensions and weight (without stand)	<i>Non-touch models (WxDxH):</i> 21.02" X 1.91" X 15.20"; 534mm X 48.5mm X 386 mm 14.55 lb (6.6 kg) in maximum configuration <i>Touch models (WxDxH):</i> 21.02" X 1.95" X 15.20"; 534mm X 49.6mm X 386 mm 16.31 lb (7.4 kg) in maximum configuration			
Stand	<i>Optional Frame Stand:</i> Adjustable between 10° and 65° (Tilt) <i>Optional Monitor Stand:</i> Adjustable between -5° and 45° (Tilt) <i>Optional UltraFlex Stand:</i> Tilt: 65° back, 0° forward; Lift: 110mm; Swivel: +/-90°; supports recline mode (from an upright position to an angled plane) and cable management			
Limited Warranty	1-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		ENERGY STAR® 6.0-compliant EuP 2013 GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet	

See footnotes for important warranty information
 US model(s) announced August 27, 2013

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ThinkCentre E93z (10BH)

Product Specifications Reference (PSREF)

Type-model	Pro-cessor	Memory ^a	Wide-screen display	Multi-Touch	Camera (mega-pixel)	Disk SATA GB rpm	SATA optical	Graphics	PCIe Mini Card WLAN	Media reader	Stand type	Key-board/Mouse	Preload	Ann date (mm/dd/yy)
10BH0004US	i3-4130	4GBx1	21.5" FHD	None	2.0M	500G 7200	DVD±RW	HD 4400	N2230	Media	Frame	USB(slim)	Win7 P64 DG Win 8	07/15/14
10BH0005US	i5-4430S	4GBx1	21.5" FHD	None	2.0M	500G 7200	DVD±RW	HD 4600	N2230	Media	Frame	USB(slim)	Win7 P64 DG Win 8	07/15/14
10BH0006US	i5-4430S	4GBx1	21.5" FHD	None	2.0M	500G 7200	DVD±RW	HD 4600	N2230	Media	UltraFlex	USB(slim)	Win7 P64 DG Win 8	07/15/14

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- 3-year limited warranty

Positioning	Premium All-In-One PC for the enterprise		Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit
Processor	Intel® Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4430S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		
Implementation	Processor in LGA1150 socket		Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Device Experience● ThinkVantage AutoLock● Desktop Power Manager● View Management Utility● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Microsoft Office preloaded; purchase a product key to activate● Cyberlink PowerDVD (DVD±RW, DVD)● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Evernote● Lenovo Solutions for Small Business● Nitro Pro
Memory	16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics 4400/4600 in processor, uses main memory, DirectX® 11.1, external digital monitor support via HDMI, supports dual independent display; Max resolution: 1920x1080 (panel)@60Hz; 1920x1080 (HDMI)@60Hz		
Display	21.5" (546.1mm) Full HD 1080p (1920x1080) TFT color, wide viewing angle (+/- 85°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, infinity display, work as standalone monitor via HDMI-in connector		
Light sensor	None		
Multi-touch	None		
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off		
Controls	Monitor mode / computer mode button, volume up/down buttons, and power button		
Disk	SATA 3.0Gb/s, 2.5" Wide, 7200 rpm		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector and one SATA 3.0Gb/s connector on planar		
Media reader	Optional 11-in-1 media card reader		
Chipset	Intel B85 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in		
Side ports	Two USB 3.0 (one Always On USB 3.0), one headphone / microphone combo jack (stereo, 3.5mm), one optional media card reader		
PCIe Mini Card	Two PCI Express® Mini Card slots		
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Intel I217-V, Wake on LAN®		
Audio support	High Definition (HD) Audio, Realtek ALC283CG / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified		
Intel AMT	None		
Security chip	None		
Keyboard	<i>Some:</i> Lenovo® Slim New F5 USB Keyboard (USB connector), black <i>Some:</i> Preferred Pro USB Keyboard (USB connector), Lenovo logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	150 watts, autosensing, 85% PSU		
Color	Business black color		
VESA mount	Support VESA mount (100mm)		
Dimensions and weight (without stand)	<i>Non-touch models (WxDxH):</i> 21.02" X 1.91" X 15.20"; 534mm X 48.5mm X 386 mm 14.55 lb (6.6 kg) in maximum configuration <i>Touch models (WxDxH):</i> 21.02" X 1.95" X 15.20"; 534mm X 49.6mm X 386 mm 16.31 lb (7.4 kg) in maximum configuration		
Stand	<i>Optional Frame Stand:</i> Adjustable between 10° and 65° (Tilt) <i>Optional Monitor Stand:</i> Adjustable between -5° and 45° (Tilt) <i>Optional UltraFlex Stand:</i> Tilt: 65° back, 0° forward; Lift: 110mm; Swivel: +/-90°; supports recline mode (from an upright position to an angled plane) and cable management		
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		

See footnotes for important warranty information

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ThinkCentre E93z (10BK) - Multi-touch (NVIDIA)

Product Specifications Reference (PSREF)

Type-model	Pro- cessor	Memory ⁸	Wide- screen display	Multi- Touch	Camera (mega- pixel)	Disk SATA GB rpm	SATA optical	Graphics	PCIe Mini Card WLAN	Media reader	Stand type	Key- board/ Mouse	Global	Preload	Ann date (mm/dd/yy)
10BK0007US	i5-4430S	4GBx1	21.5" FHD	Touch	2.0M	500G 7200	DVD±RW	GT 720A	7260 b/g/n	Media	UltraFlex	USB(slim)	None	Win7 P64 DG Win 8.1	07/15/14
10BK0006US	i3-4130	4GBx1	21.5" FHD	Touch	2.0M	500G 7200	DVD±RW	GT 720A	7260 b/g/n	Media	UltraFlex	USB(slim)	None	Win7 P64 DG Win 8.1	07/15/14

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- 1-year limited warranty

Positioning	Premium All-In-One PC for the enterprise		Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) ● Rescue and Recovery™ ● Password Manager Preloaded applications (only some listed) ● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Communication Utility ● ThinkVantage Device Experience ● ThinkVantage AutoLock ● Desktop Power Manager ● View Management Utility ● Lenovo Cloud Storage by SugarSync ● Lenovo Solution Center ● Lenovo Message Center Plus ● Norton™ Internet Security (30 days of virus definitions) ● Adobe® Reader® ● Skype™ ● Microsoft Office preloaded; purchase a product key to activate ● Cyberlink PowerDVD (DVD±RW, DVD) ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Evernote ● Lenovo Solutions for Small Business ● Nitro Pro
Processor	Intel® Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4430S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		
Implementation	Processor in LGA1150 socket		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4400/4600 in processor, and NVIDIA GeForce® GT 720A , PCI Express® x16, 1GB memory, DirectX® 11, external digital monitor support via HDMI, supports dual independent display; <i>Max resolution:</i> 1920x1080 (panel) @60Hz; 1920x1080 (HDMI) @60Hz		
Display	21.5" (546.1mm) Full HD 1080p (1920x1080) TFT color , wide viewing angle (+/- 85°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, infinity display, work as standalone monitor via HDMI-in connector		
Light sensor	None		
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch		
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off		
Controls	Monitor mode / computer mode button, volume up/down buttons, and power button		
Disk	<i>Some:</i> SATA 3.0Gb/s, 2.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector and one SATA 3.0Gb/s connector on planar		
Media reader	Optional 11-in-1 media card reader		
Chipset	Intel B85 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in		
Side ports	Two USB 3.0 (one Always On USB 3.0), one headphone / microphone combo jack (stereo, 3.5mm), one optional media card reader		
PCIe Mini Card	Two PCI Express® Mini Card slots		
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, Intel Centrino® Wireless-N 2230, Wi-Fi + BT4.0 combo, 2x2 <i>Some:</i> 11b/g/n wireless, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Intel I217-V, Wake on LAN®		
Audio support	High Definition (HD) Audio, Realtek ALC283CG / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified		
Intel AMT	None		
Security chip	None		
Keyboard	<i>Some:</i> Lenovo® Slim New F5 USB Keyboard (USB connector), black <i>Some:</i> Preferred Pro USB Keyboard (USB connector), Lenovo logo <i>Some:</i> Ultrasm Plus Wireless Keyboard (2.4GHz via USB receiver), black		
Mouse	<i>Some:</i> Enhanced Optical USB Mouse, black, Lenovo logo <i>Some:</i> Ultrasm Plus Wireless Mouse (2.4GHz via USB receiver), black		
Power supply	180 watts, autosensing, 92% PSU		
Color	Business black color		
VESA mount	Support VESA mount (100mm)		
Dimensions and weight (without stand)	<i>Non-touch models (WxDxH):</i> 21.02" X 1.91" X 15.20"; 534mm X 48.5mm X 386 mm 14.55 lb (6.6 kg) in maximum configuration		
	<i>Touch models (WxDxH):</i> 21.02" X 1.95" X 15.20"; 534mm X 49.6mm X 386 mm 16.31 lb (7.4 kg) in maximum configuration		
Stand	<i>Optional Frame Stand:</i> Adjustable between 10° and 65° (Tilt)		
	<i>Optional Monitor Stand:</i> Adjustable between -5° and 45° (Tilt)		
	<i>Optional UltraFlex Stand:</i> Tilt: 65° back, 0° forward; Lift: 110mm; Swivel: +/-90°; supports recline mode (from an upright position to an angled plane) and cable management		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available		

See footnotes for important warranty information

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The TopSeller™ services are designed to make selling the popular services with TopSeller systems faster and easier. Channel partners should always use TopSeller services with TopSeller systems. TopSeller services part numbers typically provide enhanced discounts and incentives for channel partners. The TopSeller service delivered to the customer is identical to the service delivered using a standard service part number. In situations where a desired service is not offered under a TopSeller service part number or the sale requires a special bid process, use available standard service part numbers.

TopSeller services should always be offered by channel business partners with TopSeller hardware, unless the sale requires special bid pricing or the desired service is not offered as a TopSeller service part.

For more information see:

<http://www2.partnerinfo.lenovo.com/partners/us/resources/salestoolkit.shtml>

<p><u>TopSeller service upgrade options for ThinkCentre M series</u></p> <p><i>ThinkCentre desktop with 1-year Onsite warranty</i> <i>LOR = Lenovo Onsite Repair</i></p> <table> <tr> <td>3-year LOR 9x5 Next Business Day</td> <td>04W8710</td> </tr> <tr> <td>4-year LOR 9x5 Next Business Day</td> <td>04W8711</td> </tr> </table> <p><i>ThinkCentre desktop with 3-year Onsite warranty</i> <i>LOR = Lenovo Onsite Repair</i></p> <table> <tr> <td>4-year LOR 9x5 Next Business Day</td> <td>04W8712</td> </tr> </table>	3-year LOR 9x5 Next Business Day	04W8710	4-year LOR 9x5 Next Business Day	04W8711	4-year LOR 9x5 Next Business Day	04W8712	<p><u>TopSeller Priority Support</u></p> <ul style="list-style-type: none"> • 24x7 support with priority routing and advanced level technicians <p><i>ThinkCentre desktop with 1-year Onsite warranty</i> Add to 3-year warranty coverage - 3-year Priority Support* 04W8721 Add to 4-year warranty coverage - 4-year Priority Support* 04W8722</p> <p><i>ThinkCentre desktop with 3-year Onsite warranty</i> Add to 3-year warranty coverage - 3-year Priority Support* 04W8721 Add to 4-year warranty coverage - 4-year Priority Support* 04W8722</p> <p>* Covered machine must have concurrent warranty coverage.</p>
3-year LOR 9x5 Next Business Day	04W8710						
4-year LOR 9x5 Next Business Day	04W8711						
4-year LOR 9x5 Next Business Day	04W8712						
<p><u>TopSeller service upgrade options for ThinkCentre A series and Edge series</u></p> <p><i>ThinkCentre desktop with 1-year Onsite warranty</i> <i>LOR = Lenovo Onsite Repair</i></p> <table> <tr> <td>3-year LOR 9x5 Next Business Day</td> <td>04W8710</td> </tr> <tr> <td>4-year LOR 9x5 Next Business Day</td> <td>04W8711</td> </tr> </table> <p><i>ThinkCentre desktop with 3-year Onsite warranty</i></p> <table> <tr> <td>4-year LOR 9x5 Next Business Day</td> <td>04W8712</td> </tr> </table>	3-year LOR 9x5 Next Business Day	04W8710	4-year LOR 9x5 Next Business Day	04W8711	4-year LOR 9x5 Next Business Day	04W8712	
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4-year LOR 9x5 Next Business Day	04W8712						

Partial list of Lenovo Services⁷ for ThinkCentre desktops

For more information see:

http://www.lenovo.com/services_warranty/us/en/index.html

<p><u>Lenovo service upgrade options for ThinkCentre M series</u></p> <p><i>ThinkCentre desktop with 1-year Onsite warranty</i> <i>Models with 7-digit MTM</i> 2-year Onsite 9x5 Next Business Day 41C9187 3-year Onsite 9x5 Next Business Day 41C9188 <i>Models with 10-digit MTM</i> 2-year Onsite 9x5 Next Business Day 5WS0D80992 3-year Onsite 9x5 Next Business Day 5WS0D80967</p> <p><i>ThinkCentre desktop with 3-year Onsite warranty</i> <i>Models with 7-digit MTM</i> 4-year Onsite 9x5 Next Business Day 41C9194 <i>Models with 10-digit MTM</i> 4-year Onsite 9x5 Next Business Day 5WS0D81063</p>	<p><u>Lenovo service upgrade options for ThinkCentre A series and Edge series</u></p> <p><i>ThinkCentre desktop with 1-year Onsite warranty</i> <i>LOR = Lenovo Onsite Repair</i> 2-year Onsite 9x5 Next Business Day 45K5949 3-year Onsite 9x5 Next Business Day 45K5950</p> <p><i>ThinkCentre desktop with 3-year Onsite warranty</i> <i>LOR = Lenovo Onsite Repair</i> 4-year Onsite 9x5 Next Business Day 45K5957 5-year Onsite 9x5 Next Business Day 45K5963</p>
<p><u>Lenovo Priority Support for enterprise customers</u></p> <ul style="list-style-type: none"> • 24x7 support with priority routing and advanced level technicians <p><i>ThinkCentre desktop with 1-year Onsite warranty</i> Add to 3-year warranty coverage - 3-year Priority Support* 45J9087</p> <p><i>ThinkCentre desktop with 3-year Onsite warranty</i> Add to 3-year warranty coverage - 3-year Priority Support* 45J9088 Add to 4-year warranty coverage - 4-year Priority Support* 45J9089 Add to 5-year warranty coverage - 5-year Priority Support* 45J9090</p> <p>* Covered machine must have concurrent warranty coverage.</p>	

Disclaimer

Lenovo provides the information in the Product Specifications Reference (PSREF) withdrawn product books on an "AS-IS" basis. Because the actual products have been withdrawn from marketing, the information in these withdrawn product books is no longer maintained or updated. The referenced footnote numbering may not correspond with the listed footnotes.

PSREF books for the withdrawn systems:

http://www.lenovo.com/psref/psrefs_withdrawn.html

Availability: All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

Warranty: For a copy of applicable product warranties, go to http://support.lenovo.com/en_US/product-service/warranty-status/WarrantyPolicies.page. Lenovo makes no representation or warranty regarding third party products or services.

¹ **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.

² **Hard drive:** GB = billion bytes, TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.

³ **Limited onsite service systems** are designed to be repaired during the applicable warranty period primarily with customer-replaceable parts provided by Lenovo. Lenovo will only send a technician onsite to perform a repair if (a) remote telephone diagnosis and/or customer part replacement are unable to resolve the problem, or (b) the part is one of the few designated by Lenovo for onsite replacement. For a list of onsite replaceable parts, contact Lenovo. Support unrelated to a warranty issue may be subject to additional charges. Lenovo onsite repair (LOR), 8 am to 5 pm, Monday through Friday coverage excluding holidays, next business day (NBD) response time.

⁴ **CD and DVD list** maximum rates; rates are variable and are often less than the maximum.

⁵ **Included software** may differ from its retail version (if available), and may not include user manuals or all program functionality. License agreements may apply.

⁷ **Lenovo Services:** These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part will be express shipped to you for quick replacement. Onsite 24x7x2-hour service is not available in all locations. P&L means parts and labor. P/U means pick-up. See lenovo terms and conditions for complete details and restrictions.

⁸ **Memory:** For PCs without a separate graphics card, memory supports both system and video. Accessible system memory may be up to 384MB less than the amount stated, depending on video mode.

⁹ **International Warranty Service** is available in any country in which this product is sold and serviced. Service delivery methods and parts availability vary by country, may be different from that in the country of purchase, and are subject to change without notice. Fees and restrictions may apply in some countries.

¹⁰ **Modem speeds:** Public network download speeds are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.

¹¹ **For combination drives,** maximum speeds only are given in the following order: CD read, CD write, CD re-write, DVD read.

¹² **The IEEE 802.11n specification (MIMO)** has been finalized and is currently in IEEE 802.11n-2009 release. The maximum speed depends on the access point device and the number of integrated antenna used for connection. An adapter with 11a/b, 11a/b/g, 11b/g/n, or 11a/b/g/n can communicate on any of its supported formats.

¹³ **Wireless capability:** Requires compatible wireless-enabled options sold separately.

¹⁴ **Response times may vary.** May exclude some holidays. Telephone support may be subject to additional charges.

¹⁵ **Update Connector** is available at no charge to registered customers during the limited warranty period. Line charges may apply.

¹⁶ **Embedded Security Subsystem** works with optional VPN software.

- ¹⁸ **Embedded Security Subsystem** may require download of client security software from the Web.
- ¹⁹ **Asset ID** allows system-specific information to be stored in a chip inside the system; it does not have any radio frequency support.
- ²⁰ **Operating System:** Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/pc/support and enter your machine type and model number for more information.

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