

UTTERLY POWERFUL. EXTREMELY COMPACT.



Breeze through the most demanding tasks with the ultra-slim ThinkCentre M90n Nano IoT, powered by the latest-generation Intel® mobile processors and high-speed DDR4 memory. When it comes to an IoT-ready platform, the M90n Nano is a game-changer. It supports WiFi, Bluetooth®, LPWAN, and 4G/LTE WWAN wireless connections to efficiently transport your IoT data to the cloud or your data center. With a scalable IOBOX for additional connectivity, the Nano IoT delivers expandability features optimized for industrial environments that operate a wide variety of devices.

With an innovative fan-less design that guarantees efficient heat dissipation and with MIL-STD-tested device reliability, the M90n Nano IoT offers stable performance for uninterrupted productivity, even in harsh environments.

ThinkCentre M90n Nano IoT



Lenovo



ThinkCentre M90n Nano IoT

ITDM Benefits



Boosts Productivity: Powerful Intel® processors, superfast DDR4 memory, and PCIe SSD storage make everyday tasks faster and smoother. The M90n Nano IoT also supports Modern Standby, a feature that allows you to receive emails, VoIP calls, and even continue to play music while in standby mode, much like a smartphone.



Unmatched Reliability: The M90n Nano IoT is MIL-SPEC tested for its ability to withstand extreme temperatures and harsh conditions. That means it stays reliable and keeps you productive over the long haul.



Compact Design: With an ultra-small form factor (0.55L), the M90n Nano IoT helps you get organized by freeing up valuable work space. Easy to mount, it can be tucked behind a monitor, placed under the desk, or mounted on the wall—wherever you like it.



Convenient Connectivity: Modern ports, including 4 USB 3.1 Gen2 and 1 Display Port cater to specific business needs, allowing you to do more with less. With a full-function Type-C port, the M90n Nano IoT can be powered through a USB Type-C monitor, via a single cable, reducing dependency on external connectors and dongles.

Reliability and Stability

MIL-SPEC tested for durability, this Nano can withstand unanticipated temperature shocks. Fan-less design ensures efficient heat dissipation for improved performance.

Flexibility

An array of Nano's accessories allows it to be securely mounted on a wall, under a desk or behind a monitor using VESA mounts or DIN rails. The M90n Nano is also TIO compatible via Cube.

Security

The TPM 2.0 hardware cryptoprocessor chip uses RSA encryption to protect user information, while the Kensington™ lock slot offers physical security against device theft.

Manageability

Built for evolving IoT environments, the ThinkCentre M90n IoT has been certified for Windows 10 IoT Enterprise, Microsoft® Azure IoT Edge, RedHat® and Ubuntu®, making analyzing and reporting of devices in the network effortless.

Optional Accessories



THINKVISION T25d-10

Expand the capabilities of the Nano by connecting it to the T25d display. Enjoy smooth, flicker-free visuals from any angle on its 25-inch NearEdgeless In-Plane Switching screen. Versatile HDMI, DP, and VGA ports offer easy connectivity to your favorite work essentials.



THINKCENTRE NANO DIN RAIL MOUNT

This compact and ruggedly designed mount securely affixes the Nano to a rack housing cabinet or frame with other DIN rail equipment for a clutter-free workspace.

THINKCENTRE NANO VESA MOUNT

The VESA-standard mount attaches to any VESA-compatible equipment. This versatile device can be used separately or combined with other options for secure mounting functionality.



THINKCENTRE NANO MONITOR CLAMP

Use this clamp to install your Nano unit to a monitor to further save space.

THINKCENTRE NANO TIO MODULE BRACKET

The Nano module bracket offers utmost mounting flexibility by allowing you to attach the Nano at the back of the display to form your own modular PC. This secure mounting also enables easy upgrades of the display or PC as your business needs change.



ThinkCentre M90n Nano IoT

PERFORMANCE

Processor

8th Generation Intel® Core™ i3/Celeron® Processors

Operating System

Windows 10 Pro (64 bit)
Windows 10 Home (64 bit)
Windows 10 IoT LTSC (Snp)

Memory

Up to 4GB DDR4

Storage

Up to 512GB M.2 PCIe SSD

PSU

65W 88% Adapter

CONNECTIVITY

Front Input/Output Ports

2 x RS-232
1 x USB Type-C (USB 3.1 Gen2)
2 x USB 3.1 Gen2
1 x audio combo

Rear Input/Output Ports

1 x DisplayPort 1.2
1 x USB 3.1 Gen2 Type-C (power-in, display)
1 x USB 3.1 Gen2 (i3 SKU) / USB 2.0 (Celeron SKU)
1 x RJ45 LAN (i3 SKU with the 2nd LAN)
1 x DC-in

Expansion Slot

2 x M.2 PCIe SSD
2 x M.2 for WiFi/Bluetooth®
1 x M.2 for 4G/LTE reserved
1 x LoRaWAN reserved (via USB I/F)

DESIGN

Dimensions

179 x 88 x 34.5mm
7.04 x 3.46 x 1.35 inches

Weight

750g/1.65lb.

EXTERNAL MECHANICAL PERIPHERALS

Monitor clamp
VESA wall mount
DIN rail bracket
Nano IoT IOBOX

SECURITY

HW TPM 2.0
Chassis intrusion switch
Smart USB protection
Kensington™ lock slot

RELIABILITY

MIL-SPEC 810H

Yes

MANAGEABILITY

Smart Power On

Yes, 2 independent displays

Multi-Monitor

Yes

MIL-810G SPEC

Yes

Modern Standby

Yes

CERTIFICATIONS

Energy Star®
EPEAT™
TÜV Low Noise
RoHS
Ubuntu® Certified*
Redhat® Certified*
Azure IoT Certified

RECOMMENDED SERVICES

Lenovo offers a comprehensive portfolio of services to support and protect your ThinkCentre investments, so you can focus on the business at hand rather than worrying about IT.

Premier Support

Provides direct access to skilled and experienced Lenovo technicians for comprehensive hardware and software support. Gives you a consistent point of contact within Lenovo to ensure that your case resolution is professionally managed from start to finish.

Accidental Damage Protection (ADP)

Prevents the hassles of unexpected repair costs. Provides coverage for non-warranted damage incurred under normal operating conditions, such as minor spills, drops, or damage.

Warranty Extension (1-year base, up to 3 years total)

This fixed-term, fixed-cost service helps you accurately budget for PC expenses, protect your valuable investment, and lower your cost of ownership over time.



*Powered by monitor through a single cable, this desktop lets you enjoy a minimalistic workspace.

Depending on many factors such as the processing capability of peripheral devices, file attributes, and other factors related to system configuration and operating environments, the actual transfer rate using the various USB connectors on this device will vary and is typically slower than the data rates as defined by the respective USB specifications: - 5 Gbit/s for USB 3.1 Gen1; 10 Gbit/s for USB 3.1 Gen2 & 20 Gbit/s for USB 3.2.

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