




Personal Systems Reference Lenovo® Consumer Monitors

August 2009 - Version 361



Lenovo L222 Wide Monitor

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Flat Panel Monitors - US model		FEATURES
<p>Name Case color Part number Stand Screen Viewable image size Aspect ratio Pixel pitch (mm) Max view area (inches) Max view area (mm) Viewing angle at 5:1 CR Viewing angle at 10:1 CR Video input Dual input</p> <p>Rotating screen Soundbar</p>	<p>Lenovo L195 Wide Flat Panel Monitor High gloss black 18002904 Tilt stand LCD Active Matrix TFT (Thin Film Transistor) 19.0" / 481mm (diagonal) 16:10 0.282mm 16.2" x 10.1" (horizontal x vertical) 410mm x 257mm (horizontal x vertical) 176° vertical, 176° horizontal 160° vertical, 160° horizontal Digital or analog (two separate connectors) Dual input (two different PCs attach to two different connectors; one PC shows image; select via button) None Installed on bottom of monitor, volumn control knob, two stereo speakers (3 watts), powered by monitor, microphone input jack, headphone jack</p>	<ul style="list-style-type: none"> • All-purpose 19-inch wide flat panel LCD monitor • View images in a 16x10 wide aspect ratio • Slim 14.3mm (0.56") side bezel • High-bandwidth Digital Content Protection (HDCP)-compliant • Resolution of 1440x900 provides crisp screen images • Stand tilts for comfortable viewing • Rear stand cover to hide cables for easy cable management • Soundbar with stereo speakers for daily audio usage • Direct access for automatic image setup, input selection, and NovoVision • NovoVision offers four modes (text, Internet, video, and split demo) and provides automatic contrast, brightness, color correction, and color enhancement • Integrated power supply eliminates the bulky power adapter for improved cable management • Matching design to IdeaCentre® systems • Microsoft® Windows® Vista™ Premium certified
<p>Optimum resolution Maximum resolution Vertical frequency Horizontal frequency Display colors (maximum) Preset display modes</p> <p>Presets / user settings Brightness Contrast ratio Pixel response time Scaling</p>	<p>1440x900 at 60Hz 1440x900 at 75Hz (137MHz maximum pixel rate) 50 to 76Hz 30 to 81kHz 16.7 million simultaneous colors VGA: 640x480 60, 72, 75Hz SVGA: 800x600 56, 60, 72, 75Hz XGA: 1024x768 60, 70, 75Hz SXGA: 1280x1024 60, 70, 72, 76Hz WXGA+: 1440x900 60, 75Hz Standard presets: 17; user settings: 15 300 nits or cd/m² (typical) 1000:1 (typical) 5ms (typical) Automatically expands image of lower resolution to full screen of 1440x900</p>	 <p>Lenovo L195 Wide</p>
<p>On screen display Control features</p> <p>Monitor connectors</p> <p>Signal cable</p> <p>Anti-reflective / anti-glare Dimensions Weight Viewing adjustments Mounting features Security</p>	<p>On screen display with digital user controls (7 languages) Direct access (buttons on front) for auto adjustment, input select, and NovoVision (4 preload modes, optimize visual experience for different usages); brightness; contrast; image horizontal and vertical position; user color settings (3 preset + 1 user); on screen display (OSD) language selection; menu position; information screen; image setup; reset of geometry and color point to factory default settings; lockable settings</p> <p>Two connectors: (1) analog 15-pin D-shell [blue] (2) Digital Visual Interface (DVI-D) for digital attach [white], HDCP-compliant</p> <p>Two cables: (1) detachable, 15-pin D-shell at each end (for analog connector), 1.8 meter, matches color of monitor (2) detachable, DVI-D at each end (for digital connector), 1.8 meter, matches color of monitor</p> <p>Anti-reflective / anti-glare 14.67" H x 17.36" W x 7.09" D / 373mm height x 441mm width x 180mm depth 10.2 lb / 4.6 kg Tilt: 20° back, 5° forward / no swivel / no lift / detachable stand None Security keyhole for attachment of optional cable lock (such as Kensington® Microsaver® lock)</p>	
<p>VESA DDC² VESA DPMS-compliant Power management Ergonomics Pixel defect Emission standards Environmental label Ship group</p> <p>Power supply</p> <p>Limited warranty⁴ Available date</p>	<p>DDC/CI DPMS ENERGY STAR^{®3} 4.0 ISO 13406 Part 2¹ ISO 13406-2 Class II pixel defect standard MPR-2 / MPR-3A / FCC Class B WEEE / RoHS (EU Directive 2002/95/EC) Monitor, attached stand, customer installable base, soundbar, Setup Guide, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, analog signal cable, digital signal cable, 1.8m black power cord 100-240Vac (universal) / integrated (no external brick-like power supply) / 48 watts maximum (with soundbar), <2 watts for "active off" 1 year (includes backlight) August 2008</p>	
<p>LIMITED WARRANTY</p> <ul style="list-style-type: none"> ↪ 1-year limited warranty⁴ ↪ Rapid Replacement Service at 1-877-453-6686 ↪ Replacement normally arrives in two business days, excluding holidays ↪ Lenovo pays all shipping costs for valid warranty claims⁶ ↪ 24x7⁵ day toll-free support for warranty issues during the warranty period⁴ 		

See footnotes for important warranty information
US model announced August 5, 2008

Flat Panel Monitors - US model		FEATURES																											
Name	Lenovo L195 Wide Flat Panel Monitor	<ul style="list-style-type: none"> • All-purpose 19-inch wide flat panel LCD monitor • View images in a 16x10 wide aspect ratio • Slim 14.3mm (0.56") side bezel • High-bandwidth Digital Content Protection (HDCP)-compliant • Resolution of 1680x1050 provides crisp screen images • Stand tilts for comfortable viewing • Rear stand cover to hide cables for easy cable management • Soundbar with stereo speakers for daily audio usage • Direct access for automatic image setup, input selection, and NovoVision • NovoVision offers four modes (text, Internet, video, and split demo) and provides automatic contrast, brightness, color correction, and color enhancement • Integrated power supply eliminates the bulky power adapter for improved cable management • Matching design to IdeaCentre® systems • Microsoft® Windows® Vista™ Premium certified 																											
Case color	High gloss black																												
Type-model	4418-HC1 4419-HC1																												
Stand	Tilt stand																												
Screen	LCD Active Matrix TFT (Thin Film Transistor)																												
Viewable image size	19.0" / 481mm (diagonal)																												
Aspect ratio	16:10																												
Pixel pitch (mm)	0.243mm																												
Max view area (inches)	16.1" x 10.0" (horizontal x vertical)																												
Max view area (mm)	408mm x 255mm (horizontal x vertical)																												
Viewing angle at 10:1 CR	160° vertical, 170° horizontal																												
Video input	Digital or analog (two separate connectors)																												
Dual input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)																												
Rotating screen	None																												
Soundbar	Installed on bottom of monitor, volume control knob, two stereo speakers (3 watts), powered by monitor, microphone input jack, headphone jack																												
Optimum resolution	1680x1050 at 60Hz																												
Maximum resolution	1680x1050 at 60Hz (137MHz maximum pixel rate)																												
Vertical frequency	50 to 76Hz																												
Horizontal frequency	30 to 81kHz																												
Display colors (maximum)	16.7 million simultaneous colors																												
Preset display modes	<table border="0"> <tr> <td>640x350</td> <td>70Hz</td> </tr> <tr> <td>PAL VGA: 640x480</td> <td>50Hz</td> </tr> <tr> <td>VGA: 640x480</td> <td>60, 66, 72, 75Hz</td> </tr> <tr> <td>720x400</td> <td>70Hz</td> </tr> <tr> <td>SVGA: 800x600</td> <td>56, 60, 72, 75Hz</td> </tr> <tr> <td>832x624</td> <td>75Hz</td> </tr> <tr> <td>XGA: 1024x768</td> <td>60, 70, 75Hz</td> </tr> <tr> <td>1152x864</td> <td>75Hz</td> </tr> <tr> <td>1280x720</td> <td>60Hz</td> </tr> <tr> <td>1280x768</td> <td>60Hz</td> </tr> <tr> <td>1280x960</td> <td>60Hz</td> </tr> <tr> <td>SXGA: 1280x1024</td> <td>60, 70, 75, 76Hz</td> </tr> <tr> <td>WXGA+: 1440x900</td> <td>60, 75Hz</td> </tr> <tr> <td>WSXGA+: 1680x1050</td> <td>60Hz</td> </tr> </table>	640x350	70Hz	PAL VGA: 640x480	50Hz	VGA: 640x480	60, 66, 72, 75Hz	720x400	70Hz	SVGA: 800x600	56, 60, 72, 75Hz	832x624	75Hz	XGA: 1024x768	60, 70, 75Hz	1152x864	75Hz	1280x720	60Hz	1280x768	60Hz	1280x960	60Hz	SXGA: 1280x1024	60, 70, 75, 76Hz	WXGA+: 1440x900	60, 75Hz	WSXGA+: 1680x1050	60Hz
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SXGA: 1280x1024	60, 70, 75, 76Hz																												
WXGA+: 1440x900	60, 75Hz																												
WSXGA+: 1680x1050	60Hz																												
Presets / user settings	Standard presets: 26; user settings: 27																												
Brightness	300 nits or cd/m ² (typical)																												
Contrast ratio	1000:1 (typical)																												
Pixel response time	5ms (typical)																												
Scaling	Automatically expands image of lower resolution to full screen of 1680x1050																												
On screen display	On screen display with digital user controls (7 languages)																												
Control features	Direct access (buttons on front) for auto adjustment, input select, and NovoVision (4 preload modes, optimize visual experience for different usages); brightness; contrast; image horizontal and vertical position; user color settings (3 preset + 1 user); on screen display (OSD) language selection; menu position; information screen; image setup; reset of geometry and color point to factory default settings; lockable settings																												
Monitor connectors	Two connectors: (1) analog 15-pin D-shell [blue]																												
Signal cable	Two cables: (2) Digital Visual Interface (DVI-D) for digital attach [white], HDCP-compliant (1) detachable, 15-pin D-shell at each end (for analog connector), 1.8 meter, matches color of monitor (2) detachable, DVI-D at each end (for digital connector), 1.8 meter, matches color of monitor																												
Anti-reflective / anti-glare	Anti-reflective / anti-glare																												
Dimensions	14.67" H x 17.36" W x 7.09" D / 373mm height x 441mm width x 180mm depth																												
Weight	10.1 lb / 4.6 kg																												
Viewing adjustments	Tilt: 20° back, 5° forward / no swivel / no lift / detachable stand																												
Mounting features	None																												
Security	Security keyhole for attachment of optional cable lock (such as Kensington® Microsaver® lock)																												
VESA DDC ²	DDC/CI																												
VESA DPMS-compliant	DPMS																												
Power management	ENERGY STAR ^{®3} 4.0																												
Ergonomics	ISO 13406 Part 2 ¹																												
Pixel defect	ISO 13406-2 Class II pixel defect standard																												
Emission standards	MPR-2 / MPR-3A / FCC Class B																												
Environmental label	WEEE / RoHS (EU Directive 2002/95/EC)																												
Ship group	Monitor, attached stand, customer installable base, soundbar, Setup Guide, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, analog signal cable, digital signal cable, 1.8m black power cord																												
Power supply	100-240Vac (universal) / integrated (no external brick-like power supply) / 48 watts maximum (with soundbar), <2 watts for "active off"																												
Limited warranty ⁴	4418-HC1: 1 year (includes backlight); 4419-HC1: 3 year (includes backlight)																												
Available date	September 2008																												




Lenovo L195 Wide

LIMITED WARRANTY	
↪	1-year or 3-year limited warranty⁴
↪	Rapid Replacement Service at 1-877-453-6686
↪	Replacement normally arrives in two business days, excluding holidays
↪	Lenovo pays all shipping costs for valid warranty claims⁵
↪	24x7³ day toll-free support for warranty issues during the warranty period⁴

See footnotes for important warranty information
US models announced September 2, 2008

Flat Panel Monitors - US model		FEATURES
Name	Lenovo L222 Wide Flat Panel Monitor	<ul style="list-style-type: none"> • All-purpose 22-inch wide flat panel LCD monitor • View images in a 16x10 wide aspect ratio • Slim 15 mm (0.59") side bezel • High-bandwidth Digital Content Protection (HDCP)-compliant • Resolution of 1680x1050 provides crisp screen images • Stand tilts and swivels for comfortable viewing • Rear stand cover to hide cables for easy cable management • One key release stand for wall mounting • Touch-sensitive buttons for all monitor control features • Direct access for automatic image setup, input selection, and NovoVision • NovoVision offers four modes (text, Internet, video, and split demo) and provides automatic contrast, brightness, color correction, and color enhancement • Integrated power supply eliminates the bulky power adapter for improved cable management • Matching design to IdeaCentre® systems • Microsoft® Windows® Vista™ Premium certified
Case color	High gloss black	
Part number	18002819	
Stand	Tilt and swivel stand	
Screen	LCD Active Matrix TFT (Thin Film Transistor)	
Viewable image size	22.0" / 559mm (diagonal)	
Aspect ratio	16:10	
Pixel pitch (mm)	0.282mm	
Max view area (inches)	18.7" x 11.6" (horizontal x vertical)	
Max view area (mm)	474mm x 296mm (horizontal x vertical)	
Viewing angle at 5:1 CR	176° vertical, 176° horizontal	
Viewing angle at 10:1 CR	160° vertical, 160° horizontal	
Video input	Digital or analog (two separate connectors)	
Dual input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)	
Rotating screen	None	
Soundbar	Installed on bottom of monitor, volume control knob, two stereo speakers (3 watts), powered by monitor, microphone input jack, headphone jack	
Optimum resolution	1680x1050 at 60Hz	 <p style="text-align: center;">Lenovo L222 Wide</p>
Maximum resolution	1680x1050 at 60Hz (146MHz maximum pixel rate)	
Vertical frequency	56 to 76Hz	
Horizontal frequency	30 to 83kHz	
Display colors (maximum)	16.7 million simultaneous colors	
Preset display modes	VGA: 640x480 60, 72, 75Hz 720x400 70Hz SVGA: 800x600 56, 60Hz, 75Hz 832x624 75Hz XGA: 1024x768 60, 70, 75Hz 1152x864 75Hz SXGA: 1280x1024 60, 70, 75, 76Hz WXGA+: 1440 x 900 60, 75Hz WSXGA+: 1680x1050 60Hz	
Presets / user settings	Standard presets: 17; user settings: 17	
Brightness	300 nits or cd/m ² (typical)	
Contrast ratio	1000:1 (typical)	
Pixel response time	5ms (typical)	
Scaling	Automatically expands image of lower resolution to full screen of 1680x1050	
On screen display	On screen display with digital user controls (7 languages), touch-sensitive control buttons	
Control features	Direct access (touch buttons on front) for auto adjustment, input select, and NovoVision (4 preload modes, optimize visual experience for different usages); brightness; contrast; image horizontal and vertical position; user color settings (3 preset + 1 user); on screen display (OSD) language selection; menu position; information screen; image setup; reset of geometry and color point to factory default settings; lockable settings	
Monitor connectors	Two connectors: (1) analog 15-pin D-shell [blue], (2) Digital Visual Interface (DVI-D) for digital attach [white], HDCP-compliant	
Signal cable	Two cables: (1) detachable, 15-pin D-shell at each end (for analog connector), 1.8 meter, matches color of monitor (2) detachable, DVI-D at each end (for digital connector), 1.8 meter, matches color of monitor	
Anti-reflective / anti-glare	Anti-reflective / anti-glare	
Dimensions	16.13" H x 19.89" W x 7.48" D / 410mm height x 505mm width x 190mm depth	
Weight	12.8 lb / 5.8 kg	
Viewing adjustments	Tilt: 20° back, 5° forward / swivel: +/-175° / no lift / detachable stand	
Mounting features	Wall or desk mounting using or third-party accessories meeting the VESA FPMPI® (100mm mount)	
Security	Security keyhole for attachment of optional cable lock (such as Kensington® Microsaver® lock)	
VESA DDC ²	DDC/CI	
VESA DPMS-compliant	DPMS	
Power management	ENERGY STAR® 4.0	
Ergonomics	ISO 13406 Part 2 ¹	
Pixel defect	ISO 13406-2 Class II pixel defect standard	
Emission standards	MPR-2 / MPR-3A / FCC Class B	
Environmental label	WEEE / RoHS (EU Directive 2002/95/EC)	
Ship group	Monitor, attached stand, customer installable base, soundbar, Setup Guide, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, analog signal cable, digital signal cable, 1.8m black power cord	
Power supply	100-240Vac (universal) / integrated (no external brick-like power supply) / 56 watts maximum (with soundbar), <2 watts for "active off"	
Limited warranty ⁴	1 year (includes backlight)	
Available date	August 2008	
LIMITED WARRANTY		
<ul style="list-style-type: none"> ↪ 1-year limited warranty⁴ ↪ Rapid Replacement Service at 1-877-453-6686 ↪ Replacement normally arrives in two business days, excluding holidays ↪ Lenovo pays all shipping costs for valid warranty claims⁶ ↪ 24x7⁵ day toll-free support for warranty issues during the warranty period⁴ 		

See footnotes for important warranty information
US model announced August 5, 2008

Flat Panel Monitors - US model		FEATURES
Name	Lenovo L222 Wide Flat Panel Monitor	<ul style="list-style-type: none"> • All-purpose 22-inch wide flat panel LCD monitor • View images in a 16x10 wide aspect ratio • Slim 15 mm (0.59") side bezel • High-bandwidth Digital Content Protection (HDCP)-compliant • Resolution of 1920x1200 provides crisp screen images • High Definition (HD) ready; supports 1080p video • Stand tilts and swivels for comfortable viewing • Rear stand cover to hide cables for easy cable management • One key release stand for wall mounting • Touch-sensitive buttons for all monitor control features • Direct access for automatic image setup, input selection, and NovoVision • NovoVision offers four modes (text, Internet, video, and split demo) and provides automatic contrast, brightness, color correction, and color enhancement • Matching design to IdeaCentre® systems • Microsoft® Windows® Vista™ Premium certified
Case color	High gloss black	
Type-model	4432-HF1	
Stand	Tilt and swivel stand	
Screen	LCD Active Matrix TFT (Thin Film Transistor)	
Viewable image size	22.0" / 559mm (diagonal)	
Aspect ratio	16:10	
Pixel pitch (mm)	0.247mm	
Max view area (inches)	18.7" x 11.6" (horizontal x vertical)	
Max view area (mm)	474mm x 296mm (horizontal x vertical)	
Viewing angle at 10:1 CR	160° vertical, 170° horizontal	
Video input	Digital or analog (two separate connectors)	
Dual input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)	
Rotating screen	None	
Soundbar	Installed on bottom of monitor, volume control knob, two stereo speakers (3 watts), powered by monitor, microphone input jack, headphone jack	
Optimum resolution	1920x1200 at 60Hz	 <p style="text-align: center;">Lenovo L222 Wide</p>
Maximum resolution	1920x1200 at 60Hz (205MHz maximum pixel rate)	
Vertical frequency	50 to 75Hz	
Horizontal frequency	30 to 83kHz	
Display colors (maximum)	16.7 million simultaneous colors	
Preset display modes	VGA: 640x480 60Hz SVGA: 800x600 56, 60Hz XGA: 1024x768 60Hz SXGA: 1280x1024 60Hz WXGA+: 1440 x 900 60Hz WSXGA+: 1680x1050 60Hz WSXGA+: 1680x1050 60Hz WUXGA: 1920x1200 60Hz	
Presets / user settings	Standard presets: 8; user settings: 10	
Brightness	300 nits or cd/m ² (typical)	
Contrast ratio	1000:1 (typical)	
Pixel response time	5ms (typical)	
Scaling	Automatically expands image of lower resolution to full screen of 1920x1200	
On screen display	On screen display with digital user controls (7 languages), touch-sensitive control buttons	
Control features	Direct access (touch buttons on front) for auto adjustment, input select, and NovoVision (4 preload modes, optimize visual experience for different usages); brightness; contrast; image horizontal and vertical position; user color settings (3 preset + 1 user); on screen display (OSD) language selection; menu position; information screen; image setup; reset of geometry and color point to factory default settings; lockable settings	
Monitor connectors	Two connectors: (1) analog 15-pin D-shell [blue], (2) Digital Visual Interface (DVI-D) for digital attach [white], HDCP-compliant	
Signal cable	Two cables: (1) detachable, 15-pin D-shell at each end (for analog connector), 1.8 meter, matches color of monitor (2) detachable, DVI-D at each end (for digital connector), 1.8 meter, matches color of monitor	
Anti-reflective / anti-glare	Anti-reflective / anti-glare	
Dimensions	16.13" H x 19.89" W x 7.48" D / 410mm height x 505mm width x 190mm depth	
Weight	12.8 lb / 5.8 kg	
Viewing adjustments	Tilt: 20° back, 5° forward / swivel: +/-175° / no lift / detachable stand	
Mounting features	Wall or desk mounting using or third-party accessories meeting the VESA FPMPI® (100mm mount)	
Security	Security keyhole for attachment of optional cable lock (such as Kensington® Microsaver® lock)	
VESA DDC ²	DDC/CI	
VESA DPMS-compliant	DPMS	
Power management	ENERGY STAR® 4.0	
Ergonomics	ISO 13406 Part 2 ¹	
Pixel defect	ISO 13406-2 Class II pixel defect standard	
Emission standards	MPR-2 / MPR-3A / FCC Class B	
Environmental label	WEEE / RoHS (EU Directive 2002/95/EC)	
Ship group	Monitor, attached stand, customer installable base, soundbar, Setup Guide, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, analog signal cable, digital signal cable, 1.8m black power cord	
Power supply	100-240Vac (universal) / integrated (no external brick-like power supply) / 56 watts maximum (with soundbar), <2 watts for "active off"	
Limited warranty ⁴	1 year (includes backlight)	
Available date	September 2008	
LIMITED WARRANTY		
<ul style="list-style-type: none"> ↪ 1-year limited warranty⁴ ↪ Rapid Replacement Service at 1-877-453-6686 ↪ Replacement normally arrives in two business days, excluding holidays ↪ Lenovo pays all shipping costs for valid warranty claims⁶ ↪ 24x7⁸ day toll-free support for warranty issues during the warranty period⁴ 		

See footnotes for important warranty information
US model announced September 2, 2008



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, write to: Warranty Information, P.O. Box 12195, RTP, NC, 27709, Attn: Dept ZPYA/B676. Lenovo makes no representation or warranty regarding third party products or services.

- ¹ **ISO-compliant:** Compliance with ISO 9241 Part 3, ISO Part 7, ISO Part 8, and/or ISO 13406 Part 2 is dependent on a complete ISO-capable platform of a system unit, monitor, video subsystem, operating system and fonts.
- ² **VESA:** Requires attachment to suitably configured system with similarly enabled operating system.
- ³ **ENERGY STAR:** As an ENERGY STAR partner, Lenovo has determined that this product meets the ENERGY STAR 4.0 or 4.1 guidelines for energy efficiency. Requires attachment to suitably configured system.
- ⁴ **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.
- ⁶ **Lenovo pays all shipping costs** for warranty repairs during limited warranty period.
- ⁸ **Telephone support** may be subject to additional charges, even during the limited warranty period. In the United States call 877-453-6686. Response times may vary. May exclude some holidays.

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