

Personal Systems Reference Lenovo® Consumer Monitors

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Lenovo L222 Wide Monitor

Lenovo™ L195 Wide

Flat Panel Monitors - US model **FEATURES** Name Lenovo L195 Wide Flat Panel Monitor · All-purpose 19-inch wide flat panel LCD monitor Case color High gloss black View images in a 16x10 wide aspect ratio Part number 18002904 • Slim 14.3mm (0.56") side bezel High-bandwidth Digital Content Protection (HDCP)-compliant Resolution of 1440x900 provides crisp screen images Stand Tilt stand LCD Active Matrix TFT (Thin Film Transistor) Screen Viewable image size 19.0" / 481mm (diagonal) · Stand tilts for comfortable viewing Aspect ratio 16:10 • Rear stand cover to hide cables for easy cable management Pixel pitch (mm) 0.282mm Soundbar with stereo speakers for daily audio usage Max view area (inches) 16.2" x 10.1" (horizontal x vertical) • Direct access for automatic image setup, input selection, Max view area (mm) 410mm x 257mm (horizontal x vertical) and NovoVision Viewing angle at 5:1 CR 176° vertical, 176° horizontal • NovoVision offers four modes (text, Internet, video, 160° vertical, 160° horizontal Viewing angle at 10:1 CR and split demo) and provides automatic contrast, brightness, Digital or analog (two separate connectors) Dual input (two different PCs attach to two different Video input color correction, and color enhancement Dual input Integrated power supply eliminates the bulky power adapter connectors; one PC shows image; select via button) for improved cable management Rotating screen Soundbar Matching design to IdeaCentre® systems Installed on bottom of monitor, volumn control knob, two stereo speakers (3 watts), powered by monitor, microphone input jack, headphone jack Microsoft® Windows® Vista™ Premium certified 1440x900 at 60Hz Optimum resolution Maximum resolution 1440x900 at 75Hz (137MHz maximum pixel rate) Vertical frequency 50 to 76Hz Horizontal frequency 30 to 81kHz Display colors (maximum) 16.7 million simultaneous colors 60, 72, 75Hz 56, 60, 72, 75Hz 60, 70, 75Hz Preset display modes VGA: 640x480 SVGA: 800x600 XGA: 1024x768 SXGA: 1280x1024 60, 70, 72, 76Hz WXGA+: 1440x900 60, 75Hz Presets / user settings Standard presets: 17; user settings: 15 300 nits or cd/m2 (typical) Brightness Contrast ratio 1000:1 (typical) Pixel response time 5ms (typical) Automatically expands image of lower resolution to full screen of 1440x900 Scaling Lenovo L195 Wide 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 (1) analog 15-pin D-shell [blue] (2) Digital Visual Interface (DVI-D) for digital attach [white], **HDCP-compliant** Monitor connectors Two connectors: (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 Signal cable Two cables: Anti-reflective / anti-glare Anti-reflective / anti-glare 14.67" H x 17.36" W x 7.09" D / 373mm height x 441mm width x 180mm depth **Dimensions** 10.2 lb / 4.6 kg Tilt: 20° back, 5° forward / no swivel / no lift / detachable stand Weight Viewing adjustments Mounting features Security Security Security keyhole for attachment of optional cable lock (such as Kensington® Microsaver® lock) VESA DDC² DDC/CI VESA DPMS-compliant **DPMS** ENERGY STAR®3 4.0 Power management ISO 13406 Part 2¹ ISO 13406-2 Class II pixel defect standard Ergonomics Pixel defect **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 100-240Vac (universal) / integrated (no external brick-like power supply) / Power supply 48 watts maximum (with soundbar), <2 watts for "active off Limited warranty4 1 year (includes backlight) Available date August 2008 LIMITED WARRANTY 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

Lenovo™ L195 Wide (4418)

Flat Panel N	Monitors - US model	FEATURES
Name Case color Type-model Stand Screen Viewable image size Aspect ratio Pixel pitch (mm) Max view area (inches) Max view area (mm) Viewing angle at 10:1 CR Video input Dual input Rotating screen Soundbar	Lenovo L195 Wide Flat Panel Monitor High gloss black 4418-HC1 Tilt stand LCD Active Matrix TFT (Thin Film Transistor) 19.0" / 481mm (diagonal) 16:10 0.243mm 16.1" x 10.0" (horizontal x vertical) 408mm x 255mm (horizontal x vertical) 160° vertical, 170° 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	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
Optimum resolution Maximum resolution Vertical frequency Horizontal frequency Display colors (maximum) Preset display modes	1680x1050 at 60Hz 1680x1050 at 60Hz (137MHz maximum pixel rate) 50 to 76Hz 30 to 81kHz 16.7 million simultaneous colors 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 1280x720 60Hz 1280x768 60Hz SXGA: 1280x1024 60, 70, 75, 76Hz WXGA+: 1440x900 60, 75Hz WSXGA+: 1680x1050 60Hz Standard presets: 26; user settings: 27	
Brightness Contrast ratio Pixel response time Scaling	300 nits or cd/m² (typical) 1000:1 (typical) 5ms (typical) Automatically expands image of lower resolution to full screen of 1680x1050	Lenovo L195 Wide
On screen display Control features	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	
Monitor connectors Signal cable	Two connectors: (1) analog 15-pin D-shell [blue] (2) Digital Visual Interface (DVI-D) for digital attach [white], HDCP-compliant Two cables: (1) detachable, 15-pin D-shell at each end (for analog connector), 1.8 meter, matches color of monitor	
Anti-reflective / anti-glare Dimensions Weight Viewing adjustments Mounting features Security	(2) detachable, DVI-D at each end (for digital connector), 1.8 meter, matches color of monitor Anti-reflective / anti-glare 14.67" H x 17.36" W x 7.09" D / 373mm height x 441mm width x 180mm depth 10.1 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)	
VESA DDC² VESA DPMS-compliant Power management Ergonomics Pixel defect Emission standards Environmental label Ship group Power supply Limited warranty⁴ Available date	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) September 2008	
 ⇒ Replacement normall ⇒ Lenovo pays all shipp 	LIMITED WARRANTY ty ⁴ service at 1-877-453-6686 y arrives in two business days, excluding holidays bing costs for valid warranty claims ⁶ pport for warranty issues during the warranty period ⁴	

Lenovo™ L222 Wide

Flat Panel Monitors - US model **FEATURES** Name Lenovo L222 Wide Flat Panel Monitor · All-purpose 22-inch wide flat panel LCD monitor Case color High gloss black View images in a 16x10 wide aspect ratio Part number 18002819 • Slim 15 mm (0.59") side bezel High-bandwidth Digital Content Protection (HDCP)-compliant Resolution of 1680x1050 provides crisp screen images Stand Tilt and swivel stand LCD Active Matrix TFT (Thin Film Transistor) Screen Viewable image size 22.0" / 559mm (diagonal) • Stand tilts and swivels for comfortable viewing Aspect ratio 16:10 • Rear stand cover to hide cables for easy cable management Pixel pitch (mm) 0.282mm One key release stand for wall mounting Max view area (inches) 18.7" x 11.6" (horizontal x vertical) • Touch-sensitive buttons for all monitor control features Max view area (mm) 474mm x 296mm (horizontal x vertical) • Direct access for automatic image setup, input selection, Viewing angle at 5:1 CR 176° vertical, 176° horizontal and NovoVision 160° vertical, 160° horizontal Viewing angle at 10:1 CR NovoVision offers four modes (text, Internet, video, Digital or analog (two separate connectors) Dual input (two different PCs attach to two different Video input and split demo) and provides automatic contrast, brightness, Dual input color correction, and color enhancement connectors; one PC shows image; select via button) Integrated power supply eliminates the bulky power adapter Rotating screen Soundbar for improved cable management Installed on bottom of monitor, volumn control knob, two stereo speakers (3 watts), powered by monitor, microphone input jack, headphone jack Matching design to IdeaCentre® systems Microsoft® Windows® Vista™ Premium certified 1680x1050 at 60Hz Optimum resolution 1680x1050 at 60Hz (146MHz maximum pixel rate) Maximum resolution 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 Standard presets: 17; user settings: 17 300 nits or cd/m² (typical) Presets / user settings Brightness Contrast ratio 1000:1 (typical) Pixel response time 5ms (typical) Automatically expands image of lower resolution to full screen of 1680x1050 Scaling Lenovo L222 Wide 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 (1) analog 15-pin D-shell [blue], (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 Monitor connectors Two connectors: Signal cable Two cables: Anti-reflective / anti-glare 16.13" H x 19.89" W x 7.48" D / 410mm height x 505mm width x 190mm depth Anti-reflective / anti-glare **Dimensions** 12.8 lb / 5.8 kg Tilt: 20° back, 5° forward / swivel: +/-175° / no lift / detachable stand Wall or desk mounting using or third-party accessories meeting the VESA FPMPMI® (100mm mount) Wall or desk mounting using or third-party accessories meeting the VESA FPMPMI® (100mm mount) Weight Viewing adjustments Mounting features Security Security keyhole for attachment of optional cable lock (such as Kensington® Microsaver® lock) VESA DDC² DDC/CI VESA DPMS-compliant **DPMS** Power management ENERGY STAR®3 4.0 Ergonomics ISO 13406 Part 21 ISO 13406-2 Class II pixel defect standard MPR-2 / MPR-3A / FCC Class B Pixel defect Emission standards Environmental label 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 Ship group 100-240Vac (universal) / integrated (no external brick-like power supply) / 56 watts for "active off" Power supply Limited warranty4 1 year (includes backlight) Available date August 2008 LIMITED WARRANTY 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

Lenovo™ L222 Wide (4432)

Contract ratio Cont			
Signal color Signal cable Aligh gloss black 432-HF1	Flat Panel	Monitors - US model	FEATURES
Maximum resolution Vertical frequency Horizontal frequency Display colors (maximum) Preset display modes 16.7 million simultaneous colors VGA: 640x480 60Hz SVGA: 800x600 56, 60Hz SVGA: 1024x768 60Hz SVGA: 1024x768 60Hz SVGA: 1280x1024 60Hz WXGA+: 1440 x 900 60Hz WXSGA+: 1680x1050 60Hz WXSGA+: 1680x1050 60Hz WXSGA+: 1680x1050 60Hz WXGA+: 1680x1050 60Hz WXGA+: 1680x1050 60Hz WXGGA: 1920x1200 60Hz Standard presets: 8; user settings: 10 300 nits or cd/m² (typical) 5ms (typical) 5ms (typical) Automatically expands image of lower resolution to full screen of 1920x1200 On screen display Control features On screen display Control features On screen display Control features Monitor connectors Monitor connectors Signal cable Might display maximum pixel rate) 5to to 75Hz 30 to 83kHz SVGA: 460x480 60Hz SVGA: 400x480 60Hz SVGA: 640x480 60Hz SVGA: 640x4780 60Hz SVGA: 640x480 60Hz SVGA: 640x4780 60Hz SVGA: 640x480 60H	Case color Type-model Stand Screen Viewable image size Aspect ratio Pixel pitch (mm) Max view area (inches) Max view area (mm) Viewing angle at 10:1 CR Video input Dual input Rotating screen	High gloss black 4432-HF1 Tilt and swivel stand LCD Active Matrix TFT (Thin Film Transistor) 22.0" / 559mm (diagonal) 16:10 0.247mm 18.7" x 11.6" (horizontal x vertical) 474mm x 296mm (horizontal x vertical) 160° vertical, 170° 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,	 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
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 Two connectors: (1) analog 15-pin D-shell [blue], (2) Digital Visual Interface (DVI-D) for digital attach [white], HDCP-compliant Two cables: (1) detachable, 15-pin D-shell at each end (for analog connector), 1.8 meter, matches color of monitor	Maximum resolution Vertical frequency Horizontal frequency Display colors (maximum) Preset display modes Presets / user settings Brightness Contrast ratio Pixel response time	1920x1200 at 60Hz (205MHz maximum pixel rate) 50 to 75Hz 30 to 83kHz) 16.7 million simultaneous colors VGA: 640x480 60Hz SVGA: 800x600 56, 60Hz XGA: 1024x768 60Hz SXGA: 1280x1024 60Hz WXGA+: 1440 x 900 60Hz WSXGA+: 1680x1050 60Hz WSXGA+: 1680x1050 60Hz WSXGA+: 1920x1200 60Hz Standard presets: 8; user settings: 10 300 nits or cd/m² (typical) 1000:1 (typical) 5ms (typical) Automatically expands image of lower resolution to	Lenovo L222 Wide
Anti-reflective / anti-glare Dimensions Weight Viewing adjustments Mounting features Security Anti-reflective / anti-glare 16.13" H x 19.89" W x 7.48" D / 410mm height x 505mm width x 190mm depth 12.8 lb / 5.8 kg Tilt: 20° back, 5° forward / swivel: +/-175° / no lift / detachable stand Wall or desk mounting using or third-party accessories meeting the VESA FPMPMI® (100mm mount) Security keyhole for attachment of optional cable lock (such as Kensington® Microsaver® lock)	Control features Monitor connectors Signal cable Anti-reflective / anti-glare Dimensions Weight Viewing adjustments Mounting features	On screen display with digital user controls (7 languages), touch-sensitive control buttons 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 Two connectors: (1) analog 15-pin D-shell [blue],	
VESA DDC² VESA DPMS-compliant Power management Ergonomics Pixel defect Emission standards Environmental label Ship group 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 w	VESA DDC² VESA DPMS-compliant Power management Ergonomics Pixel defect Emission standards Environmental label Ship group Power supply Limited warranty ⁴	DDC/CI DPMS ENERGY STAR®34.0 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) / 56 watts maximum (with soundbar), <2 watts for "active off" 1 year (includes backlight)	
LIMITED WARRANTY 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 24x7⁶ day toll-free support for warranty issues during the warranty period⁴ See fectoretee for important warranty information.	Rapid Replacement Replacement Lenovo pays all ship 24x78 day toll-free su	nty ⁴ Service at 1-877-453-6686 Ily arrives in two business days, excluding holidays ping costs for valid warranty claims ⁶ upport for warranty issues during the warranty period ⁴	© Longue

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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.
- 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.
- ³ 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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