

Technical Specifications

HP LE1901w 19-inch Widescreen LCD Monitor

Model

NK570AA

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| Panel | Type | 19-in (48.14-cm) Wide-Aspect Active Matrix TFT (thin film transistor) |
| | Viewable Image Area (diagonal) | 19 in (48.14 cm) wide (WXGA+); diagonally measured |
| | Screen Opening (W x H) | 16.1 x 10.0 in (40.82 x 25.52 cm) |
| | Panel Type | TN |
| | Aspect Ratio | 16:10 |
| | Viewing Angle (typical) | Up to 160° horizontal/160° vertical (10:1 minimum contrast ratio) |
| | Brightness (typical)* | 250 nits (cd/m ²) |
| | Contrast Ratio (typical)* | 1000:1 |
| | Response Time (typical)* | ≤5 ms (on/off) |
| | Pixel Pitch | .2835 mm |
| | Backlight Lamp Life (to half brightness) | 50 K hours |
| | Color Gamut | 72% |
| | * All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. | |
| On Screen Display (OSD) Controls | Buttons or Switches | Auto adjust/OSD down, OSD UP, OSD menu select, power |
| | Languages | English, French, German, Spanish, Italian, Dutch, and Japanese, S. Chinese, Portuguese |
| | User Controls | Brightness, contrast, positioning, color temperature (6500k, 9300k, custom), individual color control, serial number, display, clock, clock phase, monitor management, factory reset, zoom |
| Signal Interface/ Performance | Horizontal Frequency | 24 to 83 kHz |
| | Vertical Frequency | 50 to 76 Hz |
| | Native Resolution | 1440 x 900 @ 60 Hz |
| | Preset VESA Graphic Modes (non-interlaced) | 1280 x 1024 @ 60 Hz and 75 Hz |
| | | 1280 x 960 @ 60 Hz |
| | | 1024 x 768 @ 60 Hz and 75 Hz |
| | | 800 x 600 @ 60 Hz and 75 Hz |
| | | 640 x 480 @ 60 Hz and 75 Hz |
| | CVT Mode | 1152 x 720 @ 60 Hz 1280 x 768 @ 60 Hz |
| | Text Mode | 720 x 400 @ 70 Hz |
| Mac Mode | 1152 x 870 @ 75 Hz and 832 x 624 @ 75 Hz | |

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| | Sun Mode | 1152 x 900 @ 66 Hz |
| | Maximum Pixel Clock Speed | 140 MHz (analog input) |
| | User Programmable Modes | Yes, 15 |
| | Anti-Glare | Yes |
| | Anti-Static | No |
| | Default Color Temperature | 6500 K |
| Video/Other Inputs | Plug and Play | Yes |
| | Self Powered USB 2.0 Hub | No |
| | Input Signal | VGA |
| | Input Impedance | 75 ohms ± 10% |
| | Sync Input | TTL separate synch or Composite Sync |
| | VGA Cable | 15 pin D-sub VGA |
| | VGA Cable Length | 5.9 ft (1.8 m) |
| Power | Input Power | Auto-Sensing, 90 to 265 VAC, |
| | Frequency | 45 to 63 Hz |
| | Typical Power Consumption | 22.8 watts |
| | Maximum | 29.0 watts |
| | Power Saving | 2 watts standby; 1 watt off |
| | Power Cable Length | 6.2 ft (1.9 m) |
| Mechanical | Dimensions (H x W x D) | Unpacked w/stand 14.6 x 17.6 x 8.1 in (37.0 x 44.6 x 20.6 cm) |
| | | Unpacked w/o stand (head only) 11.9 x 17.6 x 2.3 in (30.1 x 44.6 x 5.9 cm) |
| | | Packaged 17.6 x 20.2 x 5.2 in (44.5 x 51.3 x 13.2 cm) |
| | Weight | Unpacked 8.96 lb (4.3 kg) |
| | | Head only 8.8 lb (4.0 kg) |
| | | Packaged 12.6 lb (5.7 kg) |
| | Tilt Range | -5° to + 25° vertical |
| | Swivel Range | No |
| | Height Adjustable | No |
| | Pivot Rotation | No |
| Base | Detachable, ships detached | |
| Environmental | Temperature - Operating | -29° to 140° F (-34° to 60° C) |
| | Temperature - Non-operating | -4° to 140° F (-20° to 60° C) |
| | Humidity - Operating | 20% to 80% non-condensing |
| | Humidity - Non-operating | 5% to 95%, 38.7° C max wet-bulb |
| | Altitude - Operating | +12,000 ft (3,658 m) |
| | Altitude - Non-operating | +40,000 ft (12,192 m) |

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| Options | HP LCD Speaker Bar – Part number: NQ576AA | Powered directly by the connected PC, the Speaker Bar seamlessly attaches to the monitor's lower bezel to bring full audio support to select HP LCD monitors. Features include dual speakers with full sound range and dual external headphone jacks. Sold separately. For more information, refer to the product's QuickSpecs. |
| | HP LCD Monitor Quick Release – Part number EM870AA¹ | An easy-to-use, VESA-compliant, LCD monitor mounting solution that allows you to quickly and securely attach an LCD monitor to a variety of stands, brackets, arms or wall mounts. For more information, refer to this product's QuickSpecs document. |
| | HP USB Graphics Adapter—Part number—NL571AA | Enables connection of up to six simultaneous displays to help you boost productivity and multi-task across several open applications. Use one Adapter to bridge between a notebook or desktop PC and second monitor or use multiple Adapters to connect several displays to each other. |
| | HP Business PC Security Lock Kit—Part number PV606AA | Attaches to the rear of the PC with a six-foot steel cable that can be used to secure a PC or peripherals such as mice, keyboards, monitors or USB security devices to protect them against unauthorized removal by physically connecting the system to an anchor point. |
| Other | Accessories Included | VGA cable – connects the graphic card's VGA connector to the monitor's VGA input |
| | Software | HP Display Assistant is a software utility that allows monitor adjustment and color calibration using the Display Data Channel Command Interface (DDC/CI) protocol of the connected PC. HP Display LiteSaver allows you to schedule Sleep mode at preset times to help protect the monitor against image retention, drastically lower power consumption and energy costs, and extend the lifespan of the monitor. |
| | User Guide Languages | English, B. Portuguese, French, LA Spanish, Korean, S. Chinese, T. Chinese, Bahasa, Japanese, Danish, Finnish, German, Norwegian, Spanish, Swedish, Greek, Polish, Russian, Slovenian, Turkish |
| | Warranty Languages | English, Canadian French, LA Spanish, Brazilian Portuguese, Danish, German, Castilian Spanish, French, Italian, Dutch, Norwegian, Finnish, Swedish, Bahasa Indonesian, Korean, T. Chinese, S. Chinese |
| | Color | Black |
| | VESA External Mounting | Yes, standard 4 hole pattern, 100 mm |
| | Kensington Lock-Ready | Yes |
| Certification and Compliance | | TCO5 (Low Emissions), ISO 9241-307, CISPR Requirements, VCCI Approvals, KC and KCC (Korean) Requirements, CSA 60950-1, UL 60950-1, EN55022 Class B, CNS 13438 Class B, IEC 60950-1, China Energy Label (CEL), China MEPS, Korea MEPS (pending, Energy Boy), SmartWay – NA only - Energy logistics, EUP Lot 6 Tier 1 AS/NZS 3548 Class B Approval, "GS" Mark, TUV Approvals, GEEA, CE Marking, FCC Part 15 class B Approval, ENERGY STAR® qualified, EN55024 Class B, EN60950 - 1, CUL, CCIB, CCEE, IT ECO (EDS) |
| Compatibility | | Compatible with platforms using the VESA standard video modes. Recommended for use with HP products. |

¹ The HP Quick Release has been designed to support a maximum of up to 24 lbs (10.9 kg) for all devices mounted. Because mounting surfaces vary widely and the final mounting method and configuration may vary, mounting fasteners are not supplied (other than the VESA-compliant screws). HP recommends that you consult with a qualified engineering, architectural or construction professional to determine the appropriate type and quantity of mounting fasteners required for your application and to ensure that your mounting solution is properly installed to support applied loads.

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Service and Warranty

Three years parts, labor, and on-site service. 24-hour, 90-day, toll-free technical support. Replacement options may include second business day on-site service, or next business day direct replacement, at HP's sole discretion. ² With direct replacement, HP will ship a replacement display product directly to you. Using the prepaid shipping labels provided, return your failed display to HP in the same packaging as the replacement. Certain restrictions and exclusions apply. For details see your product warranty or contact HP Customer Support.

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