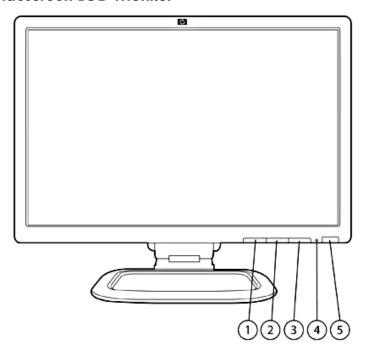
Technical Specifications

HP L2445w 24-inch Widescreen LCD Monitor



- 1. Menu / Select
- **2**. "-"/Auto
- **3.** "+"

- 4. Power LED
- **5.** Power

Model

KT931AA

Panel Type 24-IIICH Vylde-Asbect Active iylatix ir i tilli illi illa	Panel	Type	24-inch Wide-Aspect Active Matrix TFT (thin film transis
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Viewable Image Area 24 in (61 cm) widescreen; diagonally measured

Screen Opening 20.49 x 12.83 in (52.04 x 32.6 cm)

(W x H)

Viewing Angle (typical) Up to 160° horizontal/160° vertical (10:1 minimum contrast ratio)

Brightness (typical)* 400 nits (cd/m²)

Contrast Ratio (typical)*1000:1Response Time (typical)*5 ms (on/off)Pixel Pitch0.270 mmBacklight Lamp Life40K hours

(to half brightness)

Color Gamut 92% of NTSC

*All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

Buttons or Switches Menu select, Auto adjust/OSD down, Input select/OSD up, Power



Technical Specifications

On Screen Display (OSD) Controls

Buttons or Switches Menu select, Auto adjust/OSD down, Input select/OSD up, Power

Languages English, French, German, Spanish, Italian, Netherlands, Japanese, S.

Chinese, and Brazilian Portuguese

User Controls Brightness, contrast, positioning, color temperature (6500k, 9300k,

custom), individual color control, serial number, display, clock, clock phase,

monitor management (power saver, sleep), factory reset

Signal Interface/ Performance Horizontal Frequency 24 to 83 kHz (VGA input); 24 to 83 KHz (DVI input for modes with pixel

clock less than 165 MHz)

Vertical Frequency 50 to 76 Hz (VGA input); 50 to 76 Hz (DVI input for modes with pixel

clock less than 165 MHz)

Native Resolution 1920 x 1200 @ 60 Hz (WUXGA), 16.7 Million pixels

Preset VESA Graphic Modes 1920 x 1200 @ 60 Hz

(non-interlaced) 1680 x 1050 @ 60 Hz

1600 x 1000 @ 60 Hz 1440 x 900 @ 60 Hz

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

Text Mode 720 x 400 @ 70 Hz

Mac Mode 1152 x 870 @ 75 Hz and 832 x 624 @ 75 Hz Maximum Pixel Clock Speed 200 MHz (analog input); 165 MHz (DVI input)

User Programmable Modes Yes, 17
Anti-Glare Yes
Anti-Static Yes

Default Color Temperature 6500 K

Video/Other Inputs

Plug and Play Yes

Self Powered USB 2.0 Hub One upstream, four downstream ports (cable included)

Input Signal VGA and DVI-D connectors; HDCP support

Input Impedance75 ohms \pm 10%Sync InputTTL separate synch

Video Cable one DVI-D to DVI-D and one 15-pin D-sub (VGA)

Video Cable Lengths VGA 5.9 ft (1.8 m),

DVI-D 6.6 ft (2.0 m)

Power Input Power Auto-Sensing, 100 to 240 VAC, 50 +/-3 Hz to 60 +/-3 Hz)

Frequency 47.5 to 63 Hz

Typical Power Consumption 85 watts (without speaker/with 25% USB)

Maximum 120 watts

Power Saving < 2 watts standby; <1 watt off

Power Cable Length 6.2 ft (1.9 m)



Technical Specifications

Mechanical	Dimensions (H x W x D)	Unpacked w/stand 15.6 to 20.74 x 22.26 x 11.85 in (39.66 to 52.68 x 56.55 x 30.1 cm)				
		Unpacked w/o stand (head	•	14.61 x 22.26 x 3.26 in		
		only)		(37.11 x 56.55 x 8.3 cm) 18.3 x 26.18 x 11.22 in		
		Packaged				
				(46.5 x 66.5 x 28.5 cm)		
	Weight	Head Only	13.9 lb (6.3 kg)	· •		
		Unpacked	21.8 lb (9.88 kg)			
		Packaged 28.22 lb (12.8 kg)				
	Tilt Range	-5° to + 35° vertical				
	Swivel Range	-45° to + 45°				
	Height Adjustable	Yes, range 5.12 in (13.0 cm)				
	Pivot Rotation	Yes, 90° to portrait				
	Base	Attachable, ships attached				
Environmental	Temperature - Operating	41° to 95° F (5° to 40° C)				
	Temperature - Non-operating	g -29° 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)				
	Energy Consumption	AC Input Voltage at 100	AC Input Voltage at 115			
	(in accordance with ENERGY STAR® test method)	+/- 3 Hz	VAC +/- 5 VAC, 60 Hz +/- 3 Hz	VAC, 50 Hz +/- 3		
	Jirak • test methody	17 3112	17 0112	Hz		
	Normal Operation	46.33 watts	46.53 watts	47.10 watts		
	Sleep	1.02 watts	1.05 watts	1.22 watts		
	Off	0.64 watts	0.65 watts	0.82 watts		
	Heat Dissipation*	AC Input Voltage at 100	AC Input Voltage at 115			
		VAC +/- 5 VAC, 50 Hz	VAC +/- 5 VAC, 60 Hz			
		+/- 3 Hz	+/- 3 Hz	VAC, 50 Hz +/- 3 Hz		
	Normal Operation	158.19 BTU/hr	158.87 BTU/hr	160.82 BTU/hr		
	•	3.48 BTU/hr	3.59 BTU/hr	4.17 BTU/hr		
	Sleep Off		2.22 BTU/hr			
		2.19 BTU/hr		2.80 BTU/hr		
	*NOTE: Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.					
	Longevity and Upgrading	Upgradeability features contained in the product include: One upstream and four downstream USB ports The monitor meets the ergonomic requirement of EN-ISO 13406-2 for flat				
	Ergonomics					
	Ligonomics					



Technical Specifications

Additional Information

panel displays.

This product is in compliance with the Restrictions of Hazardous Substances (RoHS) Directive, 2002/95/EC.

This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive, 2002/96/EC.

Plastics parts weighing over 25 grams used in the product are marked per ISO 11469 and ISO1043.

Display meets the requirement for low frequency electromagnetic fields per TCO, and prEN50279 A/B/C.

This product contains 0% recycled materials (by wt.)

This product is 95% recyclable when properly disposed of at end of life.

Packaging Materials

Corrugated CartonHDPE BagPolystyrene0.765 kg0.03 kg0.216 kg

Material Usage

This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at

 $\underline{www.hp.com/hpinfo/globalcitizenship/environment/supplychain/gen_sp}$ ecifications.html

- Asbestos
- Certain Azo Colorants
- Certain Brominated Flame Retardants may not be used as flame retardants in plastics
- Cadmium
- Chlorinated Hydrocarbons
- Chlorinated Paraffins
- Formaldehyde
- Halogenated Diphenyl Methanes
- · Lead carbonates and sulfates
- Lead and Lead compounds
- Mercuric Oxide Batteries
- Nickel finishes must not be used on the external surface designed to be frequently handled or carried by the user.
- Ozone Depleting Substances
- Polybrominated Biphenyls (PBBs)
- Polybrominated Biphenyl Ethers (PBBEs)
- Polybrominated Biphenyl Oxides (PBBOs)
- Polychlorinated Biphenyl (PCB)
- Polychlorinated Terphenyls (PCT)



Technical Specifications

Packaging

Polyvinyl Chloride (PVC) – except for wires and cables, and certain retail packaging has been voluntarily removed from most applications.

- Radioactive Substances
- Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)

HP follows these guidelines to decrease the environmental impact of product packaging:

- Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials.
- Eliminate the use of ozone-depleting substances (ODS) in packaging
- Design packaging materials for ease of disassembly.
- Maximize the use of post-consumer recycled content materials in packaging materials.
- Use readily recyclable packaging materials such as paper and corrugated materials.
- Reduce size and weight of packages to improve transportation fuel efficiency.
- Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.

End-of-life Management and Recycling

Hewlett-Packard offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: www.hp.com/recycle or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.

Hewlett-Packard Corporate Environmental Information

For more information about HP's commitment to the environment: Global Citizenship Report

www.hp.com/hpinfo/globalcitizenship/gcreport/index.html

Fco-label certifications

www.hp.com/hpinfo/globalcitizenship/environment

productdesign/ecolabels.html ISO 14001 certificates:

www.hp.com/hpinfo/globalcitizenship/environment/

operations/envmanagement.html

Options HP Silver LCD Speaker Bar -

Part number: EE418AA

Powered directly by the monitor or the 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 external jack for headphones. Sold separately. For more information, refer to the HP Silver LCD Speaker Bar 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 a flat panel monitor to a variety of stands, brackets, arms or wall mounts. For more information, refer to this product's QuickSpecs document.

¹ The HP Quick Release has been designed to support a maximum of up to 24 lbs (10.9 kg) depending upon the mounting configuration used. Please note this is a total weight limit for all devices mounted, i.e. the combined weight of the monitor and a second device such an HP Compaq Thin Client cannot exceed 24 pounds. 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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Technical Specifications

HP Security Lock—Part number Combines aircraft-grade steel and Kevlar fiber to securely lock down your

monitor and help prevent theft.

Other Accessories Included

PC766A

Documentation kit, DVI-D to DVI-D video cable, 15-pin D-sub (VGA) video

cable, USB cable, and power cable

Software HP Display Assistant is a software utility that enables theft deterrence and

allows monitor adjustment, color calibration, and security/asset

management 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 heL protect the monitor against image retention, drastically lower power consumption and energy costs, and extend the lifespan of the monitor.

Pivot Pro software from Portrait Displays, Inc. interacts with your PC's native graphics driver to enable seamless portrait screen redraws with a simple mouse-click or keyboard command. Pivot Pro supports 90-degree portrait and landscape views. Language support is available in English, Japanese, French, German, Spanish, Italian, and Traditional and Simplified Chinese.

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 Carbonite

VESA External Mounting Yes, standard 4 hole pattern, 100 mm

Security Lock-Ready Yes, one security lock slot available

Compatibility Compatible with platforms using the VESA standard video modes. Recommended for use with HP products.

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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² HP Care Pack Services extend service contracts beyond the standard warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at http://www.hp.com/qo/lookuptool. Additional HP Care Pack Services information by product is available at http://www.hp.com/hps/carepack.

