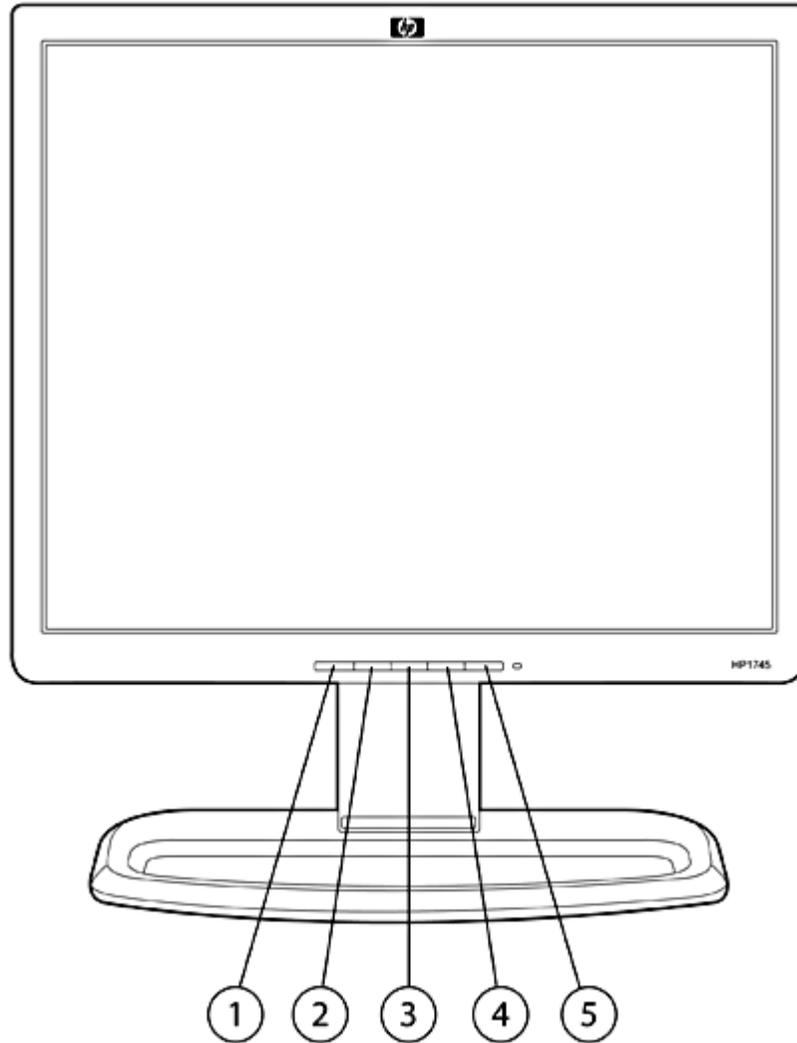


Overview



- | | |
|--------------------------------|--------------------------------|
| 1. Auto Adjust | 4. OSD Navigation/Input Select |
| 2. Menu/Select | 5. Power |
| 3. OSD Navigation/Input Select | |

Models

Part Number: GE178AA

Technical Specifications

Panel	Type	Active matrix, thin film transistor (TFT)
	Viewable Image Area (diagonal)	17 in (43.2 cm)
	Screen Opening (WxH)	13.4 x 10.7 in (34.0 x 27.2 cm)
	Panel Type	TN
	Aspect Ratio	5:4
	Viewing Angle (typical)*	Up to 160° horizontal/160° vertical (10:1 minimum contrast ratio)
	Brightness (typical)*	300 nits (cd/m ²)
	Contrast Ratio (typical)*	800:1
	Response Rate (typical)*	5 ms (rise + fall)
	Pixel Pitch	0.264 mm
	Backlight Lamp Life (to half brightness)	40K hours
<i>*All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.</i>		
Video/Other Inputs	Plug and Play	Yes (supports VESA DDC2B and DDC/CI; PC2001 compliant)
	USB 2.0 Hub	Self-powered; two ports (cable included)
	Input Signal	Two connectors: one 15-pin mini D-sub analog VGA and one DVI-D
	Input Impedance	75 ohms ± 2%
	Sync Input	Separate sync (HSYNC/VSYNC)
	Video Cable	One VGA to VGA cable and one DVI-D to DVI-D cable
	Video Cable Length	70.9 in/1.8 m; detached
Signal Interface/ Performance	Horizontal Frequency	30 to 83 kHz
	Vertical Frequency	56 to 76 Hz
	Native Resolution	1280 x 1024 @ 60 Hz (analog)
		1280 x 1024 @ 60 Hz (digital)
	Max Resolution (Analog)	1280 x 1024 @ 75 Hz
	Max Resolution (Digital)	1280 x 1024 @ 75 Hz
	Preset VESA Graphic Modes (non-interlaced)	640 x 480 @ 60 Hz, 72 Hz, 75 Hz
		720 x 400 @ 70 Hz
		800 x 600 @ 60 Hz, 72 Hz, 75 Hz
		1024 x 768 @ 60 Hz, 70 Hz, 75 Hz
		1280 x 1024 @ 60 Hz, 75 Hz
	Preset MAC Mode	832 x 624 @ 75 Hz
		1152 x 870 @ 75 Hz
Preset SUN Mode	1152 x 900 @ 76 Hz	
Fail Safe Mode	Yes (limits out of range signal messages)	
Maximum Pixel Clock Speed	140 MHz	

Technical Specifications

User Programmable Modes	Yes, 15
Anti-Glare	Yes
Anti-Static	Yes
AssetControl	Yes (accessible on HP Compaq Business Desktops featuring HP Client Manager)
Default Color Temperature	6500° Kelvin

On Screen Display (OSD) Buttons and Switches Controls	4-button OSD (auto-adjust, menu, minus, plus); power on/off; second-level OSD buttons include dual-input switch
	Languages English, Spanish, French, German, Dutch, Italian, Simplified Chinese
	User Controls Size and positioning, contrast, brightness, clock, clock phase, selectable color temperature, serial number, mode displayed, sleep timer, input selection, factory reset, individual color contrast, full-screen resolution

Power	Power Supply	Auto-ranging, 90 to 265 VAC; internal power supply
	Input Power	100 ~ 240 VAC
	Nominal Current	1.5 A maximum
	Frequency	50 ~ 60 Hz
	Avg. Power Consumption	~33 watts (when displaying standard office applications)
	Typ. Power Consumption	< 40 watts
	Max. Power Consumption	< 60 watts
	Power Saving Mode	< 2 watts
	Off Mode	< 2 watts
Power Cable Length	74.8 in (1.9 m); detached	

Mechanical	Dimensions (H x W x D)	Packaged	22.3 x 15.4 x 11.5 in (56.7 x 39.2 x 29.2 cm)
		Unpacked with stand (minimum height)	16.3 x 14.6 x 8.3 in (41.3 x 37.1 x 21.0 cm)
		Unpacked with stand (maximum height)	21.4 x 14.6 x 8.3 in (54.3 x 37.1 x 21.0 cm)
		Base area (footprint)	12.1 x 8.3 in (30.8 x 21.0 cm)
		Panel only (without stand)	12.4 x 14.6 x 2.5 in (31.5 x 37.1 x 6.4 cm)
		Weight	Packaged
		Unpacked with stand	16.1 lb (7.3k g)
		Panel Only (without stand)	8.3 lb (3.76 kg)
	Bezel Width	17 mm left and right, 17 mm top, and 24 mm bottom	
	Tilt Range	-5° to +35°	
	Swivel Range	± 50° horizontal swivel	
	Height Adjustable	Yes (5.1 in/13 cm adjustment range)	
	Pivot Rotation	Yes, 90° into portrait orientation	
Base	Ships attached and is removable (four screws)		

Technical Specifications

Environmental	Temperature – Operating	41° to 95° F (5° to 35° C)			
	Temperature – Non-operating	–4° to 140° F (–20° to 60° C)			
	Humidity – Operating	20% to 80%, non-condensing			
	Humidity – Non-operating	5% to 90%			
	Altitude – Operating	0 to 12,000 ft (0 to 3,658 m)			
	Altitude – Non-operating	0 to 40,000 ft (0 to 12,192 m)			
	Environmental Data	Eco-Label Certifications and Declarations	This product has received or is in the process of being certified to the following approvals and may be labeled with one or more of these marks:		
		<ul style="list-style-type: none"> ● ENERGY STAR® ● IT ECO declaration ● TCO 03 ● CECP 			
Energy Consumption (in accordance with ENERGY STAR test method)		AC Input Voltage at 100 VAC +/- 5 VAC, 50 Hz +/- 3 Hz	AC Input Voltage at 115 VAC +/- 5 VAC, 60 Hz +/- 3 Hz	AC Input Voltage at 230 VAC +/- 5 VAC, 50 Hz +/- 3 Hz	
Normal Operation		24 watts	24 watts	24 watts	
Sleep		0.7 watts	0.8 watts	1.0 watts	
Off		0.7 watts	0.7 watts	0.9 watts	
Heat Dissipation*		100 VAC, 50 Hz	115 VAC, 60 Hz	230 VAC, 50 Hz	
Normal Operation		82.1 BTU/hr	82.1 BTU/hr	82.1 BTU/hr	
Sleep		2.4 BTU/hr	2.7 BTU/hr	3.4 BTU/hr	
Off		2.4 BTU/hr	2.4 BTU/hr	3.1 BTU/hr	
	*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:				
	<ul style="list-style-type: none"> ● Two USB ports 				
Ergonomics	The monitor meets the ergonomic requirement of EN-ISO 13406-2 for flat panel displays.				
Additional Information	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.				
	This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986).				
	Display meets ENERGY STAR requirement for capability of going to low				

Technical Specifications

power state(s) as controlled by CPU Power Management settings.

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.

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

This product is 98% recyclable when properly disposed of at end of life.

Packaging Materials

- Corrugated – 0.95 kg
- Plastic (other) – 0.142 kg
- Polystyrene – 0.664 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 www.hp.com/hpinfo/globalcitizenship/environment/supplychain/gen_specifications.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)
- 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)

Packaging

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 materials.

Technical Specifications

- 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
Eco-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 PC, the Speaker Bar seamlessly attaches to the monitor's lower bezel to bring full audio support to select HP flat panel monitors. Features include dual speakers with full sound range and external jack for headphones. Sold separately. For more information, refer to the QuickSpecs document.
	HP Security Lock-Part number PC766A	Combines aircraft-grade steel and Kevlar fiber to securely lock down your monitor and help prevent theft.
Other	Accessories Included	VGA cable, DVI-D cable, AC power cord, USB cable, user CD-ROM
	Software	HP Display LiteSaver feature 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, French, German, Spanish, Italian, Dutch, Brazilian Portuguese, Danish, Finnish, Greek, Japanese, Korean, Latin American Spanish, Norwegian, Polish, Russian, Slovenian, Turkish, Swedish, Traditional Chinese, Simplified Chinese
	Warranty Languages	English, Canadian French, LA Spanish, Brazilian Portuguese, Danish, German, Castilian Spanish, French, Italian, Dutch, Norwegian, Finnish, Swedish, Bahasa Indonesian, Korean, T. Chinese, Simplified Chinese
	Cabinet Color	Carbonite only
	VESA Mounting Support	Yes (standard 4 hole pattern, 100 mm); base must first be removed
	Kensington Lock	Yes

Technical Specifications

Certification and Compliance	Australian ACA Approval, Canadian Requirements/CSA, CE Marking, China CCIB/CCEE Approval, CISPR Requirements, Eastern European Approvals, ENERGY STAR® qualified, FCC Approval, German Ergonomic (TUV and GS Mark), ISO 13406-2 Compliant (Pixel Defect Guidelines), Mexican NOM Approval, PC2001 Compliant, PC99 Certified, S. Korean MIC Approval, Taiwan BSMI Approval, TCO 99 or 03 depending on region (emissions, ergonomics, environment), TUV-Ergo, UL Listed, VCCI Approvals, Microsoft® Windows® Certification, Windows Vista® Certification
Compatibility	VESA Video Signal Standard (VSI) Compliant video cards have been tested and proven compatible for use with the HP L1745 17-inch LCD Monitor. Recommended for use with HP products.
Service and Warranty	<p>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.* 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.</p> <p>* HP Care Pack Services extend service contracts beyond the standard warranties. Service starts from date of hardware purchase. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at: www.hp.com/go/lookuptool. Additional HP Care Pack Services information by product is available at: www.hp.com/hps/carepack. Service levels and response times for HP Care Packs may vary depending on your geographic location.</p>

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