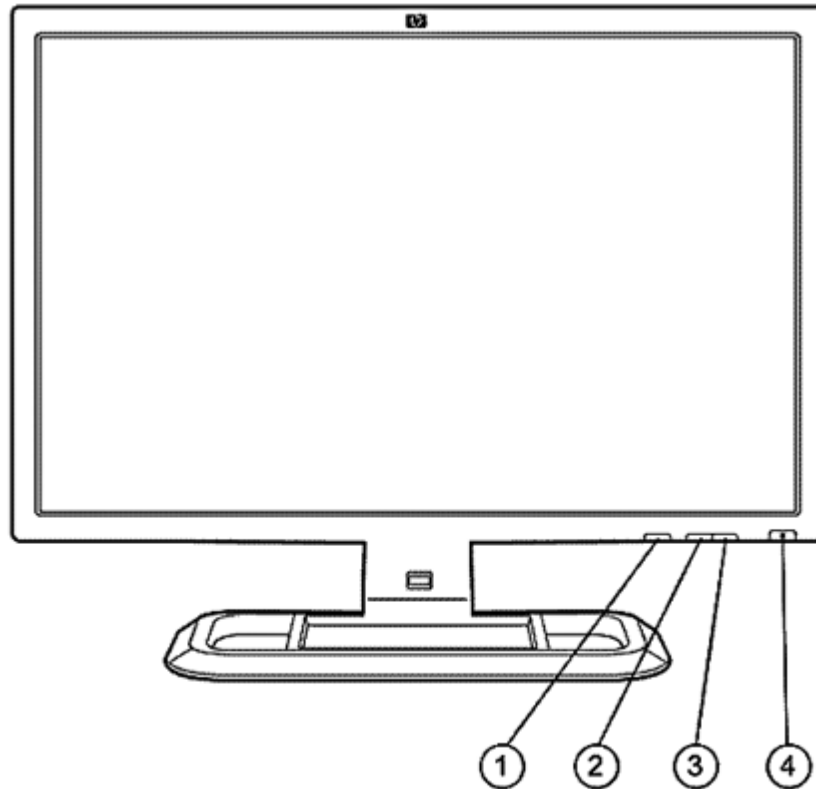


Overview



1. Input select
2. Brightness down

3. Brightness up
4. Power on or off

Models

Workstation Volume and Business Desktop Channel

EZ320A4#ABA

HP Care Pack Services

4 Year Next Business Day Warranty Extension

UE369E

5 Year Next Business Day Warranty Extension

UE370E

Technical Specifications

Panel	Type	30.0-inch Wide Format Active Matrix TFT (thin film transistor)
	Viewable Image Area (diagonal)	29.77 in (75.623 cm)
	Screen Opening (WxH)	25.3 x 15.8 in (64.3 x 40.3 cm)
	Viewing Angle (typical)*	Up to 178° H/ 178° V (10:1 minimum contrast ratio)
	Brightness (typical)*	300 nits (cd/m ²)
	Contrast Ratio (typical)*	1000:1
	Response Rate (typical)*	12 ms (6 ms average gray to gray)
	Pixel Pitch	0.250 mm
	Color Depth Support	16.7 million colors
	Backlight Lamp Life (to half brightness)	40K hours
	Color Gamut	92% of NTSC
* NOTE: 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 and Switches	Input select, brightness up, brightness down, power
	User Controls	Brightness, input selection
Signal Interface/ Performance	Horizontal Frequency	100 KHz
	Vertical Frequency	60 Hz
	Native Resolution	2560 x 1600 @ 60 Hz (native aspect ratio of 16:10)
	Pixel Clock Speed	275 MHz
	Anti-Glare	Yes
	Anti-Static	Yes
	Default Color Temperature	6500 K
	Video/Other Inputs	Plug and Play
Self Powered USB 2.0 Hub		One upstream, four downstream ports (located on side of monitor, cable included)
Input Signal		Three dual-link DVI-D inputs (Windows PC and graphics card that supports DVI ports with dual-link digital bandwidth and VESA DDC standard for plug-and-play setup requires a DVI-D dual-link graphic card that supports WQXGA (2560 x 1600) resolution.)
Video Cable		Two dual-link DVI cables
Video Cable Length		5.9 ft (1.8 m)

Technical Specifications

Power	Input Power	Auto-Ranging, 100 to 240 VAC; internal power supply, 50 Hz/60 Hz		
	Typical Power Consumption	118 watts		
	Maximum Power Saving	< 176 watts		
		< 2 watts		
	Power Cable Length	5.9 ft (1.8 m)		
Mechanical	Dimensions (H x W x D)	Unpacked	19.3 to 23.2 x 27.2 x 9.5in (49.0 to 59.0 x 69.2 x 24.0 cm)	
		Unpacked w/o stand (head only)	17.9 x 27.2 x 3.3 in (45.5 x 69.2 x 8.4 cm)	
		Packaged	22.4 x 31.1 x 14.9 in (56.8 x 79.0 x 37.8 cm)	
	Weight	Unpacked	30.6 lbs (13.9 kg)	
		Head only	21.8 lbs (9.9 kg)	
	Tilt Range	-5° to + 30° vertical		
	Swivel Range	-45° to + 45°		
	Height Adjustable	Yes, range 5.1 in (100 mm)		
	Pivot Rotation	No		
	Base	Detachable, ships detached		
Environmental	Temperature – Operating	46° to 95° F (10° to 35° C)		
	Temperature – Non-operating	6° to 140° F (-10° to 60° C)		
	Humidity – Operating	20% to 80% non-condensing		
	Humidity – Non-operating	5% to 85%		
	Altitude – Operating	+12,000 ft (3657.6 m)		
	Altitude – Non-operating	+40,000 ft (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"> • US Energy Star • US Federal Energy Management Program (FEMP) • TCO 99 		
	Energy Consumption (in accordance with US 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	102.8 watts	101.7 watts	100.4 watts
	Sleep*	2 watts	2 watts	2 watts
	Off	0.05 watts	0.06 watts	0.25 watts
	Heat Dissipation**	100 VAC, 50 Hz	115 VAC, 60 Hz	230 VAC, 50 Hz
	Normal Operation	350.548 BTU/hr	346.8 BTU/hr	342.4 BTU/hr

Technical Specifications

Sleep	6.82 BTU/hr	6.82 BTU/hr	6.82 BTU/hr
Off	0.17 BTU/hr	0.2 BTU/hr	0.85 BTU/hr

NOTE:

*This sleep status ignore the input sync signal check cycle when metering the model in sleep mode.

**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
Ergonomics	The monitor meets the ergonomic requirement of EN-ISO 13406-2 for flat panel displays.
Additional Information	<p>This product is in compliance with the Restrictions of Hazardous Substances (RoHS) Directive, 2002/95/EC.</p> <p>This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive, 2002/96/EC.</p> <p>Plastics parts weighing over 25 grams used in the product are marked per ISO 11469 and ISO1043.</p> <p>Display meets the requirement for low frequency electromagnetic fields per MPR-II, TCO, and prEN50279 A/B/C.</p> <p>This product contains 100% recycled materials (by wt.)</p> <p>This product is 100% recyclable when properly disposed of at end of life.</p> <p>Packaging Materials</p> <ul style="list-style-type: none">• Corrugated – 2.19 kg• Plastic (other) – 0.09 kg• Polystyrene – 1.07 kg
Material Usage	<p>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 http://www.hp.com/hpinfo/globalcitizenship/environment/supplychain/gen_specifications.html):</p> <ul style="list-style-type: none">• 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)

Technical Specifications

	<ul style="list-style-type: none">• 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	<p>HP follows these guidelines to decrease the environmental impact of product packaging:</p> <ul style="list-style-type: none">• 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.• 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	<p>Hewlett-Packard offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: http://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.</p>
Hewlett-Packard Corporate Environmental Information	<p>For more information about HP's commitment to the environment: Global Citizenship Report http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html Eco-label certifications http://www.hp.com/hpinfo/globalcitizenship/environment/productdesign/ecolabels.html ISO 14001 certificates: http://www.hp.com/hpinfo/globalcitizenship/environment/operations/envmanagement.html</p>
Options	<p>HP Flat Panel 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 an external jack for headphones. Sold separately. For more information, refer to the HP Flat Panel Speaker Bar QuickSpec.</p>

Technical Specifications

Other	Accessories Included	Two dual link DVI-D to DVI-D cables - connects the graphic card's DVI-D digital connector to the monitor's input (DVI-D digital) connectors; power cord
	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, 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)
	Kensington Lock-Ready	Yes

Certification and Compliance Australian ACA Approval, Canadian Requirements/CSA, CE Marking, China CCIB/CCEE Approval, CISPR Requirements, Eastern European Approvals, Energy Star Compliant, FCC Approval, German Ergonomic (TUV and GS Mark), ISO 9241-3,7,8 VDT Guidelines, ISO 13406-2 Pixel Defect Guidelines, Mexican NOM Approval, MIC Requirements (New Zealand), MPR-II Compliant, Nordic Approvals (Nemko, Fimko, Demko, Semko), S. Korean MIC Approval, Taiwan BSMI Approval, TCO 99 (emissions, ergonomics, environment), TUV-Ergo, UL Listed, VCCI Approvals.

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. 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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