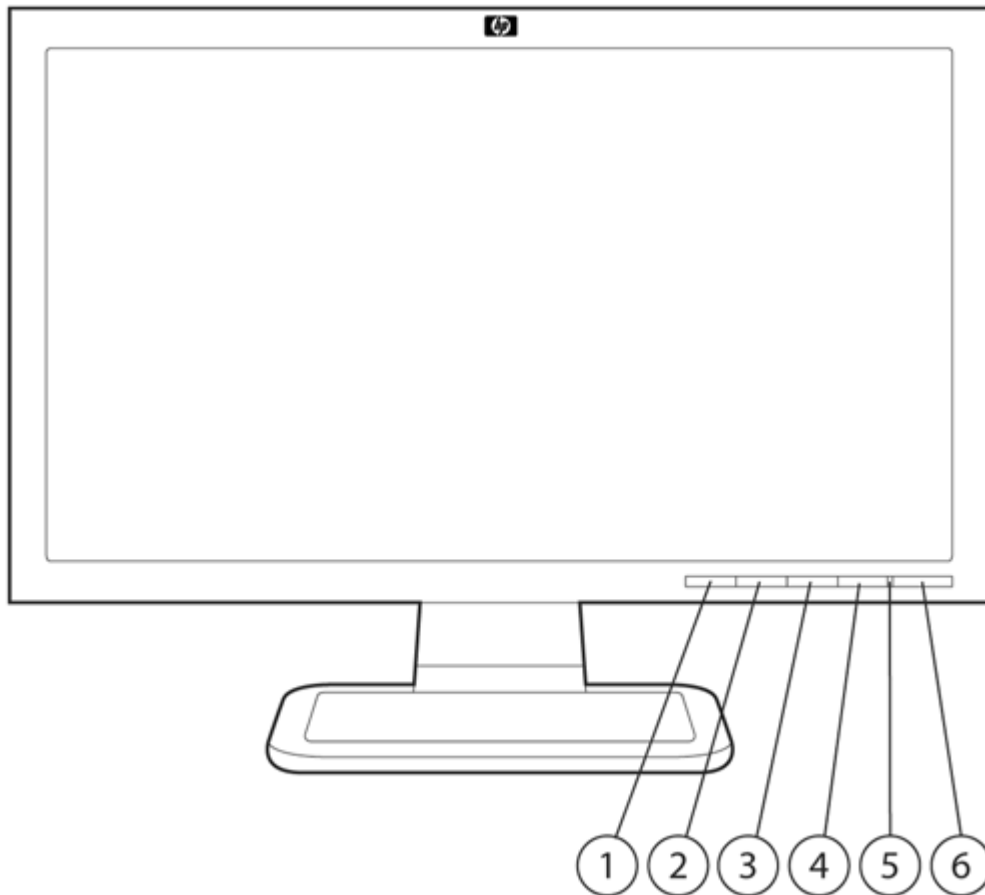# QuickSpecs

Overview

1. **Menu/select**: Opens, selects or exits the OSD menu.

2. **"-"**: If the OSD menu is on, press to navigate backward through the OSD menu and decrease adjustment levels.

3. **"+"**: If the OSD menu is on, press to navigate forward through the OSD menu and increase adjustment levels.

4. **OK/Auto**: If the OSD menu is on, press to select the highlighted menu item. If the OSD menu is inactive, press to activate the auto adjustment feature to optimize the screen image.

5. **Power LED**: fully powered = green; sleep mode = amber; sleep timer mode = flashing amber.

6. **Power**: Turns the monitor on or off.

Part number
LG142AA

Technical Specifications

Panel	**Type**	18.5-inch diagonal widescreen Thin-Film Transistor LCD active matrix (16:9 aspect ratio)
	Viewable Image Area (diagonal)	18.5 inches (47 cm) widescreen
	Screen Opening (W x H)	16.1 x 9.05 in (40.9 x 23 cm)
	Panel Type	TN
	Aspect Ratio	16:9
	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	0.3 mm
	Backlight Lamp Life (to half brightness)	40,000 hours
	Color Gamut	72%
	Color Depth	Can display up to 16 million colors with the use of FRC technology.
	*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**	OSD Menu, OSD Minus (-), OSD Plus (+), auto adjust/OK, power
	Languages	English, Spanish, French, German, Dutch, Italian, Japanese, Simplified Chinese, Traditional Chinese, Portuguese
	User Controls	Brightness, Contrast Brightness, Contrast, Positioning, Color temperature (6500k, 9300k, sRGB, Custom), Image Control (Clock, Clock Phase, Position, Custom Scaling), OSD Control, Management, Language, Information, Factory Reset
Signal Interface/ Performance	**Horizontal Frequency**	24 to 83 kHz
	Vertical Frequency	48 to 76 Hz
	Native Resolution	1366 x 768 @ 60 Hz
		1280 x 720 @ 60 Hz
		1024 x 768 @ 60 Hz, 70 Hz, and 75 Hz
		1280 x 960 @ 70 Hz
		800 x 600 @ 60 Hz, 72 Hz, and 75 Hz
		720 x 400 @ 70 Hz
		640 x 480 @ 60 Hz, 72 Hz, and 75 Hz
	Text Mode	720 x 400 @ 70 Hz
	Mac Mode	1152 x 864 @ 75 Hz and 832 x 624 @ 75 Hz
	Maximum Pixel Clock Speed	140 MHz
	User Programmable Modes	10
	Anti-Glare	Yes
	Anti-Static	Yes

Technical Specifications

	Default Color Temperature	6500 K	
Video/Other Inputs	Plug and Play	Yes	
	Input Signal	VGA, VGA cable included	
	Input Impedance	75 ohms ± 2%	
	Sync Input	TTL separate synch or Composite Synch	
	VGA Cable	15 pin D-sub VGA	
	VGA Cable Length	30 cm	
	DC cable	30 cm	
Power	Input Power	Auto-Sensing, 100 to 240 VAC	
	Power passed through	DC 5V; 2A	
	Frequency	47 Hz to 63 Hz	
	Typical Power Consumption	22 watts	
	Maximum	37 watts	
	Power Saving	< 1 watt sleep	
	Power Cable Length	5.9 ft (1.8 m)	
Mechanical	Dimensions (H x W x D)	Unpacked w/stand	13.4 x 17.6 x 7.5 in (34.1 x 44.6 x 19.0 cm)
		Unpacked w/o stand (head only)	10.6 x 17.6 x 2.3 in (26.9 x 44.6 x 5.8cm)
		Packaged	16.5 x20.2 x 5.5 in (42.0 x 51.2 x 14.0 cm)
	Weight	Unpacked	8.3 lb (3.8 kg)
		Packaged	11.2 lb (5.1 kg)
	Tilt Range	-5° to + 25° vertical	
	Swivel Range	None	
	Height Adjustable	No	
	Pivot Rotation	No	
	Base	Detachable, ships detached	
Environmental	Temperature - Operating	41° to 95° F (5° to 35° C)	
	Temperature - Non-operating	-29 to 140° F (-20° to 60° C)	
	Humidity - Operating	20% to 80% non-condensing	
	Humidity - Non-operating	5% to 95%	
	Altitude - Operating	0 to 16,404 ft (5000 m)	
	Altitude - Non-operating	0 to 40000 ft (12192 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:	

- ENERGY STAR®
- IT ECO declaration
- EPEAT® Silver where HP registers commercial display products. See www.epeat.net for registration status in your country.

Technical Specifications

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	15.1W	15.1W	15.3W
Sleep	0.7W	0.7W	0.7W
Off	0.5W	0.5W	0.5W

Heat Dissipation*	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	70 BTU/hr	52 BTU/hr	52 BTU/hr
Sleep	2 BTU/hr	2 BTU/hr	2 BTU/hr
Off	2 BTU/hr	2 BTU/hr	2 BTU/hr

* Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.

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).

This product is in compliance with the IEEE 1680 (EPEAT) standard at the Silver level, see www.epeat.net.

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 98.87% recyclable when properly disposed of at end of life.

Packaging Materials

- External
    - Corrugated carton 663 g
- Internal:
    - Polyethylene low density 20 g

RoHS Compliance	Hewlett-Packard is committed to compliance with all applicable environmental laws and regulations, including the European Union Restriction of Hazardous Substances (RoHS) Directive. HP's goal is to exceed compliance obligations by meeting the requirements of the RoHS Directive on a worldwide basis. By July 1, 2006, RoHS substances will be virtually

Technical Specifications

eliminated (virtually = to levels below legal limits) for all HP electronic products subject to the RoHS Directive, except where it is widely recognized that there is no technically feasible alternative (as indicated by an exemption under the EU RoHS Directive).

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.
- 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:

Technical Specifications

<table>
<tr>
<td></td>
<td></td>
<td>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.

The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: http://www.hp.com/go/recyclers. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.</td>
</tr>
<tr>
<td></td>
<td>Hewlett-Packard Corporate Environmental Information</td>
<td>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/environmentproductdesign/ecolabels.html
ISO 14001 certificates:
www.hp.com/hpinfo/globalcitizenship/environment/operations/envmanagement.html</td>
</tr>
<tr>
<td>Options (sold separately)</td>
<td>HP LCD Speaker Bar-Part number NQ576AA</td>
<td>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 flat panel monitors. Features include dual speakers with full sound range and dual external headphone jacks.</td>
</tr>
<tr>
<td></td>
<td>HP LCD Monitor Quick Release-Part number EM870AA[1]</td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>HP Integrated Work Center Stand-Part number GN783AA</td>
<td>Allows mounting of a 17 - 23 inch diagonal HP LCD monitor and an HP Compaq dc8000 series Ultra-slim Desktop PC as well as select HP Thin Clients on a single stand for the convenience of an "all-in-one" form factor.</td>
</tr>
<tr>
<td></td>
<td>HP USB Graphics Adapter-Part number NL571AA</td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>HP Business PC Security Lock Kit-Part number PV606AA</td>
<td>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.</td>
</tr>
<tr>
<td>Other</td>
<td>Accessories Included</td>
<td>VGA cable, Power cord, Audio cable</td>
</tr>
<tr>
<td></td>
<td>User Guide Languages</td>
<td>English, Spanish, T-Chinese, S-Chinese, Korean, Japanese, Spanish, Portuguese</td>
</tr>
<tr>
<td></td>
<td>Color</td>
<td>Black</td>
</tr>
<tr>
<td></td>
<td>VESA External Mounting</td>
<td>Yes, standard 4 hole pattern, 100 mm</td>
</tr>
<tr>
<td>Certification and Compliance</td>
<td colspan="2">TCO 5.0 Displays, 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), EPEAT® Silver[3]</td>
</tr>
</table>

Technical Specifications

Compatibility	Compatible with platforms using the VESA standard video modes. Recommended for use with HP products.
Service and Warranty	Protected by HP, including a 3 years parts, 3 years labor, and 3 years onsite service (3/3/3) standard limited warranty. Certain restrictions and exclusions apply.[2]

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[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.
[2] HP Care Pack Services extend service contracts beyond the standard warranties. Service levels and response times for HP Care Packs may vary depending on your geographic location. 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: http://www.hp.com/go/lookuptool. Additional HP Care Pack Services information by product is available at: http://www.hp.com/hps/carepack.
[3] EPEAT® Silver where HP registers commercial display products. See www.epeat.net for registration status in your country.

All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.