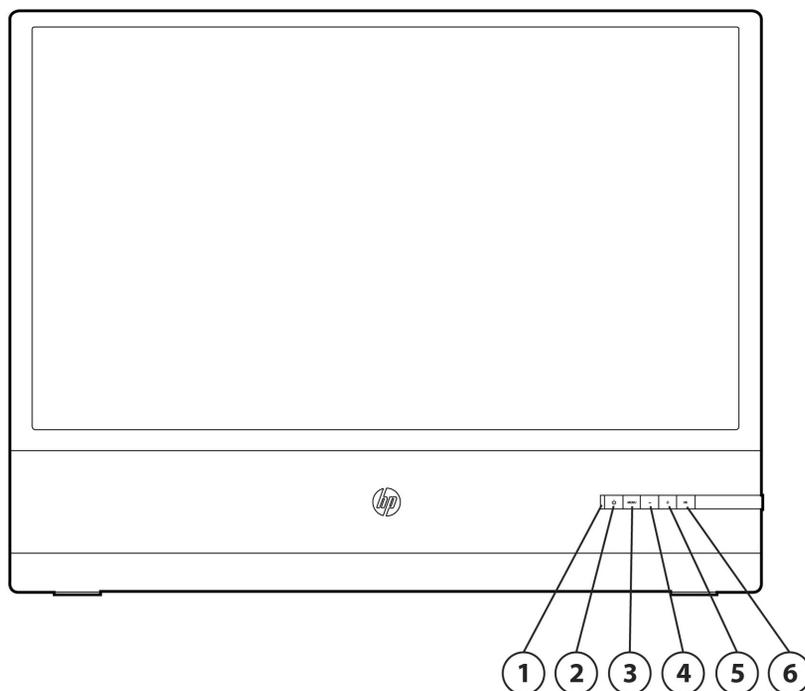


Overview



1. Power LED

Blue = Fully powered

Amber = Sleep mode

Off = Off mode

2. Power button turns the monitor on or off

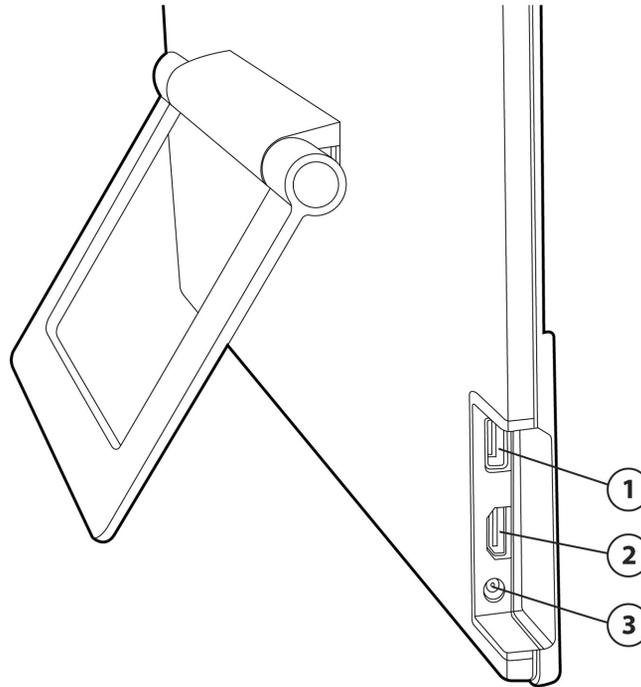
3. Menu button

4. Minus "-" button decreases brightness adjustment level

5. Plus "+" button increases brightness adjustment level

6. Ok button

Overview



1. **DisplayPort** connector
2. **HDMI** connector

3. **Power** connector

Model: B6R21AA

Technical Specifications

Panel	Type	MVA (Multi-Domain Vertical Alignment)
	Viewable Image Area	60.96 cm (24") widescreen; diagonally measured
	Screen Opening (W x H)	531.36 x 298.89 mm
	Aspect Ratio	16:9
	Viewing Angle (typical)	Up to 178° horizontal/178° vertical
	Brightness (typical)*	250 nits (cd/m ²)
	Contrast Ratio (typical)*	5000:1
	Dynamic Contrast Ratio (typical)*	1,000,000:1
	Response Time (typical)*	12 ms (on/off)
	Pixel Pitch	0.27675* 0.27675 mm
	Backlight Lamp Life * (to half brightness)	30,000 hours
	Color Gamut (typical)*	72% color gamut (NTSC)
	Color Support **	Can display up to 16.7 million colors (RGB 8-bit)
<p>*All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. ** With the use of FRC technology.</p>		
On Screen Display (OSD) Controls	Buttons or Switches	5 buttons (Power, Menu, Minus, Plus, Ok)
	Languages	Dutch, English, French, German, Italian, Japanese, Portuguese, Spanish, Simplified Chinese, Traditional Chinese
	User Controls	Brightness, contrast, image control, osd control, source control, monitor management, language, information, factory reset
Signal Interface/ Performance	Horizontal Frequency	24 to 94 kHz
	Vertical Frequency	50 to 76 Hz
	Native Resolution	1920 x 1080 @ 60 Hz
	Preset VESA Graphic Modes (non-interlaced)	1920 x 1080 @ 60 Hz
		1680 x 1050 @ 60 Hz
		1600 x 1200 @ 60 Hz
		1600 x 1000 @ 60 Hz
		1600 x 900 @ 60 Hz
		1366 x 768 @ 60 Hz
		1280 x 1024 @ 60 Hz
		1280 x 960 @ 60 Hz
	1280 x 800 @ 60 Hz	
	1280 x 768 @ 60 Hz	
	1280 x 720 @ 60 Hz	
	1024 x 768 @ 60 Hz	
	800 x 600 @ 60 Hz	
	720 x 400 @ 60 Hz	

Technical Specifications

		640 x 480 @ 72 Hz	
		640 x 480 @ 60 Hz	
	Text Mode	720 x 400 @ 70 Hz	
	Maximum Pixel Clock Speed	170 MHz	
	User Programmable Modes	Yes (16)	
	Anti-Glare	Yes	
	Default Color Temperature	6500 K	
Video/Other Inputs	Plug and Play	Yes	
	Input Connectors	HDMI; DisplayPort 1.1 (HDCP supported on HDMI and DisplayPort 1.1.)	
	Input Impedance	100+/-5 Ohms	
	Sync Input	TTL separate synch	
	Video Cable	One HDMI; one Display Port 1.1 (DisplayPort cable is optional)	
	Video Cable Lengths	1.8 m (5.91 ft.)	
	USB Cable	No	
	USB Cable Length	N/A	
Power	Power Supply	100-240VAC 36W external power adapter; 12VDC monitor input	
	Input Power	100 – 240 VAC, 50/60 Hz	
	Typical Power Consumption	23 W	
	Maximum	28 W	
	Power Saving	< 0.5 W	
	Power Cable Length	1.9 m (6.23 ft.)	
Mechanical	Dimensions (W x D x H)	Unpacked w/stand	566.9 x 130.9 x 431.3 mm (22.32 x 5.15 x 16.98 in.)
		Unpacked w/o stand (head only)	566.9 x 29.6 x 436.2 mm (22.32 x 1.16 x 17.17 in.)
		Packaged	642.0 x 116.0 x 519.0 mm (25.28 x 4.57 x 20.43 in.)
	Weight	Head Only	4.3 kg (9.5 lb.)
		Unpacked	4.6 kg (10.1 lb.)
		Packaged	7.1 kg (15.7 lb.)
	Thickness	11 mm (0.43 in)	
	Tilt Range	+10° to +35°	
	Swivel Range	No	
	Height Adjustable	No	
	Pivot Rotation	No	
	Base	Detachable, ships attached	

Technical Specifications

Environmental	Temperature – Operating	5° to 35° C (41° to 95° F)		
	Temperature – Non-operating	-20° to 60° C (-4° to 140° F)		
	Humidity – Operating	20% to 80% non-condensing		
	Humidity – Non-operating	5% to 95%, 38.7° C max wet-bulb		
	Altitude – Operating	+0 to 5,000 m (16,404 ft)		
	Altitude – Non-operating	0 to 12,192 m (0 to 40,000 ft)		
	White LED Backlights	Yes		
	Arsenic-Free Display Glass	Yes		
	Low Halogen4	Yes, except external cables and adaptors		
Mercury-Free Display Backlighting	Yes			
Environmental Data	Eco-Label Certifications & declarations	<p>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:</p> <ul style="list-style-type: none"> ● US ENERGY STAR® ● IT ECO declaration ● TCO 05 ● EPEAT® Silver where HP registers commercial display products. See http://www.epeat.net for registration status in your country. 		
	Energy Consumption (in accordance with US Energy Star test method)	115VAC, 60Hz	230VAC, 50Hz	100VAC, 60Hz
	Normal Operation	17.59 W	17.75 W	17.65 W
	Sleep	0.33 W	0.4 W	0.32 W
	Off	0.26 W	0.33 W	0.26 W
	Heat Dissipation*	115VAC, 60Hz	230VAC, 50Hz	100VAC, 60Hz
	Normal Operation	60 BTU/hr	61 BTU/hr	60 BTU/hr
	Sleep	1 BTU/hr	1 BTU/hr	1 BTU/hr
	Off	1 BTU/hr	1 BTU/hr	1 BTU/hr
	*NOTE:	Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.		
	Additional Information	<ul style="list-style-type: none"> ● 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. 		

Technical Specifications

- This product contains 0% post-consumer recycled plastic (by wt.)
- This product is 99.4% recycle-able when properly disposed of at end of life.

Packaging Materials

External:	PAPER/Paper	703 g
Internal:	PLASTIC/Polyethylene high density	22 g
	PLASTIC/EPE-Expanded Polyethylene	375 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 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 http://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.

Technical Specifications

- 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.

Packaging 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: <http://www.hp.com/go/reuse-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.

Hewlett-Packard Corporate Environmental Information

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>

Technical Specifications

Options	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 Integrated Work Center Stand - USDT and Thin Clients)—Part number LH526AA	Allows mounting of a 17 - 24 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. For more information, refer to this product's QuickSpecs document.
	HP Single Monitor Arm—Part number BT861AA	The flexible design of the HP Single Monitor Arm provides a seemingly endless range of display adjustments with an amazing 13 inches of lift, 50 degrees of tilt, and 360 degrees of pan and rotation - all at your fingertips -- helping you stay comfortable and productive throughout the day.
	HP Adjustable Dual Display Stand—Part Number AW664AA	Premium space-saving dual screen solution provides access to more monitor real estate and makes it possible to manage multiple applications simultaneously. Weight adjustable for dual monitors from 17-24". Rotate displays into portrait/landscape positions.
What's in the box?	Monitor and accessories	HP L2401x 24-inch LED Backlit LCD Monitor; VESA 100 mm hole pattern plate; AC Power cable, external power supply; DisplayPort cable, HDMI cable; CD; Warranty declaration
	Documentation	Printed documentation and CD
Other	Featured Software	Display Assistant
	User Guide Languages	English, French, Spanish, Brazilian Portuguese
	Warranty Languages	English, French, Spanish, Brazilian Portuguese
	Software	Display Assistant
	Color	Black front bezel with rear brushed steel case
	VESA External Mounting	Yes, plate with standard 100 mm, 4-hole pattern included
	Security Lock-Ready	No
Certification and Compliance	ENERGY STAR®, EPEAT® Silver ³ , CB, CE, TUV, ISO 9241-307, TCO 5.2/6.0, FCC, CSA, ICES, S mark, VCCI, C-Tick, CCC, BSMI, CEL 1, CECP, SEPA, SmartWay Transport Partnership	
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 year standard limited warranty. Optional Care Pack Services are extended service contracts which go beyond your standard warranties. ²	

Technical Specifications

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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.

4 Meets the evolving definition of Low Halogen' as set forth in the "iNEMI Position Statement on the 'Definition of Low-Halogen' Electronics (BFR/CFR/PVC-Free)". Plastic parts contain < 1000 ppm (0.1%) of bromine [if the Br source is from BFRs] and < 1000 ppm (0.1%) of chlorine [if the Cl source is from CFRs or PVC or PVC copolymers]. All printed circuit board (PCB) and substrate laminates contain bromine/chlorine total < 1500 ppm (.15%) with a maximum chlorine of 900 ppm (.09%) and maximum bromine being 900 ppm (.09%). External cables (power, video and USB) are not Low Halogen. Service parts after purchase may not be Low Halogen.

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.