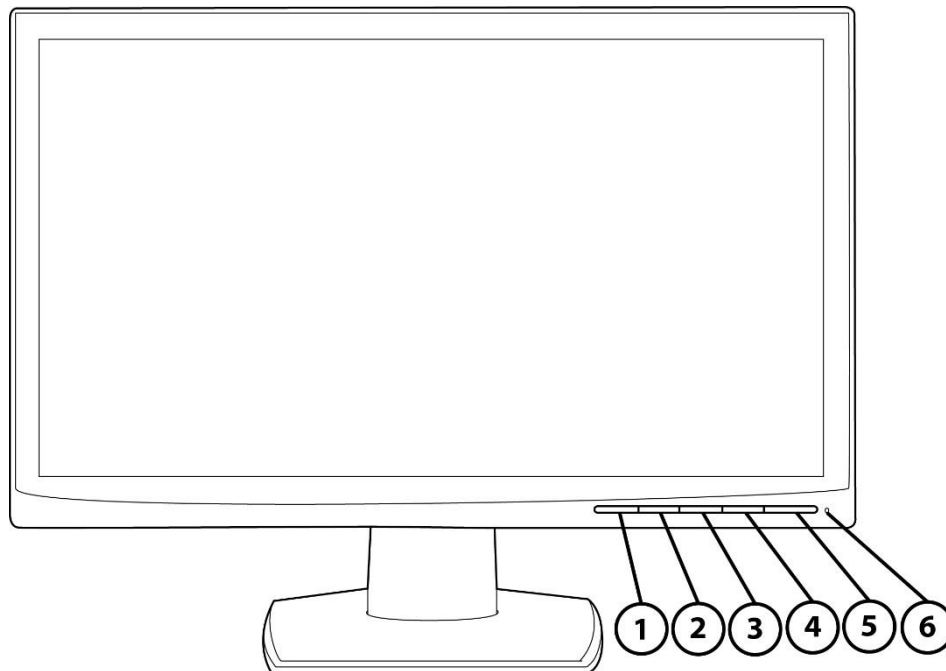


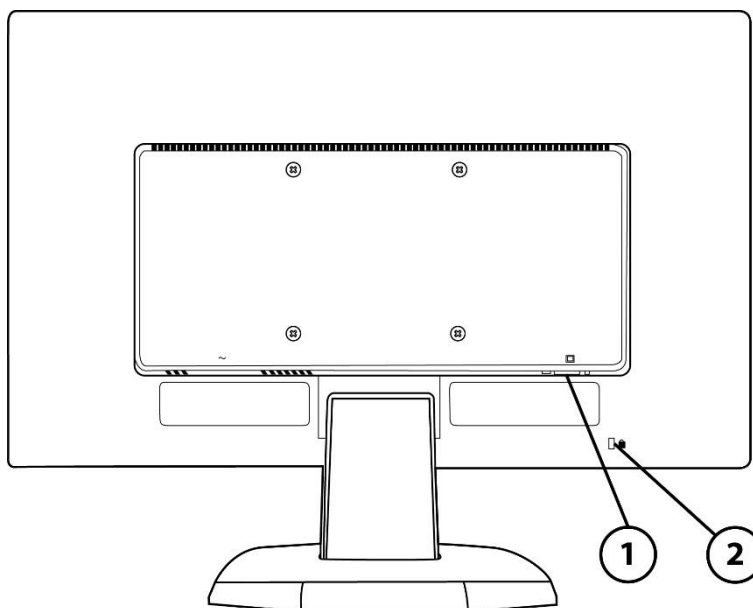
### Overview

#### HP V202 19.5-inch Monitor



- 1. Menu button
- 2. Minus ("-")
- 3. Plus ("+")

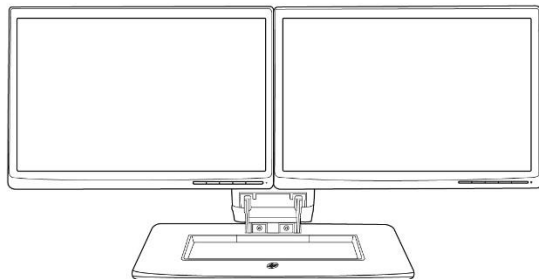
- 4. OK
- 5. Power button
- 6. Power indicator LED



- 1. VGA input

- 2. Security lock slot

### Overview



HP V202 and HP Adjustable Dual Display Stand dual monitor configuration shown. (Note: monitors and stands sold separately)

Your ideal office configuration begins with two HP V202 monitors combined with an HP Adjustable Dual Display Stand (AW664AA) for a small footprint, high productivity work solution.\*

\*NOTE: Multi-monitor support is dependent on your system. Check your user guide or technical specifications for compatibility. Optional accessories may be required.

### Overview

Get quality presentation features at a price point that doesn't break the bank with the HP V202 19.5-inch Monitor, a sleek, thin-profile monitor in a compact, space-saving screen size with an unbelievably low price point.

### Key features:

- Enjoy quality front-of-screen performance for all of your daily tasks.
- Make a good impression and leave plenty of room with a design that complements HP PCs and has a small footprint.
- Reduce power consumption and help lower your costs with an energy-efficient design.
- Attach your HP 260 Desktop Mini PC directly behind the display.<sup>1</sup>
- Find your best display position with customizable tilt settings.
- Mount the display on a wall or swing arm with the HP Quick Release.<sup>4</sup>
- Rest assured that your IT investment is supported by a three-year standard limited warranty.

1 Requires HP Quick Release, sold separately. See product QuickSpecs for exact PC and thin client compatibility.

2 Each accessory sold separately. Mounting hardware sold separately.

### Technical Specifications

**Models:** PQQ48AA - HP V202 19.5-inch Monitor

<b>Panel</b>	<b>Type</b>	19.45-inch TN w/LED backlight
	<b>Viewable Image Area (diagonal)</b>	<b>49,4 cm</b> (19.45-inch) widescreen; diagonally measured
	<b>Panel Active Area (W x H)</b>	<b>43,2 x 23,97 cm</b> (17 x 9.43 in)
	<b>Resolution</b>	1600 x 900 @ 60 Hz*
		*The video card of the connected PC must be capable of supporting 1600 x 900 at 60 Hz.
	<b>Aspect Ratio</b>	16:9
	<b>Viewing Angle</b>	Up to 90° horizontal/50° vertical typical
	<b>Brightness</b>	200 cd/m <sup>2</sup>
	<b>Contrast Ratio (Typical)</b>	600:1 Static; 5,000,000:1 Dynamic (DCR)
	<b>Response Times*</b>	5 ms typical on/off
	<b>Pixel Pitch</b>	.27 mm
	<b>Pixels Per Inch (PPI)</b>	94.1 DPI
	<b>Pixel Clock</b>	170 MHz
	<b>Backlight Lamp Life (to half brightness)</b>	30,000 hours minimum
	<b>Color Support</b>	Up to 16.7 million colors with the use of FRC technology
	<b>Color Gamut (Typical)</b>	72%
		* Performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
<b>User Controls</b>	<b>Buttons or Switches</b>	Menu, Minus ("-"), Plus ("+"), OK, Power
	<b>Languages</b>	10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
	<b>On Screen Display (OSD) User Controls</b>	Brightness, Contrast, Color Control, Image Control, Power Control, Menu Control, Management, Language, Information
<b>Signal Interface/ Performance</b>	<b>Horizontal Frequency</b>	30-70 kHz
	<b>Vertical Frequency</b>	50-60 Hz
	<b>Native Resolution</b>	1600 x 900 @ 60 Hz
	<b>Preset Graphic Modes (non-interlaced)</b>	640 x 480 @ 60Hz
		800 x 600 @ 60 Hz
		1024 x 768 @ 60 Hz
1280 x 720 @ 60 Hz		
1280 x 800 @ 60 Hz		
	1280 x 1024 @ 60 Hz	
	1440 x 900 @ 60 Hz	
	1600 x 900 @ 60 Hz	

### Technical Specifications

	<b>Anti-Glare</b>	Yes		
<b>Video/Other Inputs</b>	<b>Plug and Play</b>	Yes		
	<b>Input Connectors</b>	(1) VGA		
	<b>USB</b>	N/A		
	<b>Video Cables Included</b>	VGA cable <b>1,5 m</b> (4.9 ft)		
<b>Multimedia</b>	<b>Speakers</b>	N/A		
<b>Power</b>	<b>Power Supply</b>	Internal		
	<b>Input Power</b>	100 - 240 VAC 50/60 Hz		
	<b>Maximum Power</b>	20 W		
	<b>Typical Power</b>	16 W		
	<b>Sleep Power</b>	0.5 W		
	<b>Power Cable Length</b>	<b>1,5 m</b> (4.9 ft)		
<b>Mechanical</b>	<b>Dimensions</b> (W × D × H)	<b>Unpacked with stand</b>	<b>46,8 x 19 x 35,69 cm</b> (18.4 x 7.48 x 14.04 in)	
		<b>Unpacked without/stand (head only)</b>	<b>46,8 x 4,69 x 34,9 cm</b> (18.4 x 1.85 x 13.74 in)	
		<b>Packaged</b>	<b>53,8 x 12,5 x 42 cm</b> (21.18 x 4.92 x 16.54 in)	
	<b>Weight</b>	<b>Head Only</b>	<b>2,593 kg</b> (5.7 lb)	
		<b>Unpacked with stand</b>	<b>2,8 kg</b> (6.17 lb)	
		<b>Packaged</b>	<b>4,2 kg</b> (9.24 lb)	
	<b>Ergonomic Features</b> - Not available on head only model	<b>Detachable Stand</b>	Yes, ships detached	
		<b>Height Adjustment</b>	N/A	
		<b>Tilt Range</b>	-5° to + 15° vertical	
<b>Swivel</b>		N/A		
<b>Pivot</b>		N/A		
<b>Environmental</b>		<b>Temperature - Operating</b>	<b>0° to 50° C</b> (32° to 122° F)	
	<b>Temperature - Non-operating</b>	<b>-20° to 60° C</b> (-4° to 140° F)		
	<b>Humidity - Operating</b>	20% to 90% non-condensing		
	<b>Humidity - Non-operating</b>	10% to 90%		
	<b>Altitude - Operating</b>	<b>0 to 5,000 m</b> (0 to 16,404 ft)		
	<b>Altitude - Non-operating</b>	<b>0 to 12,192 m</b> (0 to 40,000 ft)		
	<b>White LED Backlights</b>	Yes		
	<b>CCFL Panel</b>	No		

### Technical Specifications

<b>Environmental Data</b>	<b>Arsenic-Free Display Glass</b>	Yes
	<b>Low Halogen<sup>1</sup></b>	Yes (except cables)
	<b>Mercury-Free Display Backlighting</b>	Yes
	<b>Eco-Label Certifications &amp; declarations</b>	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"> <li>• IT ECO declaration</li> <li>• US ENERGY STAR®</li> <li>• EPEAT® &lt;Silver&gt; registered in the United States. See <a href="http://www.epeat.net">http://www.epeat.net</a> for registration status in your country</li> </ul>

#### Energy Consumption (in accordance with US ENERGY STAR® test method)

	<b>115VAC, 60Hz</b>	<b>230VAC, 50Hz</b>	<b>100VAC, 60Hz</b>
Normal Operation	15.4 W	15.8 W	15.5 W
Sleep	0.26 W	0.33 W	0.24 W
Off	0.18 W	0.26 W	0.17 W

#### Heat Dissipation\*

	<b>115VAC, 60Hz</b>	<b>230VAC, 50Hz</b>	<b>100VAC, 60Hz</b>
Normal Operation	53 BTU/hr	54 BTU/hr	53 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

- 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](http://www.epeat.net)
- Plastics parts weighing over 25 grams used in the product are marked per ISO 11469 and ISO1043.
- This product contains 0 % post-consumer recycled plastic (by wt.)
- This product is 98.6 % recycle-able when properly disposed of at end of life.

#### Packaging Materials

<b>External:</b>	PAPER/Paper	470 g
<b>Internal:</b>	PLASTIC/EPS (Expanded Polystyrene)	257 g
	PLASTIC/EPE-Expanded Polyethylene	25.2 g
	PLASTIC/Other plastics unknown	3 g

### Technical Specifications

#### 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/pdf/gse.pdf>):

- 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.

### Technical Specifications

<b>End-of-life Management and Recycling</b>	<p>Hewlett-Packard offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: <a href="http://www.hp.com/go/reuse-recycle">http://www.hp.com/go/reuse-recycle</a> or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.</p> <p>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: <a href="http://www.hp.com/go/recyclers">http://www.hp.com/go/recyclers</a>. 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.</p>
<b>Hewlett-Packard Corporate Environmental Information</b>	<p>For more information about HP's commitment to the environment:</p> <p>Global Citizenship Report  <a href="http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html">http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html</a></p> <p>Eco-label certifications  <a href="http://www.hp.com/hpinfo/globalcitizenship/environment/productdesign/ecolabels.html">http://www.hp.com/hpinfo/globalcitizenship/environment/productdesign/ecolabels.html</a></p> <p>ISO 14001 certificates:  <a href="http://www.hp.com/hpinfo/globalcitizenship/environment/operations/envmanagement.html">http://www.hp.com/hpinfo/globalcitizenship/environment/operations/envmanagement.html</a></p>

<b>Options</b>	<p><b>HP Adjustable Dual Display Stand</b>—Part Number AW664AA</p>	<p>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.</p>
	<p><b>HP USB Graphics Adapter</b>—Part number NL571AA</p>	<p>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.</p>
	<p><b>HP LCD Monitor Quick Release</b> — Part number EM870AA<sup>4</sup></p>	<p>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.</p>
	<p><b>HP Business PC Security Lock Kit</b> — Part number PV606AA</p>	<p>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.</p>
<b>What's in the box?</b>	<b>Monitor and Accessories</b>	HP V202 19.5-inch Monitor, AC power cord <b>1,5 m</b> (4.9 ft), VGA cable <b>1,5 m</b> (4.9 ft)
<b>What's in the box?</b>	<b>Documentation</b>	CD (includes user guide, warranty, drivers)
	<b>Software</b>	N/A

### Technical Specifications

<b>Other</b>	<b>User Guide Languages</b>	English, S. Chinese, T. Chinese, French, Japanese, Korean, Brazilian Portuguese, Spanish, Bahasa Indo
	<b>Warranty Languages</b>	English, S. Chinese, T. Chinese, French, Japanese, Korean, Brazilian Portuguese, Spanish, Bahasa Indo
	<b>Color</b>	Black
	<b>VESA Mounting</b>	100 mm VESA mount
	<b>Security Lock-Ready</b>	Yes
	<b>Country of Origin</b>	China
<b>Certification and Compliance</b>		CEL Grade 1, Microsoft WHQL Certification (Windows 8.1 and Windows 7), ENERGY STAR® Qualified, EPEAT® Silver <sup>2</sup> , C CB, FCC, ICES, VCCI, C-Tick, ETL, CCC, BSMI, KCC/KC, E-standby, Vietnam MEPS, Australian-New Zealand MEPS, SEPA, WEEE
<b>Compatibility</b>		Compatible with platforms using the VESA standard video modes. Recommended for use with HP products.
<b>Service and Warranty</b>		Protected by HP, including a 3 year standard limited warranty. Optional HP Care Pack Services are extended service contracts that extend your protection beyond the standard warranties. <sup>3</sup>



### *Technical Specifications*

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ENERGY STAR is a registered trademark of the U.S. Environmental Protection Agency.

1. External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
2. EPEAT® registered where applicable. EPEAT registration varies by country. See [www.epeat.net](http://www.epeat.net) for registration status by country.
3. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit [www.hp.com/go/cpc](http://www.hp.com/go/cpc). HP services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.
4. 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.

