

### Technical Specifications

#### HP P204v 19.5-inch Monitor



#### Front

1. Power LED Indication

### Technical Specifications

#### HP P204v 19.5-inch Monitor



1. Power On/Off
2. Next Active Input/Exit
3. Plus /Viewing mode
4. Minus /Auto (VGA); information (DP)
5. Menu/ Select

#### Back

6. Power Connector
7. HDMI Connector
8. VGA Connector
9. HP Security Lock

### Technical Specifications

**Models:** 5RD66AA

<b>Panel Specifications</b>	<b>Display Size (Diagonal)</b>	19.5 in
	<b>Display Panel Type</b>	TN
	<b>Native Resolution*</b>	1600 x 900 @ 60 Hz
	<b>Aspect Ratio</b>	16:9
	<b>Brightness Typical</b>	200 cd/m <sup>2</sup>
	<b>Static Contrast Ratio - Typical</b>	600: 1
	<b>Dynamic Contrast Ratio (DCR)</b>	10M:1
	<b>Pixel Pitch</b>	0.27x 0.27mm
	<b>Pixels Per Inch (PPI)</b>	94.1
	<b>Backlight Lamp Life (to half brightness - in hours)</b>	40k minimum
	<b>Anti-Glare Panel</b>	Yes
	<b>BrightView Panel</b>	No
	<b>Response Time - Typical</b>	5ms
	<b>Color Gamut – Typical</b>	72%
	<b>Color Support</b>	Up to 16.7 million colors
	<b>Horizontal Viewing Angle (typical CR&gt;10)</b>	90
	<b>Vertical Viewing Angle (typical CR&gt;10)</b>	50
	<b>Panel Active Area (w x h)</b>	432.00(H) × 239.76(V)
	<b>Preset Graphic Modes/Supported Resolutions</b>	640 x 480 @ 60Hz
		720 x 400 @ 70 Hz
		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
		1366 x 768 @ 60 Hz
1440 x 900 @ 60 Hz		
1600 x 900 @ 60 Hz		
<b>Maximum Resolution</b>		1600 x 900@ 60 Hz
<b>Recommended Resolution</b>		1600 x 900@ 60 Hz
<b>Vertical Scan Range</b>		50 - 60 Hz
<b>Horizontal Scan Range</b>	30 - 70 KHz	
<b>Default Color Temperature</b>	Neutral (6500)	
<b>Maximum Pixel Clock Speed</b>	170 Mhz	

\*The video card of the connected PC must be capable of supporting 5120 x 2880 at 60 Hz and include 2 DisplayPort™ outputs to drive the monitor at the Preferred Mode

NOTE: Performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

<b>Monitor Specifications</b>	<b>Exterior Color of Monitor Bezel and Stand</b>	Black
	<b>Backlight Flicker Free</b>	Yes
	<b>Plug &amp; Play</b>	Yes
	<b>Tilt</b>	-5 to + 25 degrees
	<b>Security Lock Ready</b>	Yes

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	<b>Detachable Base</b>	Yes
	<b>Warranty</b>	3/3/0:MEX/TWN/ANZ/JPN/VIET/THAI 3/3/3:INDIA/PRC
<b>On Screen Display (OSD)</b>	<b>On Screen Display User Controls</b>	Brightness+, Color, Image, Input, Power, Menu, Management, Information, Exit
	<b>User Programmable Modes</b>	Yes, 10
	<b>Monitor Control Buttons or Switches</b>	Menu/Ok, Minus ("-")/auto (VGA)/information (HDMI&DP), Plus ("+")/viewing mode, Next input, Power
	<b>Languages</b>	10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
	<b>VESA Mounting</b>	Yes
<b>Connector Types</b>	<b>VGA</b>	Yes
	<b>DVI-D</b>	No
	<b>HDMI</b>	1, HDMI 1.4
	<b>MHL/HDMI</b>	No
	<b>HDCP support</b>	Yes (HDMI)
	<b>Audio</b>	No
	<b>USB</b>	No
	<b>Card Reader</b>	No
	<b>DisplayPort™ 1.2</b>	No
	<b>DisplayPort™ Daisy Chain (up to 4 displays)</b>	No
	<b>Video/audio cables included with lengths</b>	VGA 1.8m
<b>Power &amp; Operating Specs</b>	<b>Power Supply</b>	Internal
	<b>Power Source</b>	100 - 240 VAC 50/60 Hz
	<b>Power Consumption - Maximum</b>	16 w
	<b>Energy Saving/Standby Mode</b>	0.3 w
	<b>Power Consumption - Typical</b>	15 w
	<b>Power cable length</b>	1.83 m
<b>Energy Star Data</b>	<b>Operational Mode at 100 VAC</b>	11.46KWH
	<b>Operational Mode at 115 VAC</b>	11.35KWH
	<b>Operational Mode at 230 VAC</b>	11.46KWH
<b>EU Energy Efficiency Class (EC1062)</b>	<b>On-mode Power Consumption (EC 1062/2010)</b>	11.8W
	<b>Annual Power Consumption (EC 1062/2010)</b>	17.2kWh
	<b>Energy Efficiency Class (EC 1062/2010)</b>	A+
	<b>Visible Screen Size</b>	19.5" / 49.5 cm
<b>Operating Conditions</b>	<b>Operating Temperature - Celsius</b>	5° - 35°C
	<b>Operating Temperature - Fahrenheit</b>	41° - 95°F
	<b>Non-operating Temperature - Celsius</b>	-20°C to 60°C
	<b>Non-operating Temperature - Fahrenheit</b>	-4 to 140°F
	<b>Operating Humidity</b>	20% - 80% (non-condensing)
	<b>Non-operating Humidity</b>	5% - 95%
	<b>Operating Altitude</b>	0 - 5,000 m (16,400 ft.)
	<b>Non-operating Altitude</b>	0 - 12.192 m (40,000 ft.)
	<b>Mercury-free LED display backlights</b>	Yes, Mercury-free LED backlighting

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#### Environmental Features and Certifications

**Arsenic-Free Display Glass**  
**Low Halogen\*\***

Yes  
Yes

#### Agency Approvals and Certifications

WW application  
CE/CB/UL/cTUVus/FCC/ICES/CEC/SEPA/Energy Star/TCO/EPEAT2 Silver/S-mark/TUS-GS/EAC/UA TR/ErP/CCC/CEL/CECP/BSMI/TWN GREEN MARK/VCCI/PSE/KC/MSIP/eStandby/RCM/ Australian-New Zealand GEMS(MEPS)/Vietnam MEPS/BIS/ISC/Morroco CM/South Africa NRCS/ PVOC(Algeria/Gabon/Kenya/Kuwait/Nigeria/Tanzania/Uganda)Serbia CoC/TUV Low blue light Win 7, 8, 10

#### Microsoft WHQL Certification

**ENERGY STAR®**

Yes

**EPEAT® Registered**

EPEAT® 2.0 Silver

**China Energy Label**

CEL Grade 1

**TCO Certified Edge**

No

**TCO Certified**

Yes

**SmartWay Transport Partnership - NA only**

No

\*EPEAT® Silver registered in the U.S. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country. Search keyword generator on HP's 3rd party option store for solar generator accessories at <http://www.hp.com/go/options>.

\*\*External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.

#### Contains Recycled Plastics

**Contains Recycled Plastics in Back Cover**

0.35

**Contains Recycled Plastics in Back Base/Stand**

0.28

**Contains Recycled Plastics in Other Parts**

35% (Bezel)

**Recyclable Plastics**

All

**Recyclable Packaging (Box, packing materials)**

All

#### Unit Product/Package Specifications

**Product Dimensions**  
(Packed) (W x D x H)

	<u>Metric</u>	<u>Imperial</u>
<b>Product Dimensions</b> (Packed) (W x D x H)	54.3 x 13.6 x 34.9 cm	21.38 x 5.43 x 13.74 in
<b>Product Dimensions</b> (Unpacked with stand)	46.26x19.00x35.36 cm	18.21x7.48x13.92 in
<b>Display Head Dimensions</b> (Unpacked) (W x D x H)	46.26x4.87x27.87 cm	18.21x1.92x10.97 in
<b>Base Area Footprint</b> (w x d mm)	200x190 mm	7.87x7.48 in
<b>Bezel Measurements</b>	Top 16.22 mm Side 14.60 mm Bottom 21.32 mm	Top 0.64 inch, Side 0.57 inch, Bottom 0.84 inch
<b>Product Weight</b> (Unpacked with stand)	2.81 kg	6.19 lb
<b>Product Weight</b> (Packed)	3.86 kg	8.51 lb

**Product Dimensions**  
(Unpacked with stand)

**Display Head Dimensions**  
(Unpacked) (W x D x H)

**Base Area Footprint**  
(w x d mm)

#### Bezel Measurements

**Product Weight**  
(Unpacked with stand)

**Product Weight**  
(Packed)

### Technical Specifications

	<b>Product Weight</b> (Head Only)	2.23 kg	4.92 lb
<b>Pallet Information</b>	<b>Pallet Dimensions</b> (L x W x H)	Pallet A: 1234 x 1096 x 120 mm Pallet B: 1098 x 1096 x 120 mm	Pallet A: 48.58 x 43.15 x 4.7 in Pallet B: 43.23 x 43.15 x 4.7 in
	<b>Pallet Total Weight</b> (L x W x H)	Pallet A: 429.88 kg Pallet B: 382.56 kg	Pallet A: 947.72 lbs Pallet B: 843.40 lbs
	<b>Pallet Layers</b>	Pallet: 5 layers(GQ)/6 layers(HQ) Slipsheet: 6 layers(GQ)/7 layers(HQ)	
	<b>Pallet Product per Layer</b>	Pallet A: 18 units Pallet B: 16 units	
	<b>Total Products per Pallet</b>	Pallet A: 90 units(GQ)/108 units(HQ) Pallet B: 80 units(GQ)/96 units(HQ)	
<b>Software Included</b>	<b>Software included (please list)</b>	HP Display Assistant	
<b>Recommended Accessories*</b>	<b>Description</b>	<b>Part Number</b>	
	HP USB-C Universal Dock	1MK33AA	
	HP Recycled Series 15.6" Backpack	5KN28AA	
	HP Quick Release Bracket 2	6KD15AA	
	HP S101 Speaker Bar	5UU40AA	
	HP Hot Desk Stand	W2Z73AA	
	HP Dual Head Keyed Cable Lock 10 mm	T1A64AA	
	<i>*Sold separately and availability may vary by country</i>		
<b>What's in the box?</b>	AC power cord	(1.83m) 6.0 ft	
	VGA Cable	(1.8m) 5.9ft	
	<b>NOTE:</b> Included cables may vary by country.		
<b>User Guide and Warranty Languages</b>	<b>User Guide Languages</b>	English,S.Chinese,T.Chinese,Bahasa,Indonesia,Japanese,Korean,French,Spanish,B.Portuguese,Danish,Dutch,Russian,Slovak,Turkish,Arabic,Lithuanian,Romanian,Finnish,German,Hebrew,Italian,Norwegian,Swedish,Czech,Greek,Hungarian,Polish,Portuguese,Iberian,Kazakh,Slovenian,Ukrainian,Bulgarian,Latvian.	
	<b>Warranty Languages</b>	English, Arabic, S. Chinese, T. Chinese, Czech, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Kazakh, Korean, Norwegian, Polish, Brazilian Portuguese, Russian, Slovenian, Spanish, Swedish and Turkish.	

<b>Environmental Data</b>	<b>Eco-Label Certifications &amp; declarations</b>	<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"> <li>IT ECO declaration</li> <li>US ENERGY STAR®</li> <li>TCO 8.0</li> </ul>
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		<ul style="list-style-type: none"> <li>EPEAT® Silver registered in the United States. See <a href="http://www.epeat.net">http://www.epeat.net</a> for registration status in your country.</li> <li>US Federal Energy Management Program (FEMP)</li> </ul>		
<b>Energy Consumption (in accordance with US ENERGY STAR® test method)</b>		<b>115VAC, 60Hz</b>	<b>230VAC, 50Hz</b>	<b>100VAC, 50Hz</b>
Normal Operation		11.35 W	11.46 W	11.45 W
Sleep		0.13 W	0.15 W	0.12 W
Off		0.05 W	0.09 W	0.05 W
<b>Heat Dissipation*</b>		<b>115VAC, 60Hz</b>	<b>230VAC, 50Hz</b>	<b>100VAC, 50Hz</b>
Normal Operation		39 BTU/hr	39 BTU/hr	39 BTU/hr
Sleep		0 BTU/hr	1 BTU/hr	0 BTU/hr
Off		0 BTU/hr	0 BTU/hr	0 BTU/hr
	*NOTE: Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.			
<b>Additional Information</b>	<ul style="list-style-type: none"> <li>This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive - 2002/95/EC.</li> <li>This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive – 2002/96/EC.</li> <li>This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986).</li> <li>This product is in compliance with the IEEE 1680 (EPEAT) standard at the silver level, see <a href="http://www.epeat.net">www.epeat.net</a></li> <li>Plastics parts weighing over 25 grams used in the product are marked per ISO 11469 and ISO1043.</li> <li>This product contains 14.9% post-consumer recycled plastic (by wt.) according to IEEE 1680.1-2018 standard, criterion 4.2.1.1.</li> <li>This product is 98.7% recycle-able when properly disposed of at end of life.</li> </ul>			
<b>Packaging Materials</b>	<b>External:</b>	PAPER/Corrugated	442 g	
	<b>Internal:</b>	PLASTIC/EPS (Expanded Polystyrene)	292 g	
		PLASTIC/Polyethylene low density	10 g	
		PLASTIC/Polyethylene high density - HDPE	6 g	
<b>RoHS Compliance</b>	<p>HP Inc. complies fully with materials regulations. We were among the first companies to extend the restrictions in the European Union (EU) Restriction of Hazardous Substances (RoHS) Directive to our products worldwide through the HP GSE. HP has contributed to the development of related legislation in Europe, as well as China, India, and Vietnam.</p> <p>We believe the RoHS directive and similar laws play an important role in promoting industry-wide elimination of substances of concern. We have supported the inclusion of additional substances—including PVC, BFRs, and certain phthalates—in future RoHS legislation that pertains to electrical and electronics products.</p>			

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		<p>We met our voluntary objective to achieve worldwide compliance with the new EU RoHS requirements for virtually all relevant products by July 2013, and we will continue to extend the scope of the commitment to include further restricted substances as regulations continue to evolve.</p> <p>To obtain a copy of the HP RoHS Compliance Statement, see <a href="#">HP RoHS position statement</a>.</p>
	<p><b>Material Usage</b></p>	<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 <a href="http://www.hp.com/hpinfo/globalcitizenship/environment/supplychain/gen_specifications.html">http://www.hp.com/hpinfo/globalcitizenship/environment/supplychain/gen_specifications.html</a>):</p> <ul style="list-style-type: none"> <li>• Asbestos</li> <li>• Certain Azo Colorants</li> <li>• Certain Brominated Flame Retardants – may not be used as flame retardants in plastics</li> <li>• Cadmium</li> <li>• Chlorinated Hydrocarbons</li> <li>• Chlorinated Paraffins</li> <li>• Bis(2-Ethylhexyl) phthalate (DEHP)</li> <li>• Benzyl butyl phthalate (BBP)</li> <li>• Dibutyl phthalate (DBP)</li> <li>• Diisobutyl phthalate (DIBP)</li> <li>• Formaldehyde</li> <li>• Halogenated Diphenyl Methanes</li> <li>• Lead carbonates and sulfates</li> <li>• Lead and Lead compounds</li> <li>• Mercuric Oxide Batteries</li> <li>• Nickel – finishes must not be used on the external surface designed to be frequently handled or carried by the user.</li> <li>• Ozone Depleting Substances</li> <li>• Polybrominated Biphenyls (PBBs)</li> <li>• Polybrominated Biphenyl Ethers (PBBEs)</li> <li>• Polybrominated Biphenyl Oxides (PBBOs)</li> <li>• Polychlorinated Biphenyl (PCB)</li> <li>• Polychlorinated Terphenyls (PCT)</li> <li>• Polyvinyl Chloride (PVC) – except for wires and cables, and certain retail packaging has been voluntarily removed from most applications.</li> <li>• Radioactive Substances</li> <li>• Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)</li> </ul>



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	<b>Packaging</b>	<p>HP follows these guidelines to decrease the environmental impact of product packaging:</p> <ul style="list-style-type: none"> <li>• Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials.</li> <li>• Eliminate the use of ozone-depleting substances (ODS) in packaging materials.</li> <li>• Design packaging materials for ease of disassembly.</li> <li>• Maximize the use of post-consumer recycled content materials in packaging materials.</li> <li>• Use readily recyclable packaging materials such as paper and corrugated materials.</li> <li>• Reduce size and weight of packages to improve transportation fuel efficiency.</li> <li>• Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.</li> </ul>
	<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>HP, Inc. 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://h20195.www2.hp.com/V2/GetDocument.aspx?docname=c04755842">http://h20195.www2.hp.com/V2/GetDocument.aspx?docname=c04755842</a>          and  <a href="http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/cert.pdf">http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/cert.pdf</a></p>

## *Technical Specifications*

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Summary

<b>Change Log</b>	
<b>V1 to V2</b>	<b>May 7, 2019</b>
	Added Environmental Section