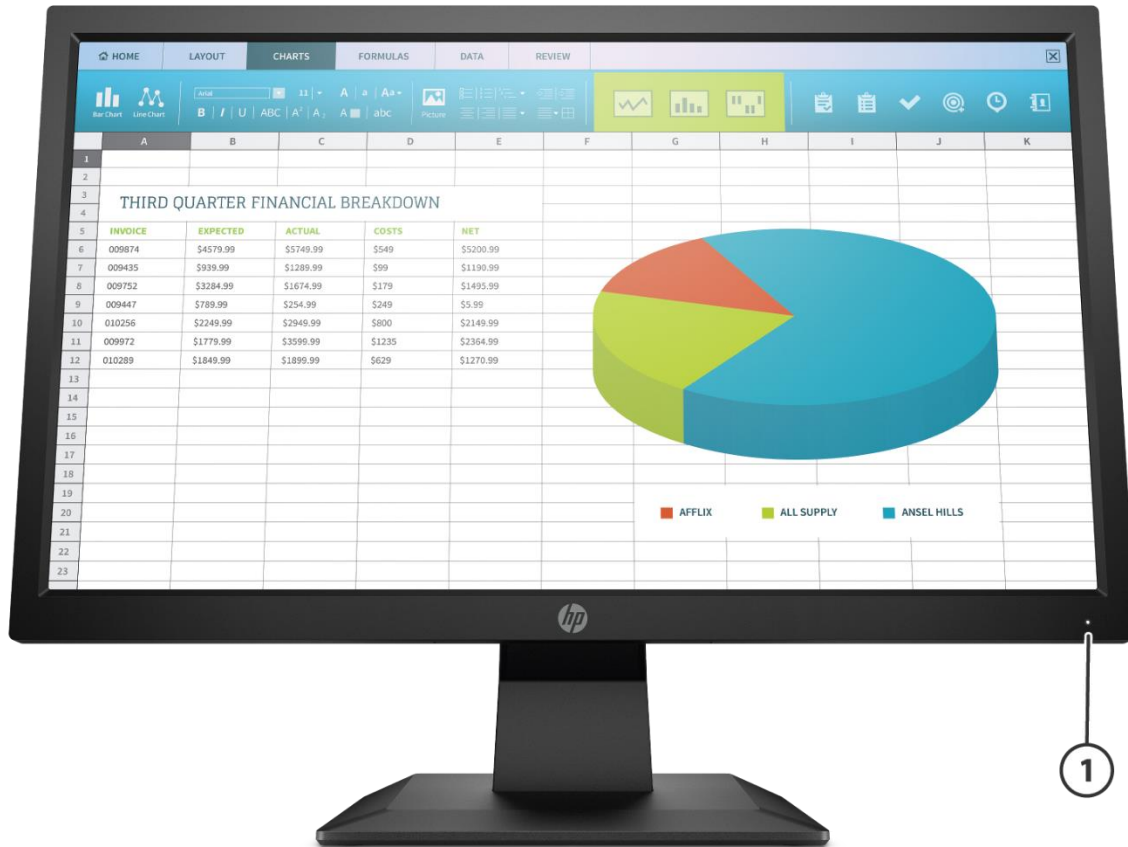


Technical Specifications

HP P204 19.5-inch Monitor



Front

1. Power LED Indication

Technical Specifications

HP P204 19.5-inch Monitor



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

Back

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

Technical Specifications

Models: 5RD65AA

Panel Specifications	Display Size (Diagonal)	19.5 in
	Display Panel Type	TN
	Native Resolution*	1600 x 900 @ 60 Hz
	Aspect Ratio	16:9
	Brightness Typical	250 cd/m ²
	Static Contrast Ratio - Typical	1000: 1
	Dynamic Contrast Ratio (DCR)	10M:1
	Pixel Pitch	0.27x 0.27mm
	Pixels Per Inch (PPI)	94.1
	Backlight Lamp Life (to half brightness - in hours)	40k minimum
	Anti-Glare Panel	Yes
	BrightView Panel	No
	Response Time - Typical	5ms
	Color Gamut – Typical	72%
	Color Support	Up to 16.7 million colors
	Horizontal Viewing Angle (typical CR>10)	170
	Vertical Viewing Angle (typical CR>10)	160
	Panel Active Area (w x h)	432.00(H) × 239.76(V)
	Preset Graphic Modes/Supported Resolutions	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		
Maximum Resolution		1600 x 900@ 60 Hz
Recommended Resolution		1600 x 900@ 60 Hz
Vertical Scan Range		50 - 60 Hz
Horizontal Scan Range	30 - 70 KHz	
Default Color Temperature	Neutral (6500)	
Maximum Pixel Clock Speed	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.

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

Technical Specifications

	Detachable Base Warranty	Yes 3/3/0:NA/TWN/ANZ/JPN/VIET/THAI/EMEA 3/3/3:INDIA/PRC
On Screen Display (OSD)	On Screen Display User Controls User Programmable Modes Monitor Control Buttons or Switches Languages VESA Mounting	Brightness+, Color, Image, Input, Power, Menu, Management, Information, Exit Yes, 10 Menu/Ok, Minus ("-")/auto (VGA)/information (HDMI&DP), Plus ("+")/viewing mode, Next input, Power 10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese) Yes
Connector Types	VGA DVI-D HDMI MHL/HDMI HDCP support Audio USB Card Reader DisplayPort™ 1.2 DisplayPort™ Daisy Chain (up to 4 displays) Video/audio cables included with lengths	Yes No 1, HDMI 1.4 No Yes (HDMI and DisplayPort™) No No No 1 DisplayPort™ 1.2 No DisplayPort™ 1.8 m; HDMI1.8m; VGA 1.8m
Power & Operating Specs	Power Supply Power Source Power Consumption - Maximum Energy Saving/Standby Mode Power Consumption - Typical Power cable length	Internal 100 - 240 VAC 50/60 Hz 18 w 0.3 w 15 w 1.83 m
Energy Star Data	Operational Mode at 100 VAC Operational Mode at 115 VAC Operational Mode at 230 VAC	9.22 KWH 9.19 KWH 9.24 KWH
EU Energy Efficiency Class (EC1062)	On-mode Power Consumption (EC 1062/2010) Annual Power Consumption (EC 1062/2010) Energy Efficiency Class (EC 1062/2010) Visible Screen Size	13 W 18.9 kWh A+ 19.5" / 49.5 cm
Operating Conditions	Operating Temperature - Celsius Operating Temperature - Fahrenheit Non-operating Temperature - Celsius Non-operating Temperature - Fahrenheit Operating Humidity Non-operating Humidity Operating Altitude Non-operating Altitude Mercury-free LED display backlights	5° - 35°C 41° - 95°F -20°C to 60°C -4 to 140°F 20% - 80% (non-condensing) 5% - 95% 0 - 5,000 m (16,400 ft.) 0 - 12.192 m (40,000 ft.) Yes, Mercury-free LED backlighting

Technical Specifications

Environmental Features and Certifications	Arsenic-Free Display Glass	Yes
	Low Halogen**	Yes
	Agency Approvals and Certifications	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
	Microsoft WHQL Certification	Win 7, 8, 10
	ENERGY STAR®	Yes
	EPEAT® Registered	EPEAT® 2.0 Silver
	China Energy Label	CEL Grade 1
	TCO Certified	Yes
	SmartWay Transport Partnership - NA only	Yes (NA SKU)

*EPEAT® Silver registered in the U.S. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country.

**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)	
Unit Product/Package Specifications	Recyclable Plastics	All	
	Recyclable Packaging (Box, packing materials)	All	
	Product Dimensions (Packed) (W x D x H)	Metric	54.3 x 13.6 x 34.9 cm
		Imperial	21.38 x 5.43 x 13.74 in
	Product Dimensions (Unpacked with stand)	46.26x19.00x35.36 cm	18.21x7.48x13.92 in
	Display Head Dimensions (Unpacked) (W x D x H)	46.26x4.87x27.87 cm	18.21x1.92x10.97 in
	Base Area Footprint (w x d mm)	200x190 mm	7.87x7.48 in
		Top 16.22mm	Top 0.64inch,
		Side 14.60mm	Side 0.57inch,
	Bezel Measurements	Bottom 21.32mm	Bottom 0.84inch
Product Weight (Unpacked with stand)		2.84 kg	6.26 lb
Product Weight (Packed)		4.05 kg	8.93 lb
Product Weight (Head Only)	2.26 kg	4.98 lb	
Pallet Information	Pallet Dimensions (L x W x H)	Pallet A: 1234 x 1096 x 120 mm	Pallet A: 48.58 x 43.15 x 4.7 in

Technical Specifications

	Pallet B: 1098 x 1096 x 120 mm	Pallet B: 43.23 x 43.15 x 4.7 in
Pallet Total Weight (L x W x H)	Pallet A: 450.4 kg Pallet B: 400.8 kg	Pallet A: 992.96 lbs Pallet B: 883.61 lbs
Pallet Layers	Pallet: 5 layers(GQ)/6 layers(HQ) Slipsheet: 6 layers(GQ)/7 layers(HQ)	
Pallet Product per Layer	Pallet A: 18 units Pallet B: 16 units	
Total Products per Pallet	Pallet A: 90 units(GQ)/108 units(HQ) Pallet B: 80 units(GQ)/96 units(HQ)	

Software Included **Software included (please list)** HP Display Assistant

Recommended Accessories*	Description	Part Number
	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

*Sold separately and availability may vary by country

What's in the box?	AC power cord	(1.83m) 6.0 ft
	VGA Cable	(1.8m) 5.9ft
	HDMI cable	(1.8m) 5.9ft (NA/EMEA)
	DisplayPort™ Cable	(1.8m) 5.9ft (NA only)

NOTE: Included cables may vary by country.

User Guide and Warranty Languages	User Guide Languages	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.
	Warranty Languages	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.

Service and Warranty 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.

Environmental Data	Eco-Label Certifications & 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"> IT ECO declaration US ENERGY STAR®
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Technical Specifications

		<ul style="list-style-type: none"> TCO 8.0 EPEAT® Silver registered in the United States. See http://www.epeat.net for registration status in your country. US Federal Energy Management Program (FEMP) 		
Energy Consumption (in accordance with US ENERGY STAR® test method)		115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz
Normal Operation		9.19 W	9.24 W	9.19 W
Sleep		0.16 W	0.19 W	0.11 W
Off		0.08 W	0.11 W	0.08 W
Heat Dissipation*		115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz
Normal Operation		31 BTU/hr	32 BTU/hr	31 BTU/hr
Sleep		1 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.			
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. This product contains 14.9% post-consumer recycled plastic (by wt.) according to IEEE 1680.1-2018 standard, criterion 4.2.1.1. This product is 98.7% recycle-able when properly disposed of at end of life. 			
Packaging Materials	External:	PAPER/Corrugated	442 g	
	Internal:	PLASTIC/EPS (Expanded Polystyrene)	292 g	
		PLASTIC/Polyethylene low density	10 g	
		PLASTIC/Polyethylene high density - HDPE	6 g	
RoHS Compliance	<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>			

Technical Specifications

		<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 HP RoHS position statement.</p>
	<p>Material Usage</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 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 • Bis(2-Ethylhexyl) phthalate (DEHP) • Benzyl butyl phthalate (BBP) • Dibutyl phthalate (DBP) • Diisobutyl phthalate (DIBP) • 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)

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	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/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.</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: 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.</p>
	HP, Inc. Corporate Environmental Information	<p>For more information about HP's commitment to the environment:</p> <p>Global Citizenship Report http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html</p> <p>Eco-label certifications http://www.hp.com/hpinfo/globalcitizenship/environment/productdesign/ecolabels.html</p> <p>ISO 14001 certificates: http://h20195.www2.hp.com/V2/GetDocument.aspx?docname=c04755842 and http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/cert.pdf</p>

Technical Specifications

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