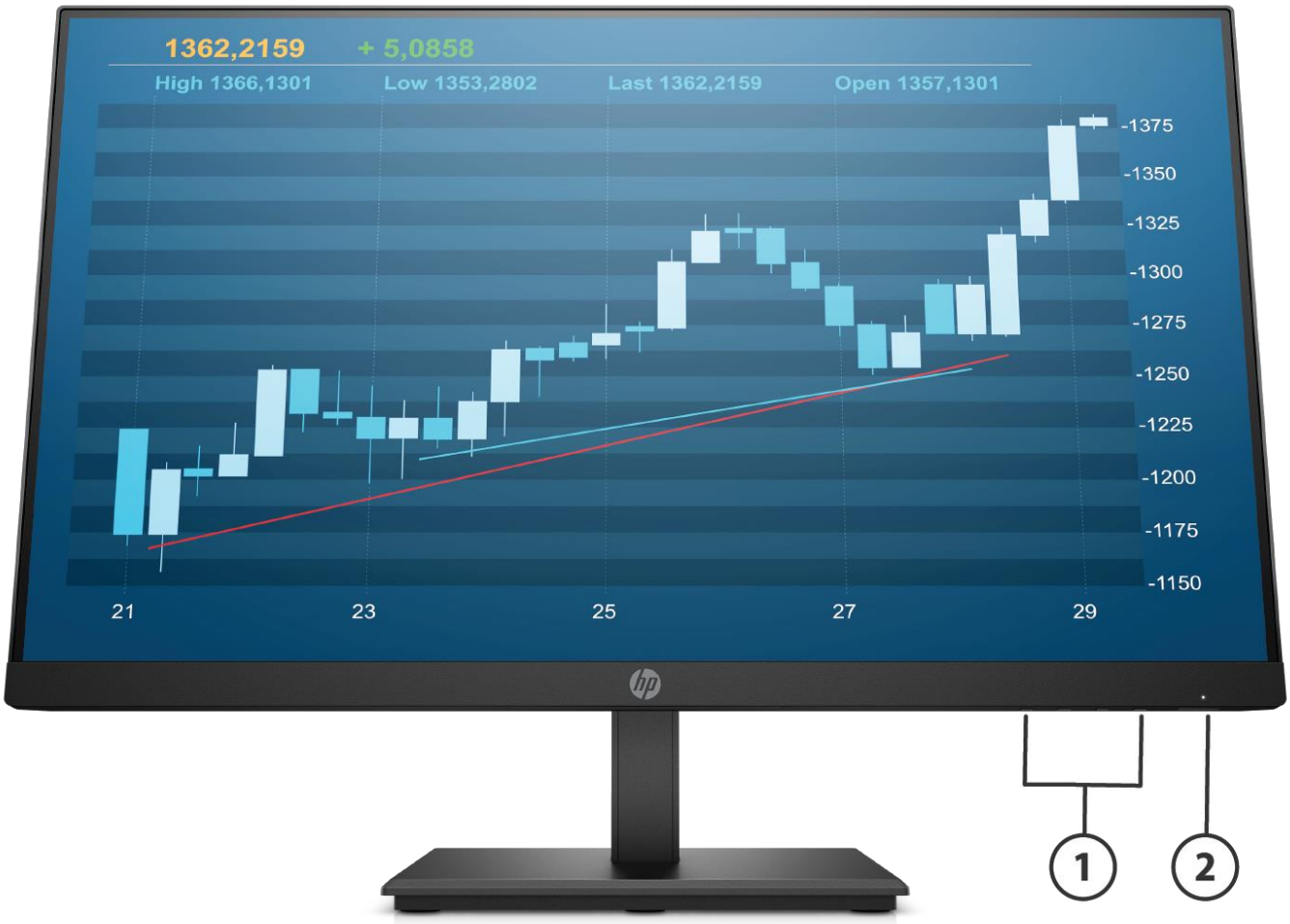
HP P244 23.8-Inch Monitor



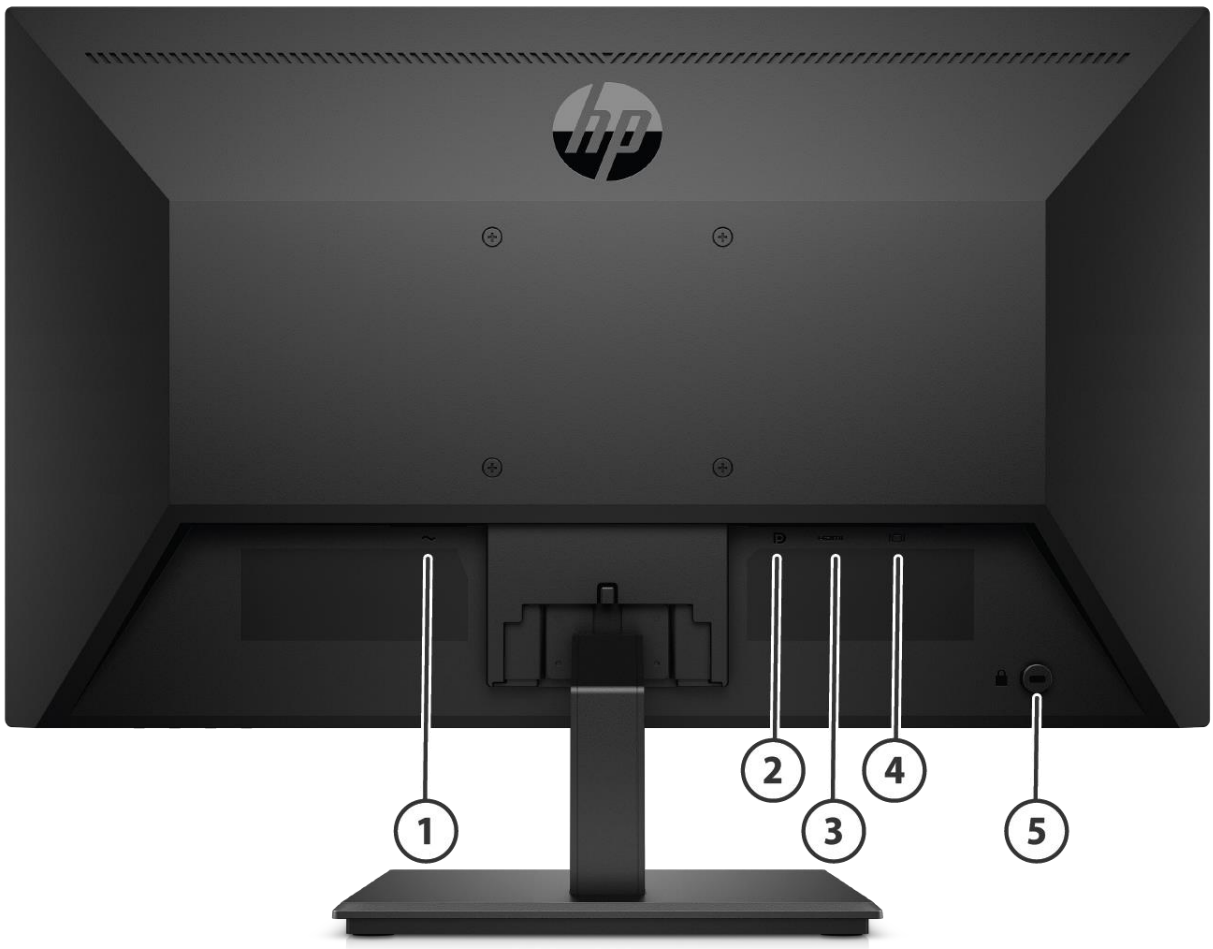
Front

1. Function Buttons

2. Power Button

Technical Specifications

HP P244 23.8-inch Monitor



Back

1. Power Connector
2. DisplayPort™ Connector
3. HDMI Connector
4. VGA Connector
5. HP Security Lock

Technical Specifications

Models: 5QG35AA, 5QG35A8

Panel Specifications	**Display Size (Diagonal)**	23.8-in
	Display Panel Type	IPS
	Native Resolution*	1920×1080 @ 60HZ
	Native Resolution Note	VGA or DisplayPort™ 1.2 or HDMI 1.4 required to drive panel at its native resolution
	Aspect Ratio	16:9
	Brightness Typical	250 cd/m²
	Static Contrast Ratio - Typical	1000:1
	Dynamic Contrast Ratio (DCR)	10,000,000:1
	Pixel Pitch	0.2745 x 0.2745mm
	Pixels Per Inch (PPI)	92.56
	Backlight Lamp Life (to half brightness - in hours)	30k minimum
	Anti-Glare Panel	yes
	BrightView Panel	no
	Response Time - Typical	5 ms Grey to Grey
	Color Gamut – Typical	72%
	Color Support	Up to 16.7 million colors with the use of FRC technology
	Horizontal Viewing Angle (typical CR>10)	178
	Vertical Viewing Angle (typical CR>10)	178
	3D Vertical Viewing Angle (typical 3DCT <10)	N/A
	Panel Active Area (w x h)	527.04(H) x 296.46(V)
	Preset Graphic Modes/Supported Resolutions	640 x 480@60Hz 720 x 400@70Hz 800 x 600@60Hz 1024 x 768@60Hz 1280 x 720@60Hz 1280 x 800@60Hz 1280 x 1024@60Hz 1440 x 900@60Hz 1600 x 900@60Hz 1680 x 1050@60Hz 1920 x 1080@60Hz
	Maximum Resolution	1920×1080 @ 60HZ
	Recommended Resolution	1920×1080 @ 60HZ
	Vertical Scan Range	50 - 60 Hz
	Horizontal Scan Range	30 - 80 kHz
	Default Color Temperature	Neutral(6500K)
	Maximum Pixel Clock Speed	170 MHz

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

Technical Specifications

	Backlight Flicker Free	Yes
	Plug & Play	Yes
	Tilt	Yes, -5° to +25°
	VESA Mounting	Yes, 100mm with integrated mount or with included bracket
	Security Lock Ready	Yes
	Detachable Base	Yes
	Warranty	3/3/0 for (NA/LA/TW/ANZ/JPN/VIET/THAT/EMEA), 3/3/3 (INDIA/PRC)
On Screen Display (OSD)	**On Screen Display User Controls**	Brightness, Color, Image, Input, Power, Menu, Management, Information, Exit
	User Programmable Modes	Yes, 10
	Monitor Control Buttons or Switches	Enter/Select/OK, Down/Minus("-"), Up/Plus("-"), Exit/Back, Power
	Languages	10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
	VESA Mounting	Yes
Input Connector Types	**VGA**	1 VGA
	HDMI	1 HDMI
	HDCP support	Yes (HDMI and DP)
	DisplayPort 1.2	1 DisplayPort™ 1.2
	Video/audio cables included with lengths	VGA 1.8 m; HDMI 1.8m; DP 1,8 m
Power & Operating Specs	**Power Supply**	Internal
	Power Source	100 – 240 VAC 50/60 Hz
	Power Consumption - Maximum	21W
	Energy Saving/Standby Mode	0.3W
	Power Consumption - Typical	17W
	Power cable length	1.9 m
Energy Star Data	**Operational Mode at 100 VAC**	11.49
	Operational Mode at 115 VAC	11.56
	Operational Mode at 230 VAC	11.73
EU Energy Efficiency Class (EC1062)	**On-mode Power Consumption (EC 1062/2010)**	17W
	Annual Power Consumption (EC 1062/2010)	25kWh
	Energy Efficiency Class (EC 1062/2010)	A+
	Visible Screen Size	23.8" / 60.5 cm Diagonal
Operating Conditions	**Operating Temperature - Celsius**	5° – 35°C
	Operating Temperature - Fahrenheit	41°C -95°F
	Non-operating Temperature - Celsius	–20° – 60°C
	Non-operating Temperature - Fahrenheit	29° - 140°F
	Operating Humidity	20 – 80% Relative Humidity (non-condensing)
	Non-operating Humidity	5 – 95%
	Operating Altitude	0 - 5,000 m (16,400 ft.)
	Non-operating Altitude	0 - 12.192 m (40,000 ft.)
	Mercury-free LED display backlights	Yes
	Arsenic-Free Display Glass	Yes

Technical Specifications

Environmental Features and Certifications	**Low Halogen****	Yes	
	Agency Approvals and Certifications	WW application CE,CB,KC/KCC/PSB/GS/TUV-S/ISO 9241-307/ Low Blue Light/ BIS/UL/PSB/ISC/CCC/CEL/CECP/SEPA/Energy Star/TCO/VCCI/FCC/BSMI/Vietnam MEPS/Australian-New Zealand MEPS/WEEE	
	Microsoft WHQL Certification	Win 10, Win 8.1, Win 7	
	ENERGY STAR®	Yes	
	EPEAT® Registered	EPEAT2.0 Sliver	
	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.

Note: DisplayPort™ and the DisplayPort™ logo are trademarks owned by the Video Electronics Standards Association (VESA®) in the United States and other countries.

Contains Recycled Plastics	**Contains Recycled Plastics in Back Cover**	Yes,contains 35% recycled plastics	
	Contains Recycled Plastics in Other Parts	Yes,contains 35% recycled plastics	
	Recyclable Plastics	Yes	
	Recyclable Packaging (Box, packing materials)	0% recycle Plastics content by total weight of packing materials	
		Metric	**Imperial**
Unit Product/Package Specifications	**Product Dimensions** (Unpacked with stand) (W x D x H)	53.91 x 20.00 x 39.75 cm	21.22 x7.87 x 15.65 in
	Product Dimensions (Packed) (W x D x H)	62.0x17.0x41.0 cm	24.41x6.69x16.14 in
	Display Head Dimensions (Unpacked without stand) (W x D x H)	53.91x4.19x32.26 cm	21.22x1.65x12.70 in
	Base Area Footprint (w x d mm)	210.0 x 200.0 mm	8.27x7.87 in
	Bezel Measurements	bottom18.29 mm	bottom7.20 in
	Product Weight (Unpacked with stand)	3.8 kg	8.37 lb
	Product Weight (Packed)	5.2 kg	11.45 lb
	Product Weight (Head Only)	3.10kg	6.83lb
Pallet Information	**Pallet Dimensions** (L x W x H)	1250x1040x120 mm	49.21x40.94x4.72 in
	Pallet Total Weight (L x W x H)	330.6 kg	728.19 lb
	Pallet Layers	5	
	Pallet Product per Layer	12	

Technical Specifications

	Total Products per Pallet	60
Software Included	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?	AMS: AC Power Cord (1.8m) 5.9 ft, HDMI Cable (1.8m) 5.9 ft, DP Cable (1.8m) 5.9 ft LA: AC Power Cord (1.8m) 5.9 ft, HDMI Cable (1.8m) 5.9 ft, DP Cable (1.8m) 5.9 ft APJ: AC Power Cord (1.8m) 5.9 ft, VGA Cable (1.8m) 5.9 ft, HDMI Cable (1.8m) 5.9 ft, DP Cable (1.8m) 5.9 ft EMEA: AC Power Cord (1.8m) 5.9 ft, VGA Cable (1.8m) 5.9 ft, HDMI Cable (1.8m) 5.9 ft	
User Guide and Warranty Languages	**User Guide 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.
	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: • IT ECO declaration • US ENERGY STAR® • TCO or TCO Certified Edge • 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	11.56 W	11.73 W	11.49 W
	Sleep	0.17 W	0.22 W	0.16 W
	Off	0.13 W	0.17 W	0.13 W
	Heat Dissipation*	**115VAC, 60Hz**	**230VAC, 50Hz**	**100VAC, 50Hz**
	Normal Operation	40 BTU/hr	18 BTU/hr	18 BTU/hr

Technical Specifications

	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 • Plastics parts weighing over 25 grams used in the product are marked per ISO 11469 and ISO1043. • This product contains 24.5% post-consumer recycled plastic (by wt.) according to IEEE 1680.1-2018 standard, criterion 4.2.1.1. • This product is 94.0% recycle-able when properly disposed of at end of life.		
	Packaging Materials	**External:**	PAPER/Paperboard	669 g
		Internal:	PLASTIC/Polystyrene Expanded - EPS	292 g
			PLASTIC/Polyethylene high density - HDPE	6 g
			PLASTIC/Polyethylene Expanded - EPE	18 g
	RoHS Compliance	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. 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. 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. To obtain a copy of the HP RoHS Compliance Statement, see HP RoHS position statement.		

Technical Specifications

	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 • 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)
	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

	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.
	HP, Inc. 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://h20195.www2.hp.com/V2/GetDocument.aspx?docname=c04755842 and http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/cert.pdf

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

Summary

Change Log	
V1 to V2 May 6, 2019	Added Environmental Section
V2 to V3 February 25, 2020	Updated What´s in the box Section