

Technical Specifications

HP P24q G4 QHD Height Adjust Monitor



Front

1. Power LED

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HP P24q G4 QHD Height Adjust Monitor



1. Function Buttons
2. Power Button
3. Power Connector

Back

4. HDMI Port
5. VGA Port
6. Security Cable Slot

Technical Specifications

Model: 8MB10AA

Panel Specifications	Display Size (Diagonal)	23.8 in
	Display Panel Type	IPS
	Micro-Edge Bezel	Yes, 3-sided
	Native Resolution/Timing	2560 x 1440 @60 Hz
	Panel Bit Depth	6-bit +HiFRC
	Aspect Ratio	16:9
	Brightness - Typical	NA/LA/APJ: 300 nits EMEA: 250 nits (in compliance with ErP LOT5)
	Static Contrast Ratio - Typical	1000:1
	Static Contrast Ratio - Minimum	700:1
	Dynamic Contrast Ratio (DCR)	10M:1
	Flicker Free	Yes
	Pixel Pitch	0.2058 x 0.2058 mm
	Pixels Per Inch (PPI)	123
	Backlight Lamp Life (to half brightness - in hours)	30 k minimum
	Anti-Glare Panel	Yes
	Response Time - Typical	5 ms (GTG)
	Horizontal Viewing Angle (typical CR>10)	178°
	Vertical Viewing Angle (typical CR>10)	178°
	Panel Active Area (w x h)	526.848 x 296.352 mm (20.74 x 11.67 in)
	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 1440 x 900 @ 60 Hz 1600 x 900 @ 60 Hz 1600 x 1200 @ 60 Hz (Digital inputs only) 1680 x 1050 @ 60 Hz 1920 x 1080 @ 60 Hz 1920 x 1200 @ 60 Hz 2560 x 1400 @ 60 Hz (Digital inputs only)
	Maximum Resolution	2560 x 1440 @ 60 Hz
	Recommended Resolution	2560 x 1440 @ 60 Hz
	Vertical Scan Range	50 - 60 Hz
Horizontal Scan Range	30 - 80 KHz (VGA); 30 - 90 KHz (HDMI)	
Default Color Temperature	Neutral (6500 K)	
Maximum Pixel Clock Speed	200 MHz (VGA); 250 MHz (HDMI)	
Color Gamut Coverage	sRGB	99%
Color Management	Default Color Temperature	Neutral (6500 K)
Monitor Specifications	Exterior Color of Monitor Bezel and Stand	Black in bezel, black for stand
	Plug & Play	Yes
	Tilt	Yes, -5° to +23°
	Swivel	Yes, 360°

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	Pivot	yes, clockwise 90°
	Height Adjustment Range	Yes, 100 mm
	VESA Mounting	Yes, 100 mm with integrated mount
	Security Lock Ready	Yes
	Detachable Base	Detached base and attached stand (PIVOT) for shipping
	Warranty	3/3/3
On Screen Display (OSD)	On Screen Display User Controls	Brightness, Contrast, Color Control, Input Control, Image Control, Power Control, Menu Control, Management, Language, Information, Exit
	User Programmable Modes	Yes, 20
	Monitor Control Buttons or Switches	Menu, Plus ("+")/Information/Auto-Adjustment, Minus ("-")/Viewing Modes, OK/Next Active Input, Power
	User-Assignable Function Buttons	Yes, 3 (7 options)
	Languages	10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
Connector Types	HDMI	1, HDMI 1.4
	VGA	1, VGA
	HDCP support	Yes, (HDMI)
Power and Operating Specs	Power Supply	Internal Power supply
	Power Source	100 - 240 VAC 50/60 Hz
	Power Consumption - Maximum	38 W
	Energy Saving/Standby Mode	0.5 W
	Power Consumption - Typical	33 W
	Power cable length	1.83 m
Operating Conditions	Operating Temperature - Celsius	5° – 35°C
	Operating Temperature - Fahrenheit	41° – 95°F
	Non-operating Temperature - Celsius	-34° – 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.)
Environmental Features and Certifications	Mercury-free LED display backlighting	Yes
	Arsenic-Free Display Glass	Yes
	Agency Approvals and Certifications	CB /CCC / CEL /BSMI/cTUVus/CECP/CE/TUV Bauart/ ISO9241-307/EAC/UAE /EC1062/Ukraine energy/ cTUVus/ FCC/ICES/ CEC/ NOM/ S-mark/ErP LOT5.
	Microsoft WHQL Certification	Win 10, Win 8, Win 7
	China Energy Label	Grade 2
Contains Recycled Plastics	Recyclable Plastics	YOUHO-1303B-JB 85% RECYCLED

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1. All specifications represent the typical specifications provided by HP's component manufacturers, actual performance may vary either higher or lower.

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

		Metric	Imperial
Unit Product/Package Specifications	Product Dimensions (Unpacked with stand) (W x D x H)	54.06 x 21.16 x 46.33	21.28 x 8.33 x 18.24
	Product Dimensions (Packed) (W x D x H)	63.9 x 22.5 x 41.9 cm	25.15 x 8.85 x 16.49 in
	Display Head Dimensions (Unpacked without stand) (W x D x H)	54.06 x 4.69 x 32.25	21.28 x 1.84 x 12.69
	Base Area Footprint (W x D x H)	214.6 x 211.6 mm	8.44 x 8.33
	Bezel Measurements	Top 6.82 mm	Top 0.27 in
		Side 6.88 mm	Side 0.27 in
		Bottom 19.38 mm	Bottom 0.76 in
	Product Weight (Unpacked with stand) (W x D x H)	5.59 kg	12.32 lb
	Product Weight (Packed) (W x D x H)	7.59 kg	16.73 lb
	Product Weight (Head only) (W x D x H)	3.42 kg	7.54 lb
Pallet Information	Pallet Dimensions (L x W x H mm)	G-1:1280 x 1140 x 125mm	G-1:50.39 x 44.88 x 4.92mm
		G-2:1280 x 660 x 125mm	G-2:50.39 x 25.98 x 4.92mm
	Pallet Total Weight	G-1: 395 kg	G-1: 870.83 lb
		20'/40' Slip: Vertical*5 layers	
		40'HQ-Slip: Vertical*6 layers	
		20'/40'Wooden: Vertical*5 layers	
	Pallet Product per Layer	40'HQ-Wooden: Vertical*5 layers	
		G-1:10	
	Total Products per Pallet	G-2:5	
		G-1:50	
Container Load, 20-Foot	G-2:25		
Container Load, 40-Foot	450 units		
Container Load, 40-Foot HighQ	900 unit		
	900 units wooden pallet/1080 units slip sheet		
What's in the box?	AC power cord (1.83 m) 6.0 ft HDMI cable (1.8 m) 5.9 ft Doc kit (Product notice, warranty card...etc)		
Other	User Guide Languages	English, S. Chinese, T. Chinese	

Dynamic Contrast Ratios* during video playback only, depending on series of frames or time duration.
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Change Log			
April 29, 2020	V1 to V2	Updated	Certifications
September 24, 2020	V2 to V3	Updated	Brightness, Certifications

