

Technical Specifications

HP E24q G4 QHD Monitor



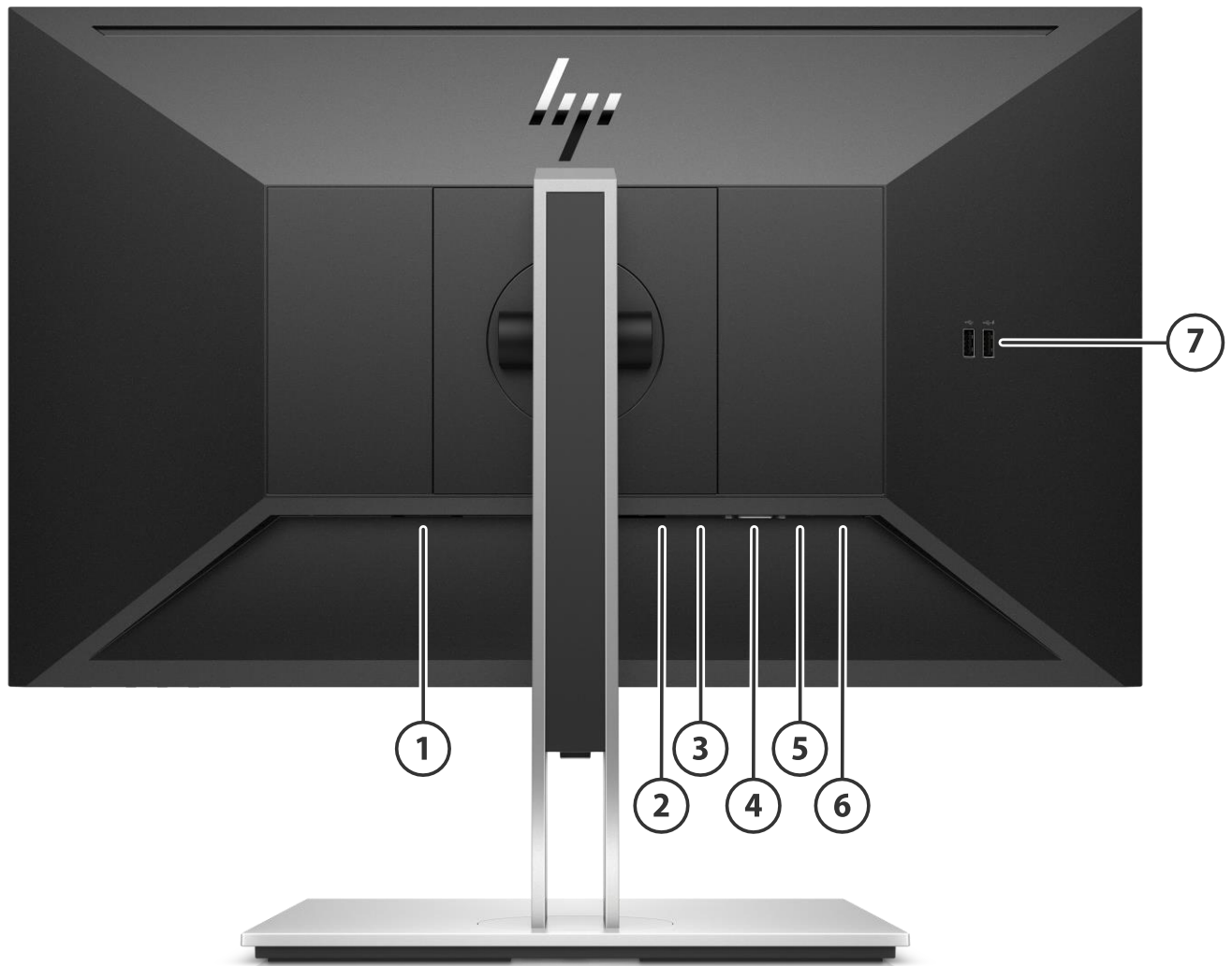
Front

1. OSD Buttons

2. Power Button

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HP E24q G4 QHD Monitor



Back

1. Power Button
2. DisplayPort™
3. HDMI Port
4. VGA Port

5. USB-B Port
6. USB-A Ports (2)
7. USB-A Ports (2)

Technical Specifications

Models: 9VG12AA

Panel Specifications	Display Size (Diagonal)	23.8-in
	Display Panel Type	IPS
	Micro-Edge Bezel	Yes, 3-sided
	Native Resolution/Timing	2560x1440 @60Hz
	Panel Bit Depth	8-bit (16.7million color)
	Aspect Ratio	16:9
	Brightness - Typical	250 cd/m ²
	Static Contrast Ratio - Typical	1000:1
	Static Contrast Ratio - Minimum	700:1
	Dynamic Contrast Ratio (DCR)	5M:1
	Flicker Free	Yes
	Pixel Pitch	0.2058 (H) × 0.2058(V)
	Pixels Per Inch (PPI)	123
	Backlight Lamp Life (to half brightness - in hours)	30k minimum
	Anti-Glare Panel	Yes (Haze 25%)
	Response Time - Typical	4 ms
	Horizontal Viewing Angle (typical CR>10)	178°
	Vertical Viewing Angle (typical CR>10)	178°
	Panel Active Area (w x h)	526.85(H) × 296.35(V) mm
	Preset Graphic Modes/Supported Resolutions	640 × 480 @60Hz 720 × 400 @70Hz 800 × 600 @60Hz 1024 × 768 @60Hz 1280 × 720 @60Hz 1280 × 800 @60 Hz 1280 × 1024@60Hz 1440 × 900 @60Hz 1600 × 900 @60Hz 1680 × 1050 @60Hz 1920 × 1080 @60Hz 1920 × 1200 @ 60Hz 2560 × 1440 @ 60Hz
	Maximum Resolution	2560 × 1440 @ 60Hz
	Recommended Resolution	2560 × 1440 @ 60Hz
	Vertical Scan Range	50-60Hz
	Horizontal Scan Range	30-90kHz
	Default Color Temperature	Neutral (6500K)

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

Color Gamut Coverage	NTSC	72%
Color Management	Factory Color Presets	No
	Color Space / Subsampling Support	RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2
	Default Color Temperature	Neutral (6500 K)
	Low Blue Light Modes	Yes
	RGB Channel Adjust	Yes, Gain

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Monitor Specifications	Exterior Color of Monitor Bezel and Stand	Black
	Plug & Play	Yes
	Tilt	-5° to +23°
	Swivel	+/-45°
	Pivot	+/-90°
	Height Adjustment Range	150mm
	VESA Mounting	Yes, 100 mm with integrated mount or with included bracket
	Security Lock Ready	Yes
	Detachable Base	Yes, ships detached
	Warranty	Based on region
On Screen Display (OSD)	On Screen Display User Controls	Brightness+, Color, Image, Input, Power, Menu, Management, Information (Power delivery up to 15W)
	Monitor Control Buttons or Switches	Menu, Minus ("-")/Information, Plus ("+") /Viewing Mode, OK/Next Active Input, Power
	User-Assignable Function Buttons	Yes, 4
	Languages	10 (German, Dutch, T-Chinese and S-Chinese, English, Spanish, French, Italian, Japanese, Portuguese)
Connector Types	DisplayPort™	1 DisplayPort™ 1.2 in
	HDMI	1 HDMI1.4
	VGA	1
	HDCP support	Yes
USB Port Specifications	USB Version	3.2
	USB Hub	Yes
	Downstream Ports	4 Ports
	Upstream Ports	1 Port
	Fast Charging USB Ports	1 Ports (Side) (USB-A)
	Power Output Maximum	Fast Charging: 7.5 W
Special Features	User Presets	Yes
	User Updateable Firmware	Yes
Power & Operating Specs	Power Supply	Internal
	Power Source	100 – 240 VAC 50/60 Hz
	Power Consumption - Maximum	175 W
	Energy Saving/Standby Mode	0.5 W
	Power Consumption - Typical	70 W
	Power cable length	1.9 m
EU Energy Efficiency Class (EC1062)	On-mode Power Consumption (EC 1062/2010)	15 W
	Annual Power Consumption (EC 1062/2010)	22 kWh
	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° – 95°F
	Non-operating Temperature - Celsius	-34° – 60°C

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	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, Mercury-free LED backlighting
	Arsenic-Free Display Glass	Yes
	Low Halogen*	Yes GSE HP-00011-01B, table 2 defines low-halogen (BFR, CFR, PVC) NOTE: External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
	Agency Approvals and Certifications	WW certificate CE, CB, KC/KCC/NOM/ISO 9241-307/ EAC/TUV-GS/cTUVus/PSB/CCC/CEL/ISC/VCCI/FCC/BSMI/Vietnam MEPS/Australian-New Zealand MEPS/WEEE/BIS/CEC/E-Standby/Low Blue Light/CECP/TUV-S/CECP
	Microsoft WHQL Certification	Win 10, Win 8, Win 7
	China Energy Label	CEL Grade 1
	SmartWay Transport Partnership - NA only	Yes (NA SKU)

*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.

Unit Product/Package Specifications	Product Dimensions	Metric	Imperial
		(Unpacked with stand) (W x D x H)	53.94 x 20.7 x 49.49 cm
	Product Dimensions	61 x 22.5 x 39.5 cm	24.02 x 8.86 x 15.55 in
	(Packed) (W x D x H)		
	Display Head Dimensions	53.94 x 4.7 x 32.33 cm	21.24 x 1.85 x 12.73 in
	(Unpacked without stand) (W x D x H)		
	Base Area Footprint	260 x 207 mm	10.24 x 8.15 in
	(w x d mm)		
	Bezel Measurements	Bottom 19.66mm (display chin)	Bottom 0.77 in (display chin)
	Product Weight	5.9 kg	13 lb
	(Unpacked with stand)		
	Product Weight	8.8 kg	19.4 lb
	(Packed)		
	Product Weight	3.4 kg	7.5 lb
	(Head Only)		
	Container Load, 40-Foot HighQ	1152	

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Display Management Software HP Display Center

What's in the box?	1 HDMI 2.0	(1.8 m) 5.9 ft
	1 DisplayPort™ (DisplayPort™ 1.2)	(1.8 m) 5.9 ft
	1 USB 3.2	(1.8 m) 5.9 ft
	1 Power Cord	(1.9 m) 6.2 ft
	1 QSP	
	1 Doc-Kit	

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.

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Summary

Change Log

Change Log			
	V1 to V2		