

Technical Specifications

HP E24q G5 QHD Monitor

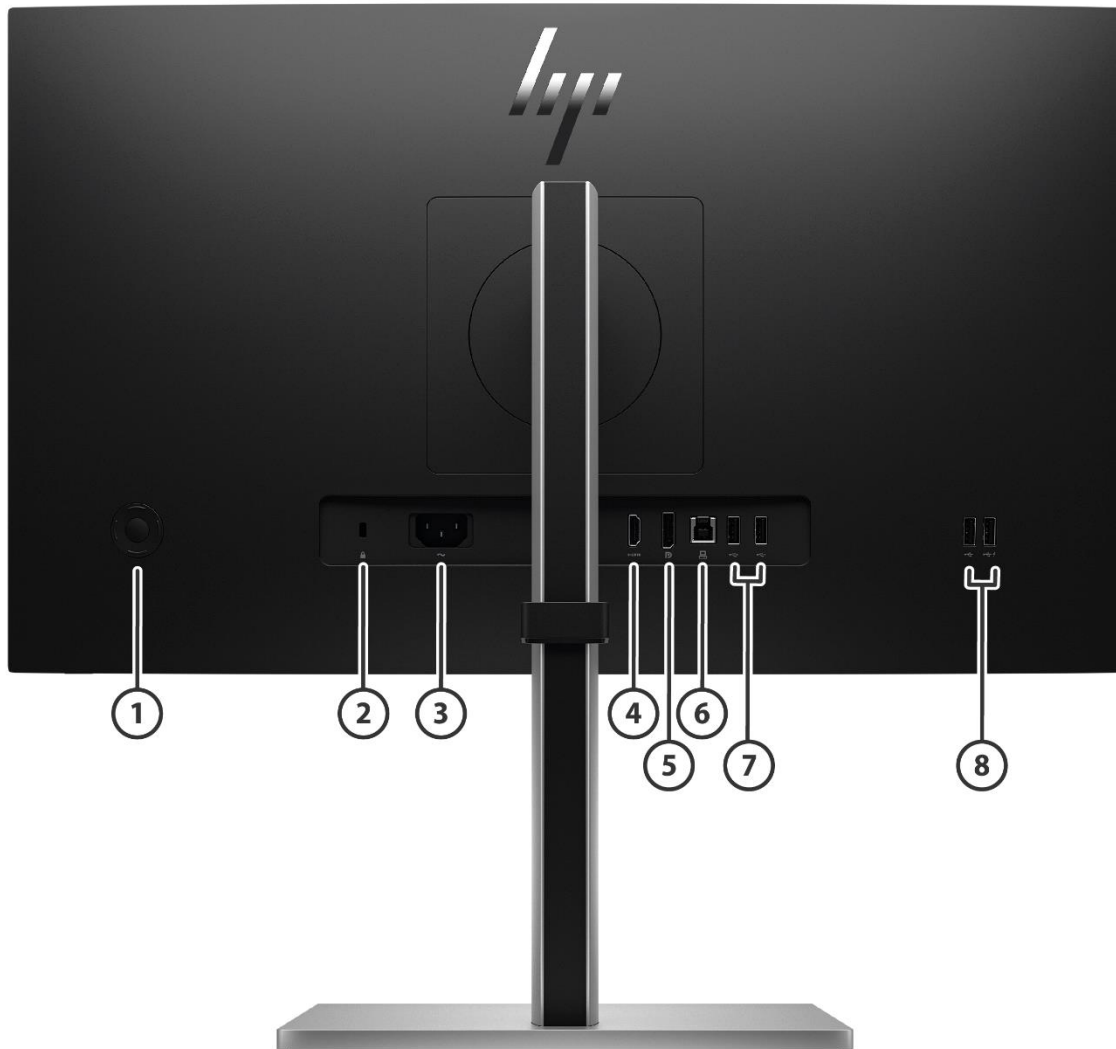


1. Power Button

Front
2. LED Power

Technical Specifications

HP E24q G5 QHD Monitor



Back

1. Joypad OSD button
2. Security Cable Slot
3. Power Connector
4. HDMI 1.4 Port
5. DisplayPort™ 1.2
6. USB-B Port
7. SuperSpeed USB Type-A 5Gbps signaling rate (2)
8. SuperSpeed USB Type-A 5Gbps signaling rate (2) 1 charging

Technical Specifications


Model: 6N4F1AA

Panel Specifications	Display Size (Diagonal)	23.8 inch (60.5 cm)
	Viewable Diagonal Size	23.8 inch (60.5 cm)
	Panel Technology	IPS
	Max Refresh Rate	75Hz
	Native Resolution	QHD (2560 x 1440)
	Panel Bit Depth	True 8 bit
	Aspect Ratio	16:9
	Brightness (Typical)	300 nits
	Contrast Ratio (Static)	1000:1
	Dynamic Contrast Ratio	8M:1
	Flicker Free	Yes
	Pixel Pitch	0.21 x 0.21 mm
	Pixels Per Inch (PPI)	123 PPI
	Display Colors	Up to 16.7 million colors supported
	Backlight Lamp Life Minimum (To Half Brightness - In Hours)	30k
	Backlight Type	Edge-lit
	Screen Treatment	Anti-glare
	Hardness	3H
	Haze	25%
	Response Time (Typical)	5ms GtG (with overdrive)
	Horizontal Viewing Angle (Typical Cr>10)	178°
	Vertical Viewing Angle (Typical Cr>10)	178°
	Panel Active Area Metric (W X H)	52.69 x 29.64 cm
Panel Active Area Imperial (W X H)	20.75 x 11.67 in	
NOTE: Performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.		
Color	sRGB	99%
Color Management	Color Space/ Subsampling Support	RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2
	RGB Channel Adjust	Yes, Gain
	Default Color Temperature	Neutral (6500K)
Monitor Specifications	Bezel Type	3-sided borderless
	Color Of Stand	Black & Silver
	Color Of Head	Black
	Tilt	Yes, -5~+23°
	Swivel	±45°
	Pivot	±90°
	Height Adjust Range	150 mm
	Vesa Mounting	100 mm x 100 mm
	Security Lock	Security lock-ready
	Detachable Stand	Yes
	Warranty	3/3/0 for LA, NA, EMEA, APJ (3/3/3 in select APJ Countries)

Technical Specifications

	Low Blue Light Management Software	Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified) HP Display Center, HP Display Manager* <i>*Host PC requires Windows 10 and above. HP Display Center is available on the Microsoft store.</i>
On Screen Display (OSD)	On Screen Display	Brightness+, Color Control, Image Control, Input Control, Power Control, Menu Control, Management, Information, Exit
	Native Resolution	QHD (2560 x 1440) NOTE: DisplayPort 1.2 or HDMI 1.4 required to drive panel at its native resolution.
	Maximum Resolution	QHD (2560 x 1440 @ 75 Hz)
	Preset Graphic Modes/Supported Resolutions	640 x 480 @ 60Hz 640 x 480 @ 75Hz 720 x 400 @ 70 Hz 800 x 600 @ 60 Hz 800 x 600 @ 75 Hz 1024 x 768 @ 60 Hz 1024 x 768 @ 75 Hz 1280 x 720 @ 50 Hz 1280 x 720 @ 60 Hz 1280 x 800 @ 60 Hz 1280 x 1024 @ 60 Hz 1280 x 1024 @ 75 Hz 1440 x 900 @ 60 Hz 1600 x 900 @ 60 Hz 1680 x 1050 @ 60 Hz 1920 x 1080 @ 50 Hz 1920 x 1080 @ 60 Hz 1920 x 1080 @ 75 Hz 1920 x 1200 @ 60 Hz 1600x1200 @ 60Hz 2560x1440 @ 75Hz 2560 x 1440 @60Hz
	Minimum Vertical Scan Rate	50 Hz
	Maximum Vertical Scan Rate	75 Hz
	Minimum Horizontal Scan Rate	30.0 kHz
	Maximum Horizontal Scan Rate	115.0 kHz
	Maximum Pixel Clock	300.0 MHz
	User-Assignable Function Buttons	Yes, 4 (6 options) 11 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese, S-Chinese and Russian)
	Languages	
Connector Types	DisplayPort™	1 DisplayPort™ 1.2
	HDMI	1 HDMI 1.4
	HDCP	Yes, DisplayPort™ and HDMI

Technical Specifications

	USB-A	4 SuperSpeed USB Type-A 5Gbps signaling rate (1 charging)
	USB-B (Hub Enablement)	1 USB-B
Special Features	SWITCH	Monitor Power button Next Active Input/ Up button Information / Down button Brightness / Left button Color / Right button Menu / Enter button
	User Presets	18
Power & Operating Specs	Power Supply	Internal
	Power Source	100 – 240 VAC 50/60 Hz
	Power Consumption- Max	56W
	Energy Saving/Stand By Mode	0.5W
	Power Consumption - Typical	39W
Energy Star Data	Operational Mode at 100 VAC	17.61W
	Operational Mode at 115 VAC	17.56W
	Operational Mode at 230 VAC	17.7W
EU Energy Efficiency Class (ErP LOT-5)	On-mode Power Consumption for Standard Dynamic Range (SDR)	18W
	ErP LOT5 Energy Efficiency Class for Standard Dynamic Range (SDR)	
Operating Conditions	Operating Temperature - Celsius	5° – 35°C
	Operating Temperature - Fahrenheit	41° – 95°F
	Non-Operating Temperature - Celsius	-40° – 65°C
	Non-Operating Temperature - Fahrenheit	-40° – 149°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.)
Certifications and Compliances	Low Halogen	Yes* <i>*External power supplies, WWAN modules, power cords, cables and peripherals excluded.</i>
	Agency Approvals and Certifications	WW application CE/CB/KC/KCC/NOM/PSB/ICE/TUV-S/ISO 9241-307/cTUVus/GS/ISC/CCC/CEL/CECP/SEPA/TCO/TCO Certified Edge/Hardware Low Blue Light/Energy Star/ISC/VCCI/FCC/BSMI/BIS/NRCS/UAE/Ukraine/Ukraine EE/WEEE/TGM/PSE/E-Standby (Korea MEPS)/EAC
	Microsoft WHQL Certification	Win 11 (x64 only), Win 10 (x64 only)
	ENERGY STAR® Certified	Yes

Technical Specifications

EPEAT® Registered
Regions need to verify by country

EPEAT® Gold in United States*

*Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit <http://www.epeat.net> for more information.

China Energy Label
TCO Certified Edge
TCO Certified
SmartWay Transport Partnership - NA only

CEL Grade 1

Yes

Yes

Yes (NA sku)

Contains Recycled Plastics

Contains Recycled Plastics

Contains Ocean-Bound Plastic*, 85% ITE-derived closed loop plastic**

*All plastic parts contain ocean-bound plastic. Percentage of ocean-bound plastic contained in each component varies by product.

** ITE Derived Closed Loop Plastic percentage is based on the definition set in the IEEE 1680.1-2018 standard.

Recycled Metals

At least 25% recycled metal*

*Recycled metal is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal parts over 25 grams.

Recyclable Packaging (Box, packing materials)

Outside Box and corrugated cushions are 100% sustainably sourced and recyclable*

Molded Paper Pulp Cushion inside box is 100% sustainably sourced and recyclable**

*100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.

**Molded pulp cushions are made from 100% recycled wood fiber and organic materials.

Unit Product/Package Specifications

Product Dimensions
(Unpacked with stand) (W x D x H)
Product Dimensions
(Packed) (W x D x H)
Display Head Dimensions
(Unpacked without stand) (W x D x H)
Base Area Footprint
(w x d mm)
Bezel Measurements
Product Weight
(Unpacked with stand)
Product Weight
(Packed)
Product Weight
(Head Only)

Metric

Imperial

53.94 x 21.1 x 50.7 cm

21.24 x 8.31 x 19.96 inch

62.1 x 14 x 40 cm

24.45 x 5.51 x 15.75 inch

53.94 x 4.7 x 32.26 cm
(w/o hinge)

21.24 x 1.85 x 12.7 inch
(w/o hinge)

53.94 x 7.5 x 32.26 cm
(w/ hinge)

21.24 x 2.95 x 12.7 inch
(w/ hinge)

242 x 187 mm

9.53 x 7.36 inch

Bottom: 18.10 mm

Bottom: 0.71 inch

5.82 kg

12.83 lb

8.42 kg

18.55 lb

3.81 kg (w/o hinge)

8.38 lb (w/o hinge)

4.18 kg (w/ hinge)

9.22 lb (w/ hinge)

Technical Specifications

Pallet Information	Pallet Dimensions (L x W x H mm)	(20' ft/40' ft) Slip Sheet: 1126 x 627 x 2025 mm (20' ft/40' ft) Pallet: 1126 x 627 x 2145 mm (40' HQ) Slip Sheet: 1126 x 627 x 2428 mm (40' HQ) Pallet: 1126 x 627 x 2548 mm	(20' ft/40' ft) Slip Sheet: 44.33 x 24.69 x 79.72 inch (20' ft/40' ft) Pallet: 44.33 x 24.69 x 84.45 inch (40' HQ) Slip Sheet: 44.33 x 24.69 x 95.59 inch (40' HQ) Pallet: 44.33 x 24.69 x 100.31 inch
	Pallet Total Weight	Slip Sheet: 343.3 kg (40' ft&20' ft) Slip Sheet: 411.9 kg (40' HQ) Pallet: 352.3 kg (40' ft&20' ft) Pallet: 420.9 kg (40' HQ)	Slip Sheet: 755.26 lb (40' ft&20' ft) Slip Sheet: 906.18 lb (40' HQ) Pallet: 775.06 lb (40' ft&20' ft) Pallet: 925.98 lb (40' HQ)
	Pallet Layers	5 layers per pallet (20' ft/40' ft) 6 layers per pallet (40' HQ)	
	Pallet Product per Layer	8 per layer	
	Total Products per Pallet	40 sets per pallet (20' ft/40' ft) 48 sets per pallet (40' HQ)	
	Container Load, 20-Foot	720 sets (slip sheet) 720 sets (pallet)	
	Container Load, 40-Foot	1520 sets (slip sheet) 1520 sets (pallet)	
	Container Load, 40-Foot HighQ	1824 sets (slip sheet) 1824 sets (pallet)	
What's in the box?	AC power cord (1.83m) 5.9ft HDMI 1.4 cable (1.8m) 5.9 ft USB 3.0 B-A cable (1.8m) DP 1.2 cable (1.8m) Warranty Quick Setup Poster		
User Guide and Warranty Languages	User Guide Languages	Arabic, Bahasa Indonesia, Bulgarian, Chinese-S, Chinese-T, Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Kazakh, Korean, Latvian, Lithuanian, Norwegian, Polish, Portuguese (Brazilian), Portuguese (Iberian), Romanian, Russian, Serbian, Slovak, Slovenian, Spanish, Swedish, Thai, Turkey, Ukrainian	
	Warranty Languages	English US (EN), English AP (EN-AP), English LA (EN-LA), English UK (EN-GB), Arabic (AR) -17x, Bahasa Indonesia (ID), Bosnian (BS), Bulgarian (BG), Chinese-S (CN), Chinese-T (TW), Croatian (HR), Czech (CS), Danish (DA), Dutch (NL), Estonian (ET), Finnish (FI), French Canadian (FC), French European (FR), German (DE), Greek (EL), Hebrew (HE), Hungarian (HU), Italian (IT), Japanese (JA),	

Technical Specifications

Kazakh (KK), Korean (KO), Latvian (LV), Lithuanian (LT), Norwegian (NO), Polish (PL), Portuguese, Brazilian (BR), Portuguese, Iberian (PT), Romanian (RO), Russian (RU), Serbian (SR), Slovak (SK), Slovenian (SL), Spanish, Castilian (ES-ES), Spanish, Latin America (ES-MX), Swedish (SV), Thai (TH)
Turkish (TR), Ukrainian (UK), Vietnamese (VI)

Technical Specifications

© Copyright 2022 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Microsoft and Windows are registered trademarks or trademarks of Microsoft Corporation in the U.S. and/or other countries. ENERGY STAR is a registered trademark owned by the U.S. Environmental Protection Agency.

Summary

Change Log

Change Log			
	V1 to V2		