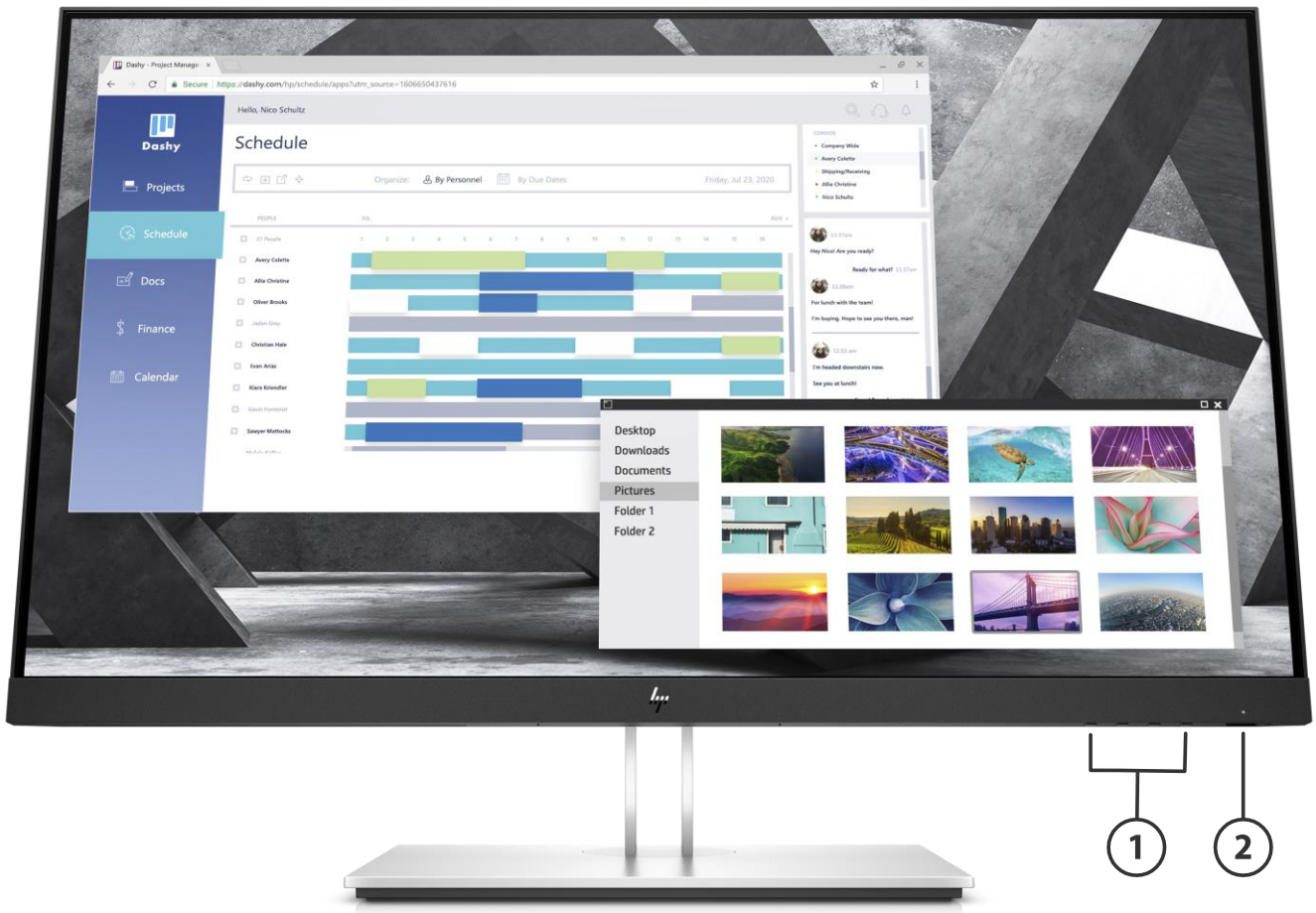
Technical Specifications

HP E27q G4 QHD Monitor



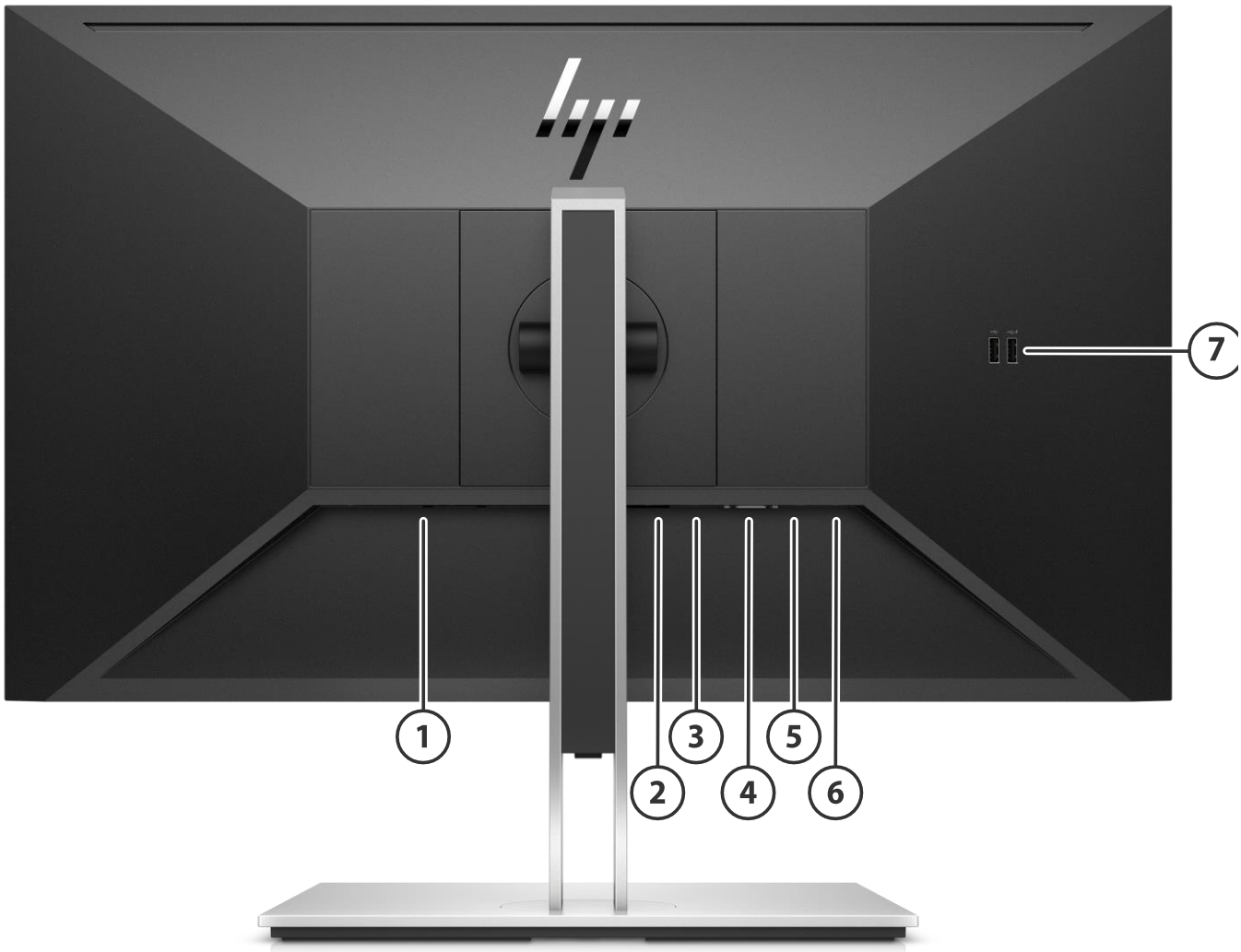
Front

1. OSD Buttons

2. Power Button

Technical Specifications

HP E27q G4 QHD Monitor



Back

1.	Power Connector	**5.**	USB-B Port
2.	DisplayPort™	**6.**	USB-A Ports (2)
3.	HDMI Port	**7.**	USB-A Ports (2)
4.	VGA Port		

Technical Specifications

Models: 9VG82AA

Panel Specifications	**Display Size (Diagonal)**	27-in
	Display Panel Type	IPS
	Micro-Edge Bezel	Yes, 3-sided
	Native Resolution/Timing	2560 x 1440 @60HZ
	Panel Bit Depth	8bit (6bit + FRC)
	Aspect Ratio	16:9
	Brightness - Typical	250 cd/m²
	Static Contrast Ratio - Typical	1000:1
	Static Contrast Ratio - Minimum	700:1
	Dynamic Contrast Ratio (DCR)	5M:1
	Flicker Free	Yes
	Pixel Pitch	0.2331(H) x 0.2331(V) mm
	Pixels Per Inch (PPI)	109
	Backlight Lamp Life (to half brightness - in hours)	30k minimum
	Anti-Glare Panel	Yes
	Response Time - Typical	5ms GtG (with overdrive)
	Horizontal Viewing Angle (typical CR>10)	178°
	Vertical Viewing Angle (typical CR>10)	178°
	Panel Active Area (w x h)	596.736(H) x 335.664(V) mm
	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 @60 HZ 1280 x 1024@60Hz 1440 x 900 @60Hz 1600 x 900 @60Hz 1680 x 1050 @60Hz 1920 x 1080 @60Hz 1920 x 1200 @ 60Hz 2560 x 1080 @60Hz 2560 x 1440 @60Hz
	Maximum Resolution	2560 x 1440 @60Hz
	Recommended Resolution	2560 x 1440 @60Hz
	Vertical Scan Range	50-60 Hz
	Horizontal Scan Range	30-90 kHz
	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	**sRGB**	99% sRGB

Technical Specifications

Color Management	**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, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)
	RGB Channel Adjust	Yes, Gain
Monitor Specifications	**Exterior Color of Monitor Bezel and Stand**	Black head, Silver stand lack
	Plug & Play	Yes
	Tilt	–5° to +20°
	Swivel	+/-45°
	Pivot	+/-90°
	Height Adjustment Range	150 mm
	VESA Mounting	100mm x 100mm
	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
	Monitor Control Buttons or Switches	Menu, Minus ("-")/Information, Plus ("+") /Viewing Mode, OK/Next Active Input, Power
	User-Assignable Function Buttons	Yes, 3 (6 Options)
	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 HDMI 1.4
	VGA	1
	HDCP support	Yes, (DisplayPort™ and HDMI)
USB Port Specifications	**USB Version**	3.2
	USB Hub	Yes
	Downstream Ports	4 Ports
	Upstream Ports	1 USB-B 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	60 W
	Energy Saving/Standby Mode	0.5 W
	Power Consumption - Typical	25 W
	Power cable length	1.9 m

Technical Specifications

EU Energy Efficiency Class (ERP lot-5)	**On-mode Power Consumption**	16 W
	Annual Power Consumption	24 kWh
	Energy Efficiency Class	E
	Visible Screen Size	27" / 68,6 cm Diagonal
Operating Conditions	**Operating Temperature - Celsius**	5º – 35ºC
	Operating Temperature - Fahrenheit	41ºC – 95ºF
	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, 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/NRTL/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
	ENERGY STAR®	Yes, ENERGY STAR® 8
	EPEAT® Registered*	Yes
	China Energy Label	CEL Grade 1
	TCO Certified	Yes
	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.

Contains Recycled Plastics	85% recycled content by total weight

Technical Specifications

		Metric	Imperial
Unit Product/Package Specifications	**Product Dimensions** (Unpacked with stand) (W x D x H)	61.33 x 21.6 x 53.6 cm	24.15 x 8.5 x 121.1 in
	Product Dimensions (Packed) (W x D x H)	69.5x 44.4 x 22.5 cm	27.36 x 17.48 x 8.86 in
	Display Head Dimensions (Unpacked without stand) (W x D x H)	61.33 x 4.7 x 36.61 cm	24.15 x 1.85 x 14.41 in
	Base Area Footprint (w x d mm)	287.97 x 215.97 mm	11.34 x 8.5 in
	Bezel Measurements	Bottom 21.17 mm	
	Product Weight (Unpacked with stand)	(display chin)	Bottom 0.83 in
	Product Weight (Packed)	(display chin)	
	Product Weight (Head Only)	4.5kg	9.92 lb
Software Included	HP Display Center		
What's in the box?	1 HDMI	(1.8 m) 5.9 ft	
	1 DisplayPort™ (DisplayPort™ 1.2)	(1.8 m) 5.9 ft	
	1 USB-A-B cable	(1.8m) 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.	

Copyright © 2021 HP Development Company, L.P.
The information contained herein is subject to change without notice. The only warranties for HP products are set forth in the express limited warranty statements accompanying such products. 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			
January 3, 2021	V1 to V2		Techspecs Updated
February 28, 2021	V2 to V3		Energy Efficiency Class
April 13, 2021	V3 to V4	Update	VESA Mounting Specs
July 30, 2021	V4 to V5	Update	Agency Approvals and Certifications