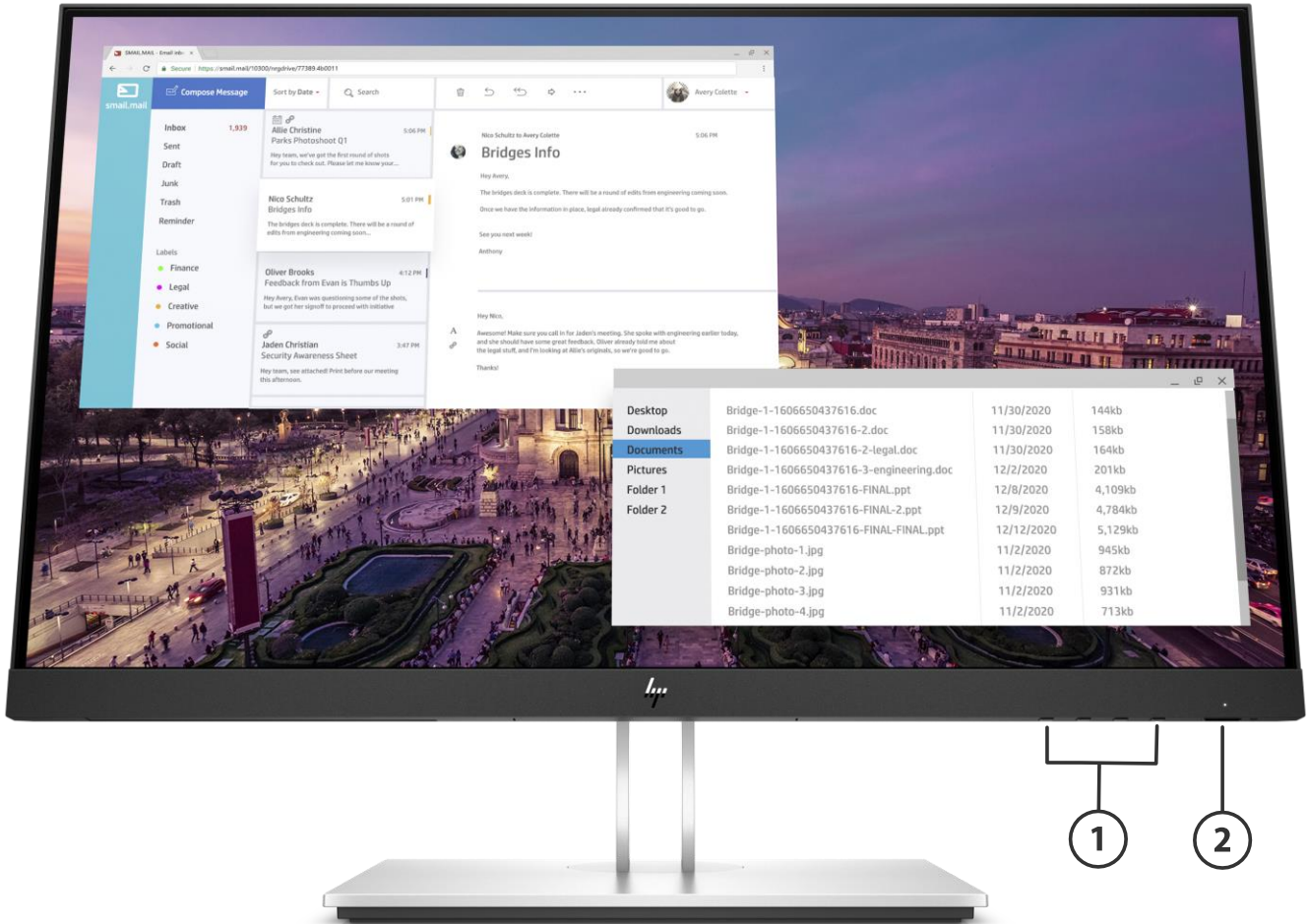


Technical Specifications

HP E23 G4 FHD Monitor



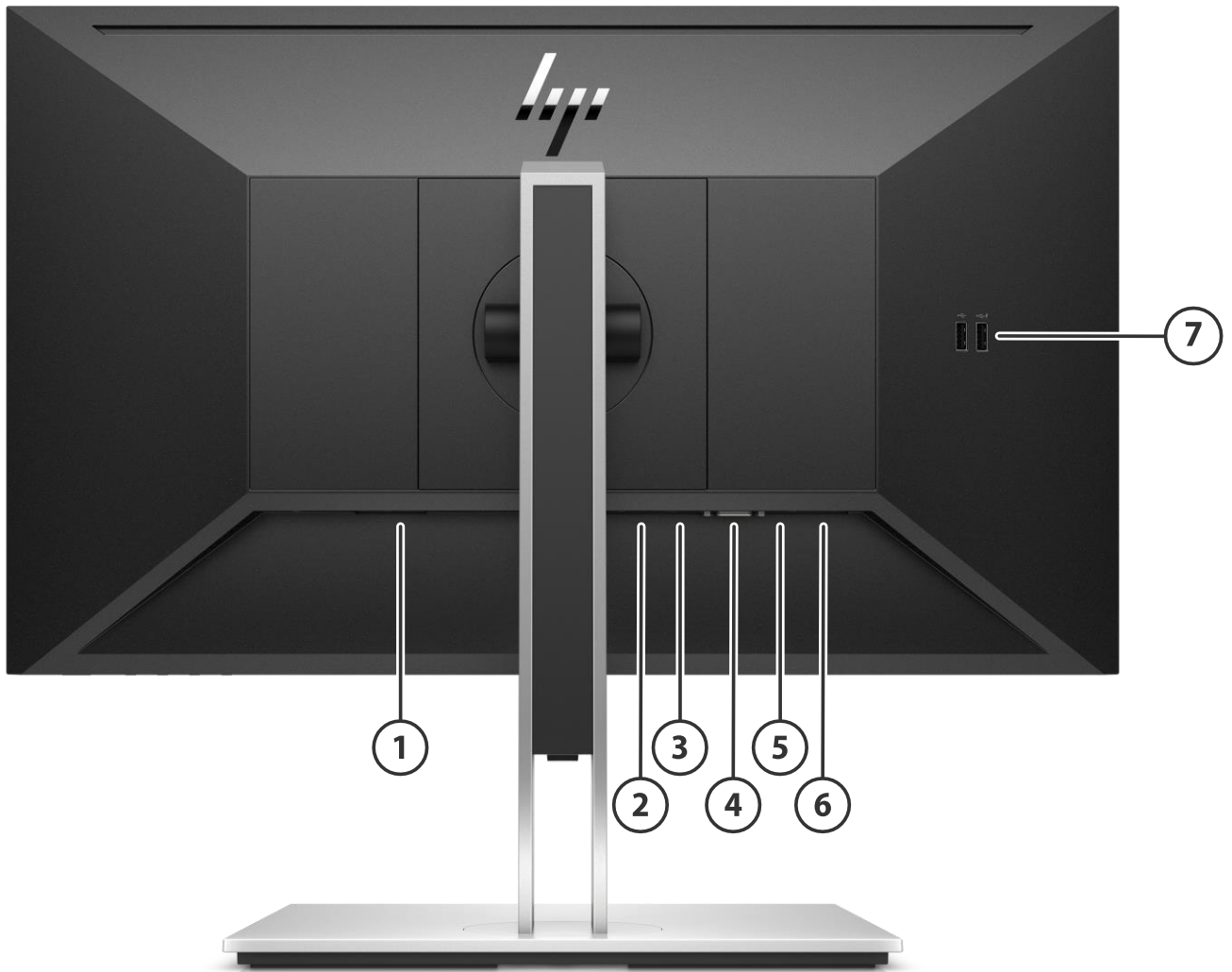
1. OSD Buttons

Front

2. Power Button

Technical Specifications

HP E23 G4 FHD Monitor



Back

1. Power Connector
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: 9VF96AA

Panel Specifications	Display Size (Diagonal)	23-in
	Display Panel Type	IPS
	Micro-Edge Bezel	Yes, 3-sided
	Curved Panel	N/A
	Native Resolution/Timing	1920×1080 @ 60 Hz
	Panel Bit Depth	8bit (6bit + FRC)
	Aspect Ratio	16:9
	Brightness - Typical	250 cd/m ²
	Static Contrast Ratio - Typical	1000:1
	Dynamic Contrast Ratio (DCR)	5,000,000:1
	Flicker Free	Yes
	Pixel Pitch	0.2652(H)mm x 0.2652(V)mm
	Pixels Per Inch (PPI)	96
	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)	509.18mm x 286.42mm
	Preset Graphic Modes/Supported Resolutions	640 x 480 @ 60 Hz 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 1366 x 768 @ 60 Hz 1440 x 900 @ 60 Hz 1600 x 900 @ 60 Hz 1680 x 1050 @ 60 Hz 1920 x 1080 @ 60 Hz
	Maximum Resolution	1920 x 1080 @ 60 Hz
	Recommended Resolution	1920 x 1080 @ 60 Hz
	Vertical Scan Range	50Hz - 60Hz
Horizontal Scan Range	30KHz - 80KHz	
Default Color Temperature	Neutral (6500K)	
Maximum Pixel Clock Speed	170MHz	

*VGA or DisplayPort™ 1.2 or HDMI 1.4 required to drive panel at its native resolution

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	Color Space / Subsampling Support	RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2
	Default Color Temperature	Neutral (6500K)
	Low Blue Light Modes	Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)
	RGB Channel Adjust	Yes, Gain

Technical Specifications

Monitor Specifications	Exterior Color of Monitor Bezel and Stand Plug & Play Tilt Swivel Pivot Height Adjustment Range VESA Mounting Security Lock Ready Detachable Base Warranty	Black head, Silver stand Yes -5° to +23° ±45° ±90° 150 mm Yes, 100mm Yes Yes Based on region
On Screen Display (OSD)	On Screen Display User Controls User Programmable Modes Monitor Control Buttons or Switches User-Assignable Function Buttons Languages	Brightness+, Color, Image, Input, Power, Menu, Management, Information, Exit Yes, 10 Menu/OK, Minus ("-")/Brightness, Plus ("+")/Color, Back/Input, Power Yes, 4 10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
Connector Types	DisplayPort™ HDMI VGA USB-A USB-B HDCP support	1, DisplayPort™ 1.2 1, HDMI1.4 1 4 1 Yes, (DisplayPort™ and HDMI)
Power & Operating Specs	Power Supply Power Source Power Consumption - Maximum Energy Saving Power Consumption - Typical Power cable length	Internal 100 – 240 VAC 50/60 Hz 51 W 0.5 W 26 W 1.9 m
Energy Star Data	Operational Mode at 100 VAC Operational Mode at 115 VAC Operational Mode at 230 VAC	12.72 W 12.75 W 12.61 W
EU Energy Efficiency Class (EC1062)	On-mode Power Consumption (EC 1062/2010) Annual Power Consumption (EC 1062/2010) Energy Efficiency Class (EC 1062/2010)	16 W 24 kWh A+
Operating Conditions	Operating Temperature - Celsius Operating Temperature - Fahrenheit Non-operating Temperature - Celsius Non-operating Temperature - Fahrenheit Operating Humidity Non-operating Humidity Operating Altitude Non-operating Altitude	5° – 35°C 41° – 95°F -34° – 60°C 29° – 140°F 20 – 80% Relative Humidity (non-condensing) 5 – 95% 0 – 5,000 m (16,400 ft.) 0 – 12,192 m (40,000 ft.)

Technical Specifications

Environmental Features and Certifications	Mercury-free LED display backlighting Arsenic-Free Display Glass Low Halogen**	Yes, Mercury-free LED backlighting Yes 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	CE, CB, KC/KCC/NOM/PSB/ICE/TUV-S/ISO 9241-307/ EAC/UL/CSA/PSB/ISC/CCC/CEL/Energy Star/ISC/VCCI/FCC/BSMI/Vietnam MEPS/Australian-New Zealand MEPS/WEEE
	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)

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

**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

Unit Product/Package Specifications	Product Dimensions	<u>Metric</u>	<u>Imperial</u>
	(Unpacked with stand) (W x D x H)	52.16 x 20.7 x 48.98 cm	20.54 x 8.15 x 19.28 in
	Product Dimensions (Packed) (W x D x H)	58.1 x 22.3 x 37.2 cm	22.87 x 8.78 x 14.65 in
	Display Head Dimensions (Unpacked without stand) (W x D x H)	52.16 x 4.7 x 31.31 cm	20.54 x 1.85 x 12.33 in
	Base Area Footprint (w x d mm)	260 x 207 mm	10.24 x 8.15 in
	Bezel Measurements	Bottom 19.49 mm	Bottom 0.77 in
	Product Weight (Unpacked with stand)	5.4 kg	11.9 lb
	Product Weight (Packed)	8.0 kg	17.6 lb
	Product Weight (Head Only)	3.12 kg	6.87 lb

Software Included HP Display Center

What's in the box?
AC Power Cord (1.8m) 5.9 ft
HDMI Cable (1.8m) 5.9 ft
DP Cable (1.8m) 5.9 ft
USB-B to A cable (1.8m) 5.9 ft

Technical Specifications

**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.

Technical Specifications

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Summary

Change Log			
January 3, 2021	V1 to V2		Techspecs updated