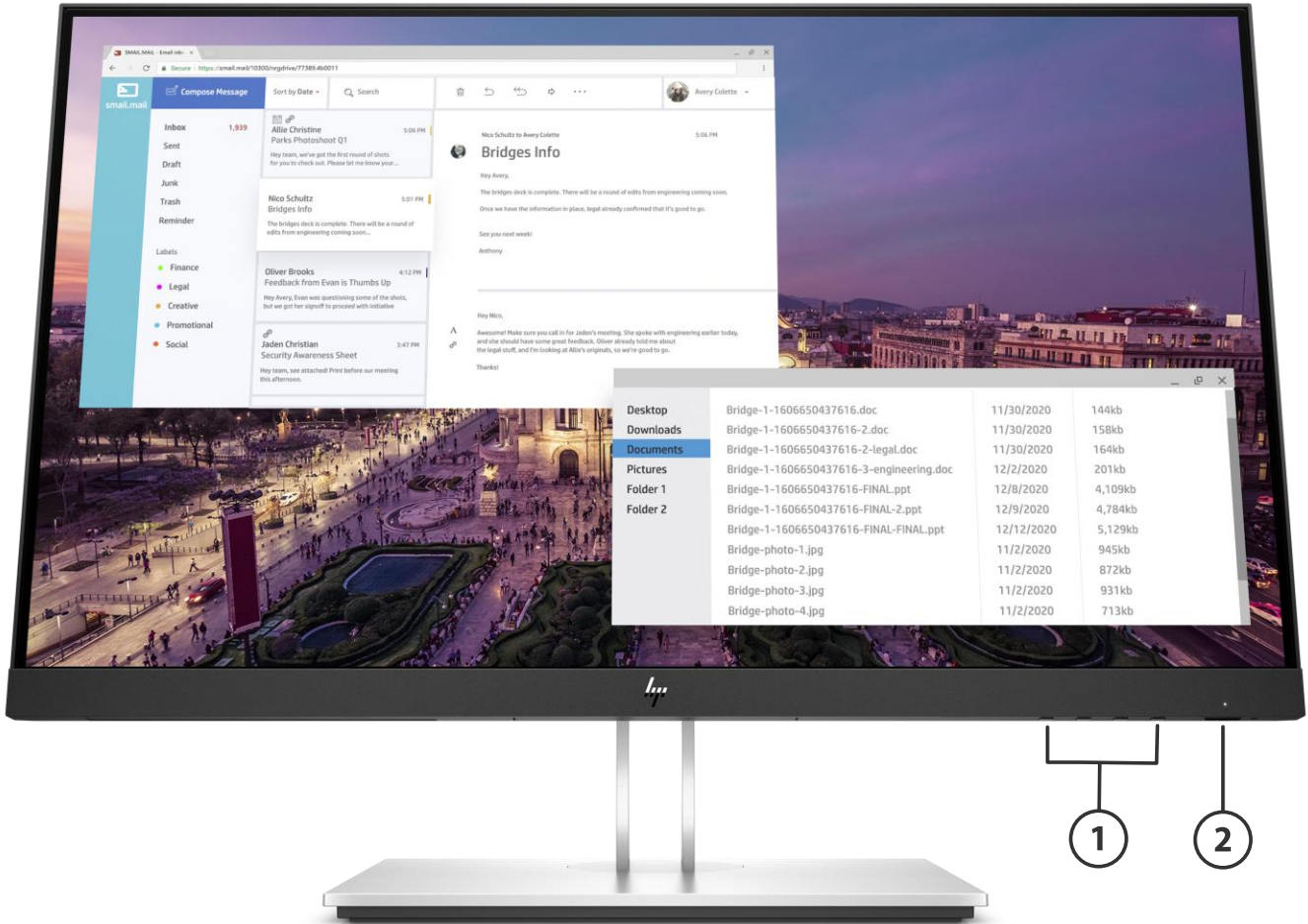


Technical Specifications

HP E23 G4 FHD Monitor



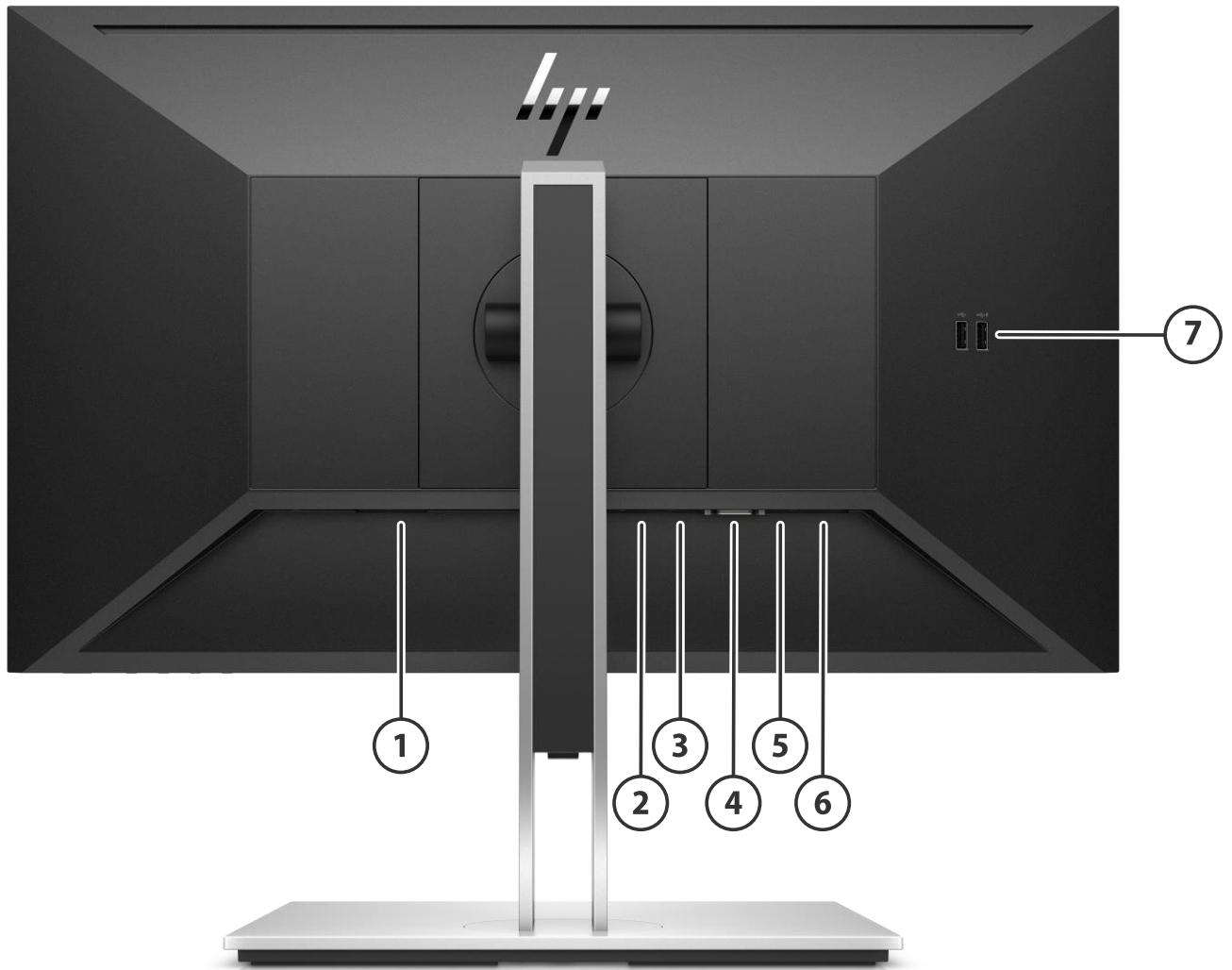
1. OSD Buttons

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	<p>Display Size (Diagonal) 23-in</p> <p>Display Panel Type IPS</p> <p>Micro-Edge Bezel Yes, 3-sided</p> <p>Curved Panel N/A</p> <p>Native Resolution/Timing 1920×1080 @ 60 Hz</p> <p>Panel Bit Depth 8bit (6bit + FRC)</p> <p>Aspect Ratio 16:9</p> <p>Brightness - Typical 250 cd/m²</p> <p>Static Contrast Ratio - Typical 1000:1</p> <p>Dynamic Contrast Ratio (DCR) 5,000,000:1</p> <p>Flicker Free Yes</p> <p>Pixel Pitch 0.2652(H)mm x 0.2652(V)mm</p> <p>Pixels Per Inch (PPI) 96</p> <p>Backlight Lamp Life (to half brightness - in hours) 30k minimum</p> <p>Anti-Glare Panel Yes</p> <p>Response Time - Typical 5ms GtG (with overdrive)</p> <p>Horizontal Viewing Angle (typical CR>10) 178°</p> <p>Vertical Viewing Angle (typical CR>10) 178°</p> <p>Panel Active Area (w x h) 509.18mm x 286.42mm</p> <p>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</p> <p>Maximum Resolution 1920 x 1080 @ 60 Hz</p> <p>Recommended Resolution 1920 x 1080 @ 60 Hz</p> <p>Vertical Scan Range 50Hz - 60Hz</p> <p>Horizontal Scan Range 30KHz - 80KHz</p> <p>Default Color Temperature Neutral (6500K)</p> <p>Maximum Pixel Clock Speed 170MHz</p> <p><i>*VGA or DisplayPort™ 1.2 or HDMI 1.4 required to drive panel at its native resolution</i></p>
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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	<p>Color Space / Subsampling Support RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2</p> <p>Default Color Temperature Neutral (6500K)</p> <p>Low Blue Light Modes Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)</p> <p>RGB Channel Adjust Yes, Gain</p>	

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 100mm x 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 (ERP lot-5)	On-mode Power Consumption Annual Power Consumption Energy Efficiency Class	16 W 24 kWh E
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 Mercury-free LED display backlighting	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.) Yes, Mercury-free LED backlighting

Technical Specifications

Environmental Features and Certifications	Arsenic-Free Display Glass Low Halogen**	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/Energy Star/ISC/VCCI/FCC/BSMI/Vietnam MEPS/Australian-New Zealand MEPS/WEEE
	Microsoft WHQL Certification ENERGY STAR® EPEAT® Registered* China Energy Label	Win 10, Win 8, Win 7 Yes, ENERGY STAR® 8 Yes CEL Grade 1*
	TCO Certified SmartWay Transport Partnership - NA only	*Monitors produced before June 1st 2024 comply with China regulation GB 21520-2015. Yes 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	Metric	Imperial
	(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 12.33in
	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
February 28, 2021	V2 to V3		Energy Efficiency Class
April 13, 2021	V3 to V4	Update	VESA Mounting Specs
May 17, 2024	V4 to V5	Remove	CEL and CECP
May 30, 2024	V5 to V6	Added	CEL and disclaimer