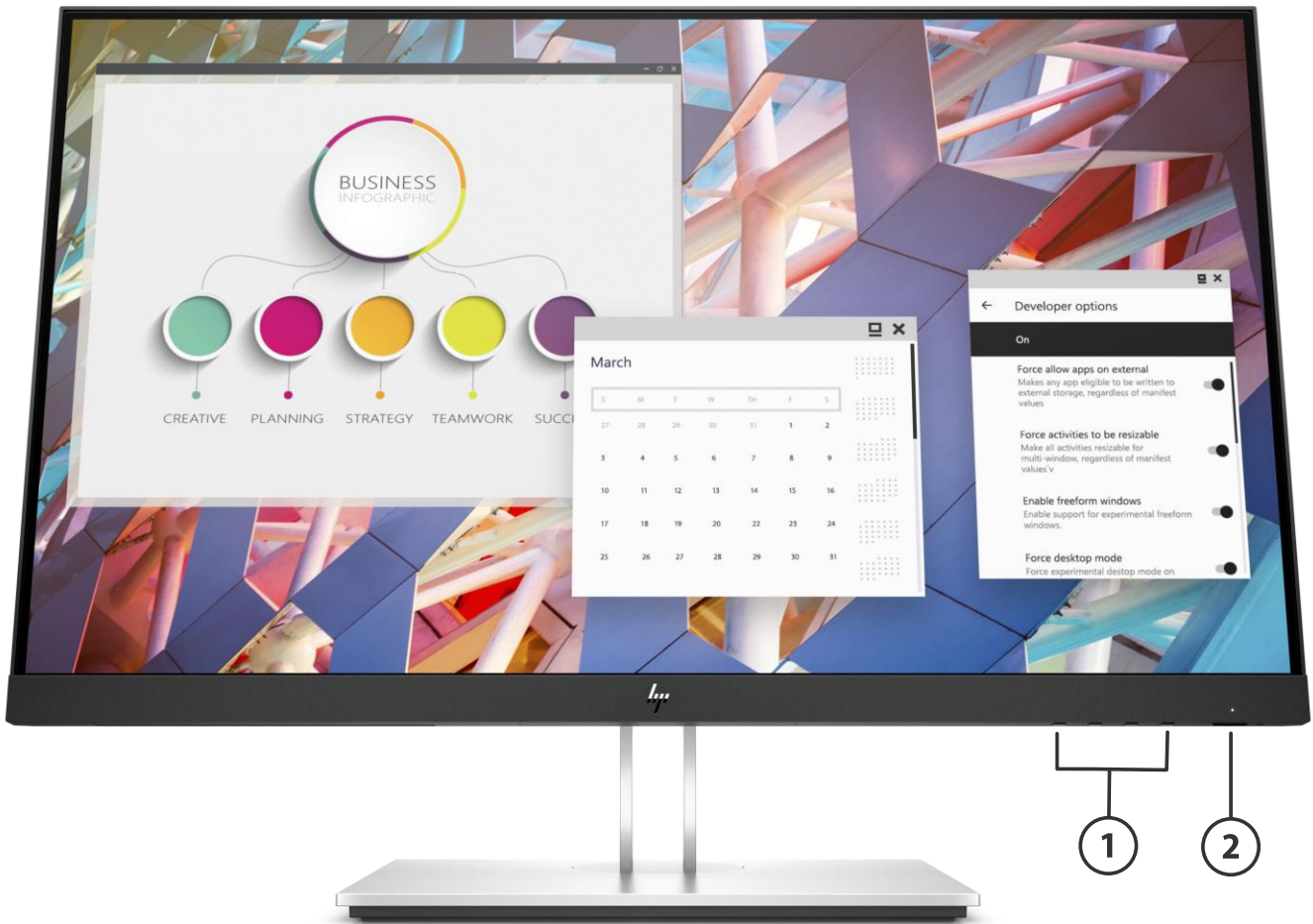


### Technical Specifications

#### HP E24 G4 FHD Monitor



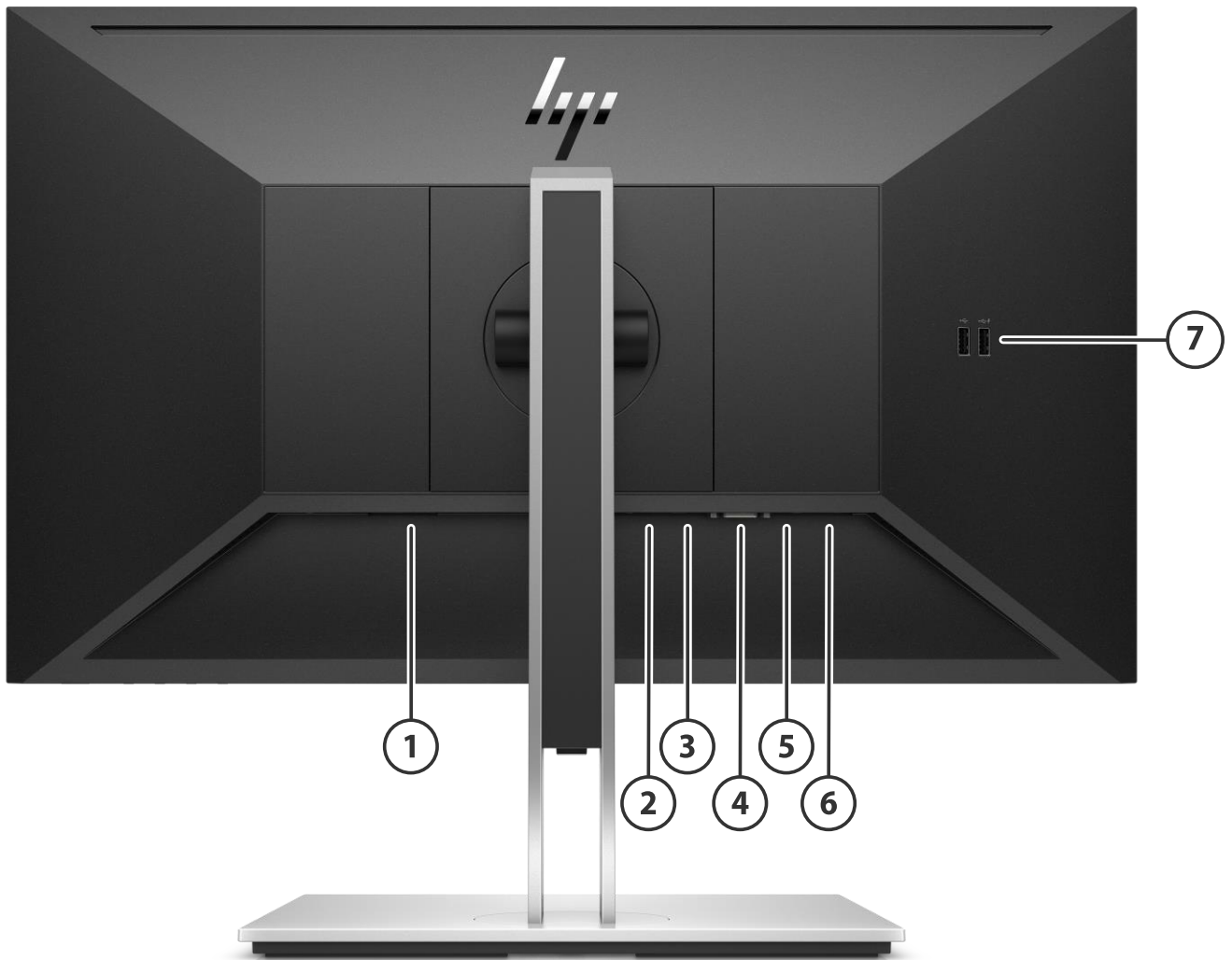
#### Front

1. OSD Buttons

2. Power Button

### Technical Specifications

#### HP E24 G4 FHD Monitor



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

#### Back

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

### Technical Specifications

**Models:** 9VF99AA

<b>Panel Specifications</b>	<b>Display Size (Diagonal)</b>	23.8-in
	<b>Display Panel Type</b>	IPS
	<b>Micro-Edge Bezel</b>	Yes, 3-sided
	<b>Native Resolution/Timing</b>	1920 x 1080 @60Hz
	<b>Panel Bit Depth</b>	8bit (6bit + FRC)
	<b>Aspect Ratio</b>	16:9
	<b>Brightness - Typical</b>	250 cd/m <sup>2</sup>
	<b>Static Contrast Ratio - Typical</b>	1000:1
	<b>Static Contrast Ratio - Minimum</b>	700:1
	<b>Dynamic Contrast Ratio (DCR)</b>	5M:1
	<b>Flicker Free</b>	Yes
	<b>Pixel Pitch</b>	0.2745 (H) × 0.2745(V)
	<b>Pixels Per Inch (PPI)</b>	92.5
	<b>Backlight Lamp Life (to half brightness - in hours)</b>	30k minimum
	<b>Anti-Glare Panel</b>	Yes
	<b>Response Time - Typical</b>	5ms GtG (with overdrive)
	<b>Horizontal Viewing Angle (typical CR&gt;10)</b>	178°
	<b>Vertical Viewing Angle (typical CR&gt;10)</b>	178°
	<b>Panel Active Area (w x h)</b>	527.04(H) × 296.46(V) mm
	<b>Preset Graphic Modes/Supported Resolutions</b>	640 × 480 @60Hz 720 × 400 @70Hz 800 × 600 @60Hz 1024 × 768 @60Hz 1280 × 720 @60Hz 1280 x 800 @60 HZ 1280 × 1024@60Hz 1440 × 900 @60Hz 1600 × 900 @60Hz 1680 × 1050 @60Hz 1920 × 1080 @60Hz
	<b>Maximum Resolution</b>	1920 × 1080 @60Hz
	<b>Recommended Resolution</b>	1920 × 1080 @60Hz
	<b>Vertical Scan Range</b>	50-60Hz
	<b>Horizontal Scan Range</b>	30-80kHz
	<b>Default Color Temperature</b>	Neutral (6500K)
	<b>Maximum Pixel Clock Speed</b>	170MHz

**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

### Technical Specifications

	<b>Default Color Temperature</b>	Neutral (6500 K)
	<b>Low Blue Light Modes</b>	Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)
	<b>RGB Channel Adjust</b>	Yes
	<b>Factory Color Calibrated</b>	Yes (Color Temperature)
	<b>Factory Color Presets</b>	Warm - 5000K, Neutral - 6500K, Cool - 9300K
<b>Monitor Specifications</b>	<b>Exterior Color of Monitor Bezel and Stand</b>	Black head, Silver stand
	<b>Plug &amp; Play</b>	Yes
	<b>Tilt</b>	-5° to +23°
	<b>Swivel</b>	+/-45°
	<b>Pivot</b>	+/-90°
	<b>Height Adjustment Range</b>	150mm
	<b>VESA Mounting</b>	100mm x 100mm
	<b>Security Lock Ready</b>	Yes
	<b>Detachable Base</b>	Yes, ships detached
	<b>Warranty</b>	Based on region
<b>On Screen Display (OSD)</b>	<b>On Screen Display User Controls</b>	Brightness+, Color, Image, Input, Power, Menu, Management, Information
	<b>Monitor Control Buttons or Switches</b>	Menu, Minus ("-")/Information, Plus ("+") /Viewing Mode, OK/Next Active Input, Power
	<b>User-Assignable Function Buttons</b>	Yes, 3 (6 Options)
	<b>Languages</b>	10 (German, Dutch, T-Chinese and S-Chinese, English, Spanish, French, Italian, Japanese, Portuguese)
<b>Connector Types</b>	<b>DisplayPort™</b>	1 DisplayPort™ 1.2 in
	<b>HDMI</b>	1 HDMI1.4
	<b>VGA</b>	1
	<b>HDCP support</b>	Yes, (DisplayPort™ and HDMI)
<b>USB Port Specifications</b>	<b>USB Version</b>	3.2
	<b>USB Hub</b>	Yes
	<b>Downstream Ports</b>	4 Ports
	<b>Upstream Ports</b>	1 USB-B port
	<b>Fast Charging USB Ports</b>	1 Port (Side) (USB-A)
	<b>Power Output Maximum</b>	Fast Charging: 7.5 W
<b>Special Features</b>	<b>User Presets</b>	Yes
	<b>User Updateable Firmware</b>	Yes
<b>Power &amp; Operating Specs</b>	<b>Power Supply</b>	Internal
	<b>Power Source</b>	100 – 240 VAC 50/60 Hz
	<b>Power Consumption - Maximum</b>	51 W

### Technical Specifications

	<b>Energy Saving/Standby Mode</b>	0.5 W
	<b>Power Consumption - Typical</b>	26 W
	<b>Power cable length</b>	1.9 m
<b>EU Energy Efficiency Class (ERP lot-5)</b>	<b>On-mode Power Consumption</b>	14 W
	<b>Annual Power Consumption</b>	26 kWh
	<b>Energy Efficiency Class</b>	D
	<b>Visible Screen Size</b>	23.8" / 60,5 cm Diagonal
<b>Operating Conditions</b>	<b>Operating Temperature - Celsius</b>	5° – 35°C
	<b>Operating Temperature - Fahrenheit</b>	41°C – 95°F
	<b>Non-operating Temperature - Celsius</b>	–34° – 60°C
	<b>Non-operating Temperature - Fahrenheit</b>	–29° – 140°F
	<b>Operating Humidity</b>	20 – 80% Relative Humidity (non-condensing)
	<b>Non-operating Humidity</b>	5 – 95%
	<b>Operating Altitude</b>	0 – 5,000 m (16,400 ft.)
	<b>Non-operating Altitude</b>	0 – 12,192 m (40,000 ft.)
<b>Environmental Features and Certifications</b>	<b>Mercury-free LED display backlighting</b>	Yes, Mercury-free LED backlighting
	<b>Arsenic-Free Display Glass</b>	Yes
	<b>Low Halogen*</b>	Yes GSE HP-00011-01B, table 2 defines low-halogen (BFR, CFR, PVC)
	<b>Agency Approvals and Certifications</b>	WW application 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
	<b>Microsoft WHQL Certification</b>	Win 11, Win 10, Win 8, Win 7
	<b>ENERGY STAR®</b>	Yes, ENERGY STAR® 8
	<b>EPEAT® Registered*</b>	Yes
	<b>TCO Certified</b>	Yes
	<b>China Energy Label</b>	CEL Grade 2* <a href="#">*Monitors produced from June 2024 comply with China regulation GB 21520-2023.</a>
	<b>SmartWay Transport Partnership - NA only</b>	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.

### Technical Specifications

	<b>Contains Recycled Plastics</b>	85% recycled content by total weight	
<b>Unit Product/Package Specifications</b>	<b>Product Dimensions</b> (Unpacked with stand) (W x D x H)	53.94 x 20.7 x 49.49 cm	21.24 x 8.15 x 19.48 in
	<b>Product Dimensions (Version 1)</b> (Packed) (W x D x H)	61.1 x 22.3 x 39.2 cm	24.06 x 8.78 x 15.43 in
	<b>Product Dimensions (Version 2)</b> (Packed) (W x D x H)	61.8 x 18.8 x 38.7 cm	24.33 x 7.4 x 15.24 in
	<b>Display Head Dimensions</b> (Unpacked without stand) (W x D x H)	53.94 x 4.7 x 32.33 cm	21.24 x 1.85 x 12.73 in
	<b>Base Area Footprint</b> (w x d mm)	260 x 207 mm	10.24 x 8.15 in
	<b>Bezel Measurements</b>	Bottom 19.59 mm (display chin)	Bottom 0.77 in (display chin)
	<b>Product Weight</b> (Unpacked with stand)	5.7 kg	12.54 lb
	<b>Product Weight (Version 2021)</b> (Packed)	8.4 kg	18.5 lb
	<b>Product Weight (Version 2022)</b> (Packed)	8.2kg	18.1lb
	<b>Product Weight</b> (Head Only)	3.27 kg	7.21 lb
<b>Pallet Information (Version 1)</b>	<b>Pallet Dimensions</b> (L x W x H)	1230 x 1150 x 2089 mm	48.43 x 45.28 x 82.24 in
	<b>Pallet Total Weight</b> (L x W x H)	40" GQ: 384 kg	40" GQ: 847 lbs
		40" HQ: 476 kg	40" HQ: 1050 lbs
	<b>Pallet Layers</b>	GQ: 4	
		HQ: 5	
	<b>Pallet Product per Layer</b>	10	
	<b>Total Products per Pallet</b>	50	
<b>Container Load, 20-Foot</b>	460		
<b>Container Load, 40-Foot</b>	960		
<b>Container Load, 40-Foot HighQ</b>	1152		
<b>Pallet Information (Version 2)</b>	<b>Pallet Dimensions</b> (L x W x H)	Slip Sheet: 1250 x 1150 x 2336.2 mm (40' HQ)	Slip Sheet: 49.21 x 45.28 x 91.98 inch (40' HQ)
		Pallet: 1250 x 1150 x 2064 mm (40' ft)	Pallet: 49.21 x 45.28 x 81.26 inch (40' ft)
	<b>Pallet Total Weight</b> (L x W x H)	Slip Sheet: 592 kg (40' HQ)	Slip Sheet: 1305.12 lb (40' HQ)
		Pallet: 512.5 kg (40' ft)	Pallet: 1129.86 lb (40' ft)
	<b>Pallet Layers</b>	6 layers (40' HQ)	
		5 layers (40' ft)	
	<b>Pallet Product per Layer</b>	12 per layer	
	<b>Total Products per Pallet</b>	72 sets (40'HQ)	
	<b>Container Load, 20-Foot</b>	60 sets (40' ft)	
		480 sets for pallet or slipsheet	

### Technical Specifications

	<b>Container Load, 40-Foot</b>	1080 sets sets for pallet or slipsheet
	<b>Container Load, 40-Foot HighQ</b>	1296 sets for pallet or slipsheet
<b>Software Included</b>	HP Display Center	
<b>What's in the box?</b>	1 HDMI	(1.8 m) 5.9 ft
	1 DisplayPort™ (DisplayPort™ 1.2)	(1.8 m) 5.9 ft
	1 Power Cord	(1.9 m) 6.2 ft
	1 USB-B to A cable	(1.8 m) 5.9 ft
	1 QSP	
	1 Doc-Kit	
<b>User Guide and Warranty Languages</b>	<b>User Guide Languages</b>	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.
	<b>Warranty Languages</b>	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

<b>Change Log</b>			
January 3, 2021	V1 to V2		Techspecs Updated
February 28, 2021	V2 to V3		Energy Efficiency Class Updated
April 13, 2021	V3 to V4		VESA Mounting Specs
June 28, 2022	V4 to V5		Agency Approvals and Certifications Updated
April 12, 2023	V5 to V6	Updated	Color Management section
December 20, 2023	V6 to V7	Added	Windows 11
April 29, 2024	V7 to V8	Updated	China Energy Label