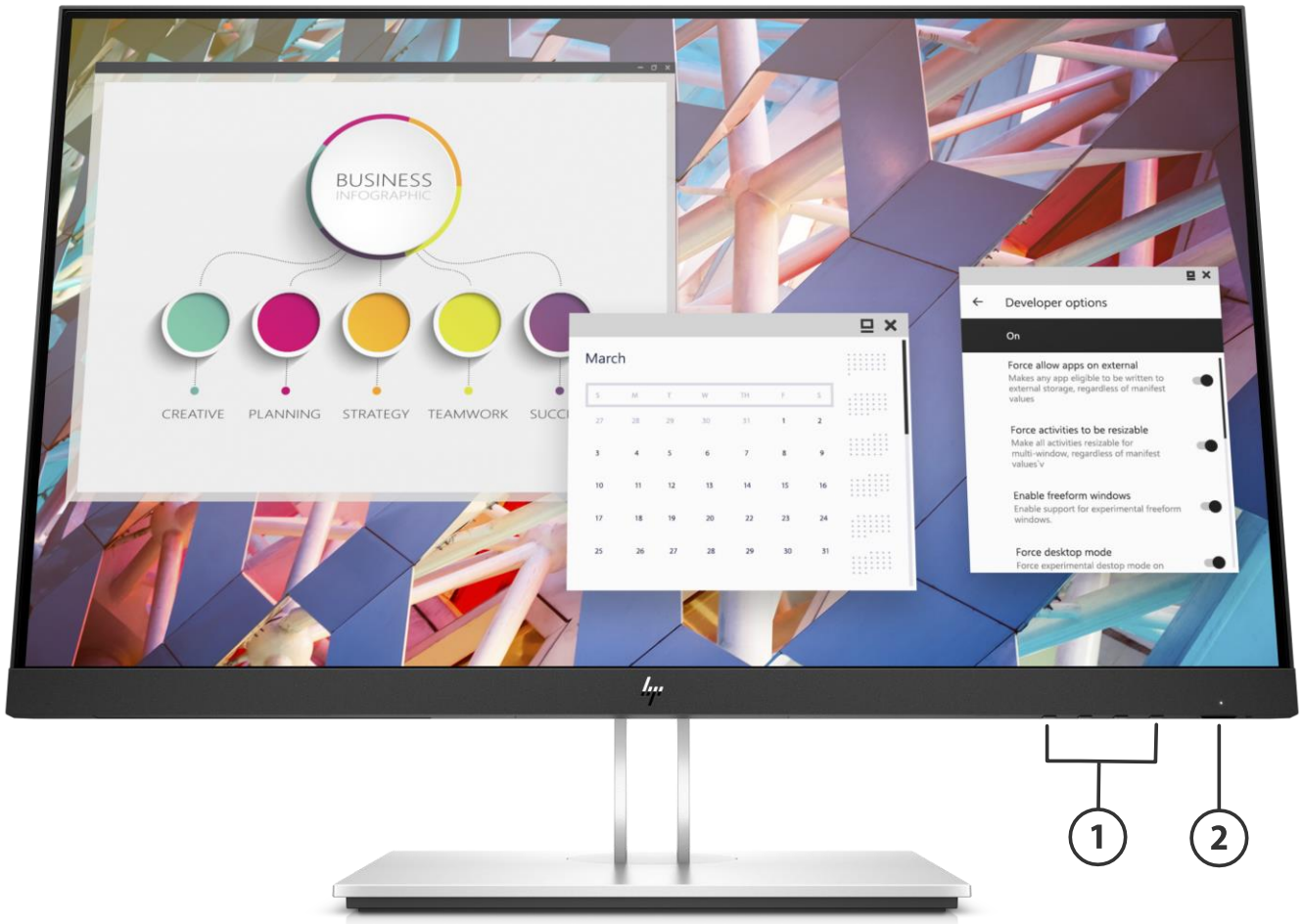
Technical Specifications

HP E24 G4 FHD Monitor



Front

1. OSD Buttons

2. Power Button

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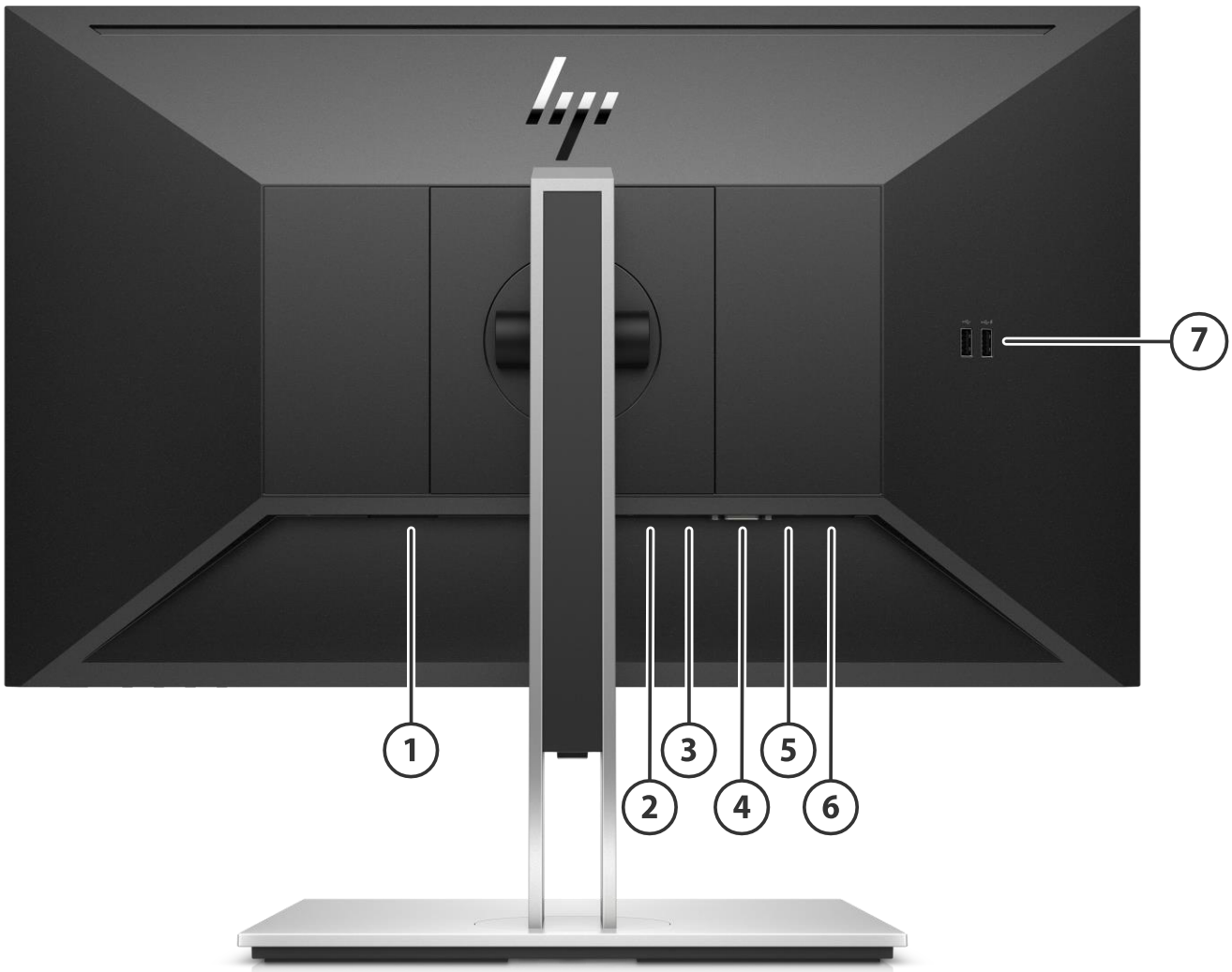

Back

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		

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Models: 9VF99AA

Panel Specifications	**Display Size (Diagonal)**	23.8-in
	Display Panel Type	IPS
	Micro-Edge Bezel	Yes, 3-sided
	Native Resolution/Timing	1920 x 1080 @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	0.2745 (H) × 0.2745(V)
	Pixels Per Inch (PPI)	92.5
	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)	527.04(H) × 296.46(V) mm
	Preset Graphic Modes/Supported Resolutions	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
	Maximum Resolution	1920 × 1080 @60Hz
	Recommended Resolution	1920 × 1080 @60Hz
	Vertical Scan Range	50-60Hz
	Horizontal Scan Range	30-80kHz
	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	**NTSC**	72%
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
Monitor Specifications	**Exterior Color of Monitor Bezel and Stand**	Black head, Silver stand
	Plug & Play	Yes
	Tilt	–5° to +23°

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	Swivel	+/-45°
	Pivot	+/-90°
	Height Adjustment Range	150mm
	VESA Mounting	Yes, 100 mm
	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 HDMI1.4
	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 Port (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	51 W
	Energy Saving/Standby Mode	0.5 W
	Power Consumption - Typical	26 W
	Power cable length	1.9 m
EU Energy Efficiency Class (EC1062)	**On-mode Power Consumption (EC 1062/2010)**	14 W
	Annual Power Consumption (EC 1062/2010)	26 kWh
	Energy Efficiency Class (EC 1062/2010)	A+
	Visible Screen Size	23.8" / 60,5 cm Diagonal
Operating Conditions	**Operating Temperature - Celsius**	5° – 35°C
	Operating Temperature - Fahrenheit	41°C – 95°F
	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.)

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	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/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	
	Microsoft WHQL Certification	Win 10, Win 8, Win 7	
	ENERGY STAR®	Yes, ENERGY STAR® 8	
	EPEAT® Registered*	Yes	
	TCO Certified	Yes	
	China Energy Label	CEL Grade 1	
	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	
Unit Product/Package Specifications	**Product Dimensions** (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
	Product Dimensions (Packed) (W x D x H)	61.1 x 22.3 x 39.2 cm	24.06 x 8.78 x 15.43 in
	Display Head Dimensions (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
	Base Area Footprint (w x d mm)	260 x 207 mm	10.24 x 8.15 in
	Bezel Measurements	Bottom 19.59 mm (display chin)	Bottom 0.77 in (display chin)
	Product Weight (Unpacked with stand)	5.7 kg	12.54 lb
	Product Weight (Packed)	8.4 kg	18.5 lb
	Product Weight (Head Only)	3.27 kg	7.21 lb
Pallet Information	**Pallet Dimensions** (L x W x H)	1230 x 1150 x 2089 mm	48.43 x 45.28 x 82.24 in
	Pallet Total Weight (L x W x H)	40" GQ: 384 kg 40" HQ: 476 kg	40" GQ: 847 lbs 40" HQ: 1050 lbs
	Pallet Layers	GQ: 4 HQ: 5	
	Pallet Product per Layer	10	
	Total Products per Pallet	50	

Technical Specifications

	Container Load, 20-Foot	460
	Container Load, 40-Foot	960
	Container Load, 40-Foot HighQ	1152
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 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	
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.

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Summary

Change Log			
January 3, 2021	V1 to V2		Techspecs Updated