QuickSpecs

Technical Specifications

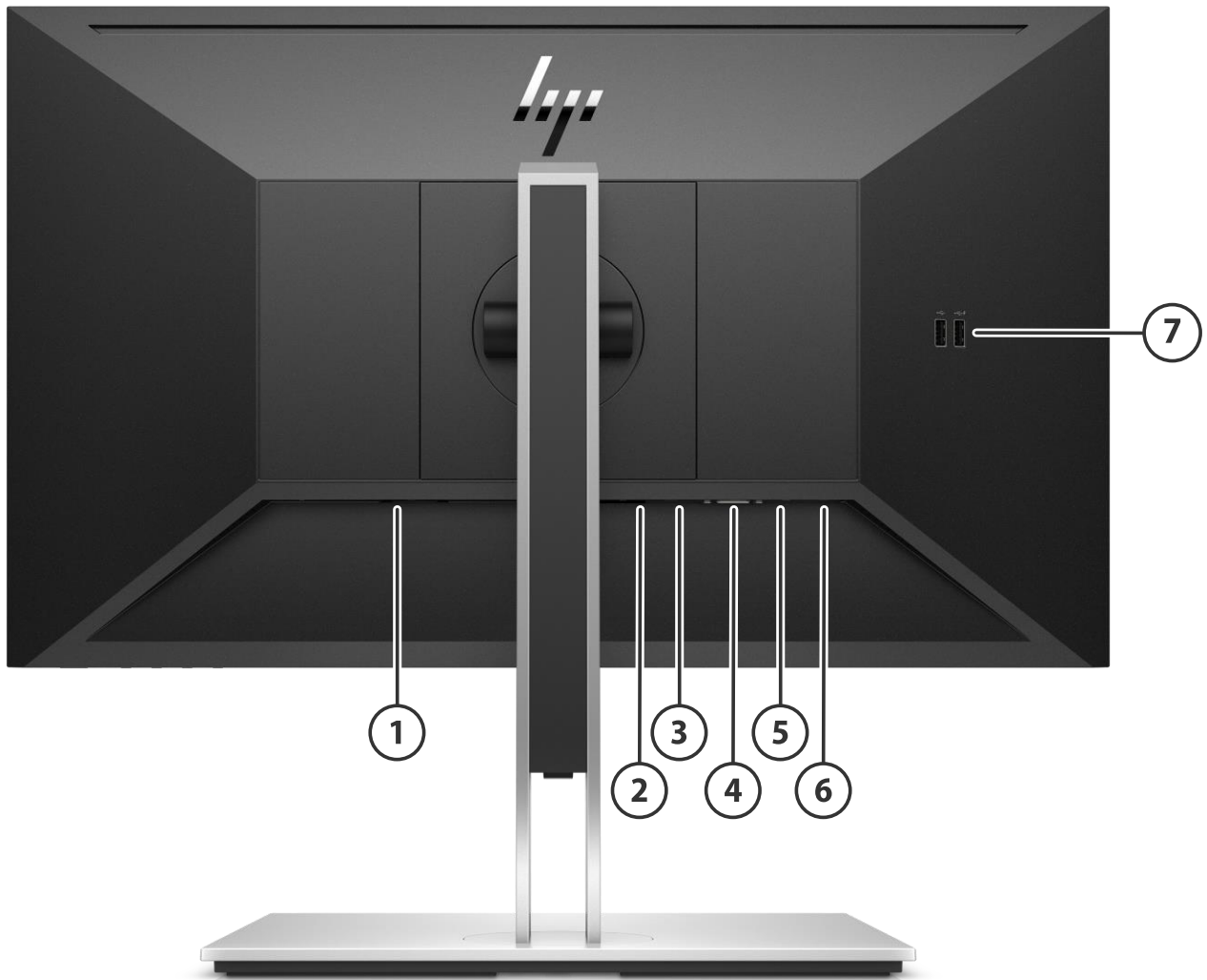**HP E24t G4 FHD Touch Monitor**

Front

1.	OSD Buttons	**2.**	Power Button

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HP E24t G4 FHD Touch 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: 9VH85AA

Panel Specifications	**Display Size (Diagonal)**	23.8-in
	Display Panel Type	IPS
	Micro-Edge Bezel	Yes, 3-sided
	Native Resolution/Timing	1920×1080 @ 60 Hz
	Panel Bit Depth	8bit (6bit + FRC)
	Aspect Ratio	16:9
	Brightness - Typical	300 cd/m²
	Static Contrast Ratio - Typical	1000:1
	Dynamic Contrast Ratio (DCR)	5,000,000:1
	Flicker Free	Yes
	Pixel Pitch	0.2058(H)mm x 0.2058(V)mm
	Pixels Per Inch (PPI)	123
	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°
	Touch-Enable	Yes
	Panel Active Area (w x h)	526.85 mm x 296.35 mm
	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 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
	Factory Color Calibrated	Yes (Color Temperature)

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	Factory Color Presets	Warm - 5000K, Neutral - 6500K, Cool - 9300K
Monitor Specifications	Positional Accuracy	≤±1mm @ center, ≤2mm (Edge~ 3.5mm)
	Resolution Accuracy	1920 x 1080
	Touch Panel Type	Up to 10 Point Advanced In-Cell Touch, Self-Capacitive
	Exterior Color of Monitor Bezel and Stand	Black head, Silver stand
	Plug & Play	Yes
	Tilt	−5° to +23°
	Swivel	±45°
	Pivot	±90°
	Height Adjustment Range	150 mm
	VESA Mounting	100mm x 100mm
	Security Lock Ready	Yes
	Detachable Base	Yes
	Warranty	Based on region
On Screen Display (OSD)	On Screen Display User Controls	Brightness+, Color, Image, Input, Power, Menu, Management, Information, Exit
	User Programmable Modes	Yes, 10
	Monitor Control Buttons or Switches	Menu/OK, Minus ("-")/Brightness, Plus ("+")/Color, Back/Input, Power
	User-Assignable Function Buttons	Yes, 4
	Languages	10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
Connector Types	DisplayPort™	1, DisplayPort™ 1.2
	HDMI	1, HDMI1.4
	VGA	1
	USB-A	4
	USB-B	1
	HDCP support	Yes, (DisplayPort™ and HDMI)
USB Port Specifications	USB version	3.2
	USB Hub	Yes
	Downstream Ports	4 Ports
	Upstream Ports	1 Ports
Power & Operating Specs	Power Supply	Internal
	Power Source	100 – 240 VAC 50/60 Hz
	Power Consumption - Maximum	52 W
	Energy Saving	0.5 W
	Power Consumption - Typical	25 W
	Power cable length	1.9 m
Energy Star Data	Operational Mode at 100 VAC	12.28 W
	Operational Mode at 115 VAC	12.25 W
	Operational Mode at 230 VAC	12.43 W
EU Energy Efficiency Class (ERP lot-5)	On-mode Power Consumption	13 W
	Annual Power Consumption	18 kWh
	Energy Efficiency Class	E

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Technical Specifications

Operating Conditions	Operating Temperature - Celsius	5° – 35°C
	Operating Temperature - Fahrenheit	41° -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.)
	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)
	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
	EPEAT® 2019 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	

		Metric	**Imperial**
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 x 22.5 x 39.5 cm	24.02 x 8.86 x 15.55 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 19.66 mm	Bottom 00.77 in
	Product Weight (Unpacked with stand)	5.8 kg	12.8 lb
	Product Weight (Packed)	8.7 kg	19.2 lb
	Product Weight (Head Only)	3.4 kg	7.5 lb

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Display Management Software	HP Display Center
What's in the box?	AMS: AC Power Cord (1.8m) 5.9 ft, HDMI Cable (1.8m) 5.9 ft, DP Cable (1.8m) 5.9 ft, 1 USB cable LA: AC Power Cord (1.8m) 5.9 ft, HDMI Cable (1.8m) 5.9 ft, DP Cable (1.8m) 5.9 ft, 1 USB cable APJ (exclude Japan): AC Power Cord (1.8m) 5.9 ft, HDMI Cable (1.8m) 5.9 ft, 1 USB cable APJ Japan: AC Power Cord (1.8m) 5.9 ft, HDMI Cable (1.8m) 5.9 ft, DP Cable (1.8m) 5.9 ft, 1 USB cable EMEA: AC Power Cord (1.8m) 5.9 ft, HDMI Cable (1.8m) 5.9 ft, 1 USB cable

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

Summary

Change Log			
January 3, 2021	V1 to V2		Techspecs Updated
January 28, 2021	V2 to V3		What's in the box Updated
February 28,2021	V3 to V4		Energy Efficiency Class
March 16, 2021	V4 to V5	Added	Positional Accuracy, Resolution Accuracy and USB Port specs
April 13, 2021	V5 to V6	Update	VESA Mounting Specs
April 13, 2023	V7 to V8	Updated	Color Management section
	V8 to V9		