

Overview

HP EliteDisplay E230t 23-inch Touch Monitor



- 1. Menu:** Opens, selects or exits the OSD menu.
- 2. Minus "-":** If the OSD menu is on, press to navigate backward through the OSD menu and decrease adjustment levels.
- 3. Plus "+/Input:** Select input source. If the OSD menu is on, press to navigate forward through the OSD menu and increase adjustment levels.
- 4. OK/Auto:** If the OSD menu is on, press to select the highlighted menu item. If the OSD menu is inactive, press to activate the auto adjustment feature to optimize the screen image.
- 5. Power/Power LED:** fully powered = green; sleep mode = amber; sleep timer mode = flashing amber.



Use two HP EliteDisplay E230t monitors with an HP Adjustable Dual Display Stand (AW664AA) for a small footprint, high productivity work solution.

(Multi-monitor support depends on your PC capability.
Monitors, stands, keyboard, mouse and notebook are sold separately.)

Overview

Part numbers

W2Z50AA - HP EliteDisplay E230t 23-inch Touch Monitor

W6M46AA - HP EliteDisplay E230t 23-inch Touch Monitor Head Only

Introduction

Give your productivity a hand with the ultrathin HP EliteDisplay E230t 23-inch Touch Monitor that's Windows 10 certified for 10-point touch and has adjustable comfort settings.

Key Benefits

- Get a sleek, slim design and a superb hands-on interactive touch experience without glare and messy fingerprints from integrated in-cell touch technology.
- Maximize your visual real estate and see even more of your work with a wide-angle, three-sided, micro-edge screen.
- Attach your HP Desktop Mini, HP Chromebox or select HP Thin Client directly behind the display for an integrated, affordable workspace.¹
- Find just the right position to be comfortable all day with adjustability that includes height up to 150 mm, tilt, swivel, and pivot, and VESA mounting.²
- Connect to your legacy and current environments with VGA, DisplayPort™, and HDMI, and add your USB devices with the integrated two-port USB 3.0 hub.
- Reduce power consumption and help lower your costs with an energy-smart, EPEAT® Gold registered³ design.
- Design the screen for how you work with HP Display Assistant software, which enables screen partitioning and helps deter theft by deactivating a display that's disconnected without approval.
- Create a complete solution with HP accessories⁴ designed and tested to work with your display.
- Help ensure a consistent worldwide deployment with a Global Series display that is supported by a three-year standard limited warranty.

1. Sold separately. HP PC Mounting Bracket for Monitors required and sold separately; see Bracket QuickSpecs for exact compatibility.
 2. Mounting hardware sold separately.
 3. EPEAT® registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status in your country.
 4. Each sold separately.
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Technical Specifications

Technical Specifications

Panel	Type	IPS with LED backlight
	Viewable Image Area	58,42 cm (23 in) widescreen; diagonally measured
	Active Area (W x H)	50,92 x 28,64 cm (20.05 x 11.28 in)
	Aspect Ratio	16:9
	Viewing Angle (typical)	Up to 178° horizontal/178° vertical (10:1 minimum contrast ratio)
	Brightness (typical)*	250 cd/m ²
	Contrast Ratio (typical)*	1000:1
	Dynamic Contrast Ratio (typical)*	5,000,000:1
	Response Rate (typical)*	14mS (on/off typ), 5.7 ms (GTG OverDrive)
	Pixel Pitch	0.2652 mm
	Pixels Per Inch	96 PPI
	Backlight Lamp Life* (to half brightness)	30K hours minimum
	Color Gamut*	72% (typical)
	Color Support**	Can display up to 16.7 million colors
	*All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.	
	** With the use of FRC technology.	
	On Screen Display (OSD)	Buttons or Switches
Languages		10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
User Controls		Brightness, Contrast, Color Control, Input Control, Image Control, Power control, Menu Control, Management, Language, Information, Factory Reset
Signal Interface/ Performance	Horizontal Frequency	24 to 80 kHz
	Vertical Frequency	50 to 75 Hz
	Native Resolution	1920 x 1080 @ 60Hz
	Preset VESA Graphic Modes (non-interlaced)	640 x 480 @ 60Hz
		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
		1440 x 900 @ 60 Hz
		1600 x 900 @ 60 Hz
1680 x 1050 @ 60Hz		
1920 x 1080 @ 60Hz		
Maximum Pixel Clock Speed	170 MHz	
User Programmable Modes	Yes, 10	
Anti-Glare	Yes	
Default Color Temperature	6500 K	

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Touchscreen Specifications	Touch Panel Type	Up to 10 Point Advanced In-Cell Touch, Self-Capacitive		
	Positional Accuracy	≤±1 mm @ center, ≤2mm(Edge~ 3.5mm)		
	Resolution Accuracy	1920 x 1080		
	Optical Light Transmission (per ASTM D1003)	100%		
	Electrostatic Projection (per EN6100-4-2, 1955)	Air +/- 8kv		
Video/Other Inputs	Plug and Play Input Signal	Yes 1 VGA 1 HDMI 1.4 1 DisplayPort 1.2 (HDCP support on HDMI and DisplayPort)		
	Video Cables	VGA, DisplayPort		
	Video Cable Lengths	1,8 m (5.9 ft)		
	USB	3 USB 3.0 (Two downstream and one upstream)		
	USB Cables	USB 3.0		
	USB Cable Lengths	1,8 m (5.9 ft)		
Power	Power Supply	Internal		
	Input Power	100 - 240 VAC (50/60 Hz)		
	Typical Power Consumption	29 W		
	Maximum	57 W		
	Power Saving	0.5 W		
	Power Cable Length	1,9 m (6.2 ft)		
Mechanical	Dimensions (W x D x H)	Unpacked w/stand	52,08 x 18,9 x 48,66 cm (20.5 x 7.4 x 19.2 in)	
		Unpacked w/o stand (head only)	52,08 x 5,23 x 31,2 cm (20.5 x 2.1 x 12.28 in)	
		Packaged	62 x 25,1 x 40,2 cm (24.4 x 9.9 x 15.8 in)	
	Weight	Head Only	3,1 kg (6.8 lb)	
		Unpacked	5,1 kg (11.2 lb)	
		Packaged	7,4 kg (16.28 lb)	
Ergonomic features – Not available on head only model.	Tilt Range	-5° to + 25° vertical		
	Swivel Range	N/A		
	Height Adjustable	Yes, 150 mm		
	Pivot Rotation	Yes, 90°		
	Base	Detachable, ships detached		
Environmental	Temperature – Operating	5° to 35° C (41° to 95° F)		
	Temperature – Non-operating	-20° to 60° C (-4° to 140° F)		
	Humidity – Operating	20% to 80% non-condensing		

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	Humidity – Non-operating	5% to 95%, 38.7° C max wet-bulb
	Altitude – Operating	0 to 5,000 m (0 to 16, 404 ft)
	Altitude – Non-operating	0 to 12,192 m (0 to 40,000 ft)
	White LED Backlights	Yes
	CCFL Panel	No
	Arsenic-Free Display Glass	Yes
	Low Halogen³	Yes
	Mercury-Free Display Backlighting	Yes
Options (sold separately)	HP PC Mounting Bracket for Monitors — Part number N6N00AA	Customize an altogether better solution with the HP PC Mounting Bracket for Monitors, which lets you attach your HP Desktop Mini, HP Chromebox, or select HP Thin Client directly behind select HP Z Displays and EliteDisplays.
	HP UHD USB Graphics Adapter — Part number N2U81AA	Just plug the adapter into any USB 2.0 or 3.0 port on your PC and connect the DisplayPort connector on the other end to your UHD display.
	HP Single Monitor Arm – Part number BT861AA	The flexible design of the HP Single Monitor Arm provides a seemingly endless range of display adjustments with an amazing 13 inches of lift, 50 degrees of tilt, and 360 degrees of pan and rotation – all at your fingertips -- helping you stay comfortable and productive throughout the day.
	HP LCD Speaker Bar —Part number NQ576AA	Powered directly by the connected PC, the Speaker Bar seamlessly attaches to the monitor's lower bezel to bring full audio support to select HP flat panel monitors. Features include dual speakers with full sound range and dual external headphone jacks. Sold separately. For more information, refer to the product's QuickSpecs.
	HP Adjustable Dual Display Stand —Part Number AW664AA	Premium space-saving dual screen solution provides access to more monitor real estate and makes it possible to manage multiple applications simultaneously. Weight adjustable for dual monitors from 17-24". Rotate displays into portrait/landscape positions.
	HP Business PC Security Lock v2 Kit — Part number N3R93AA	Help prevent chassis tampering and secure your PC and display in workspaces and public areas with the HP Business PC Security Lock v2 Kit.
What's in the box?	Monitor and accessories	HP EliteDisplay E230t 23-inch Touch Monitor AC power cord 1,9 m (6.2 ft) VGA cable 1,8 m (5.9 ft) DisplayPort cable 1,8 m (5.9 ft) USB cable 1,8 m (5.9 ft)
	Documentation	CD and printed documentation
	Software	HP Display Assistant is a software utility that allows you to quickly and accurately adjust the display settings and save the configurations that are best suited for you and your environment.
Other	User Guide Languages	

Technical Specifications

	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.
Bezel Color	Black
VESA External Mounting	Yes, one set of standard 4-hole pattern, 100 mm.
Security Lock-Ready	Yes, one security lock slot available
Country of Origin	China
Certifications and Compliance	EPEAT® Gold (select regions) ² , ENERGY STAR® qualified, CE, CB, KC, KCC, NOM, PSB, ICE, TUV-S, ISO 9241-307, EAC, UL, CSA, PSB, ISC, CCC, CECP, SEPA, TCO, TCO Certified Edge, ISC, VCCI, FCC, BSMI, Vietnam MEPS, Australian-New Zealand MEPS, WEEE, China Energy Label (CEL) Grade 1, SmartWay - NA only, Microsoft WHQL Certification (Windows 10)
Compatibility	Compatible with platforms using the VESA standard video modes. Recommended for use with HP products.
Service and Warranty	Protected by an HP standard one 3-year limited warranty (varies by region). Certain restrictions and exclusions apply.*Optional Care Pack Services are extended service contracts which go beyond your standard warranties. ¹ *Warranty term may vary by region.

1. Service levels and response times for HP Care Pack Services may vary depending on your geographic location. Service starts from date of hardware purchase. Restrictions and limitations apply. See www.hp.com/go/cpc for details..
2. EPEAT® Gold where HP registers commercial display products. See www.epeat.net for registration status in your country.
3. External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.

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Change Log

Summary of Changes

Date of change:	Version History:		Description of change:
	Version 1 to 2		
November 3, 2016	Version 2 to 3	Added	USB cable 1,8 m (5.9 ft) to What's in the Box? Section.
November 17, 2016	Version 3 to 4	Updated	DVI cable name changed to DisplayPort under Monitor and accessories section