



## HP EliteDisplay E231 23-inch LED Backlit Monitor

Give your business-critical users the display they crave.



The HP EliteDisplay E231 23-inch LED Backlit Monitor delivers outstanding ergonomic adjustability and convenient connectivity in a premier, energy efficient design.

### Enhance your view, advance your connectivity

Bring your content to life with Full-HD resolution.<sup>1</sup> Get vibrant text and graphics from the LED backlit panel, which also makes the monitor thin, light, and easy to position on a desk.

Deliver clear views with wide viewing angles, and keep your content crisp and readable with high contrast ratios and fast response times.<sup>2</sup>

Easily connect devices with convenient VGA, DVI, and DisplayPort inputs and an integrated 2-port USB hub.

Work on a document in one partition, refer to a spreadsheet in another, and check e-mails in another—at the same time with HP Display Assistant. Customize your workspace with resizable screen partitions through an easy-to-use, centralized interface.

Use HP Display Assistant's new expanded toolbar to view open applications on all of your connected displays. Deter theft with a user-designated PIN that deactivates the monitor if it's disconnected from a PC without approval.

### Get comfortable with HP's ultimate adjustable design

Find your most comfortable working position so you can power through your day. Customizable tilt, height adjustment, swivel, and pivot settings—the most adjustability available on an HP business display—help you find your sweet spot.

### Control your environmental impact

Reduce power consumption and help lower your costs with an intelligent, energy efficient design featuring ENERGY STAR®, EPEAT® Gold<sup>3</sup>, and TCO certifications.

Help decrease your eco-footprint with Mercury-free LED display backlighting, a Low Halogen<sup>4</sup> design and arsenic-free<sup>5</sup> display glass.

### Global reassurance

Rest assured that your IT investment is supported by a three-year standard limited warranty. Select optional HP Care Pack Services<sup>6</sup> to extend your protection beyond the standard warranties. Get award-winning service and support by phone or online.



# HP EliteDisplay E231 23-inch LED Backlit Monitor

<b>Part number</b>	C9V75AA
<b>Panel type</b>	TN with LED backlight
<b>Viewable image area</b>	58,42 cm (23 in) diagonally measured
<b>Viewing angle</b>	<b>Horizontal:</b> 170 degrees; <b>Vertical:</b> 160 degrees
<b>Brightness<sup>2</sup></b>	250 nits (cd/m <sup>2</sup> )
<b>Contrast ratio<sup>2</sup></b>	<b>Static:</b> 1000:1; <b>Dynamic:</b> 5,000,000:1
<b>Response rate<sup>2</sup></b>	5 ms (on/off)
<b>Frequency</b>	<b>Horizontal:</b> 24 KHz-94 KHz; <b>Vertical:</b> 50 Hz-76 Hz
<b>Aspect ratio</b>	16:9
<b>Native resolution</b>	1920 x 1080 @ 60 Hz
<b>Resolutions supported</b>	640 x 480 @ 60 Hz, 720 x 400 @ 60 Hz, 800 x 600 @ 60 Hz, 1024 x 768 @ 60 Hz, 1280 x 720 @ 60 Hz, 1280 x 1024 @ 60 Hz, 1440 x 900 @ 60 Hz, 1600 x 900 @ 60 Hz, 1680 x 1050 @ 60 Hz, 1920 x 1080 @ 60 Hz
<b>Input signal</b>	VGA (analog), DVI-D, DisplayPort (HDCP support on DVI-D and DisplayPort)
<b>USB</b>	Integrated USB 2.0 hub with (2) Downstream and (1) Upstream ports
<b>User controls</b>	Menu, Minus ("-"), Plus ("+") /Input Control, OK/Auto, Power
<b>Power consumption</b>	<b>Maximum:</b> 36 W; <b>Typical:</b> 33 W; <b>Power saving:</b> 0.5 W
<b>Dimensions</b> (w x d x h)	<b>Unpacked:</b> 54,4 x 24,24 x 46,99 cm (21.42 x 9.54 x 18.5 in) <b>Head only:</b> 54,4 x 5,1 x 32,9 cm (21.42 x 2 x 12.95 in)
<b>Weight</b>	<b>Unpacked:</b> 6,1 kg (13.6 lb); <b>Head only:</b> 3,9 kg (8.5 lb); <b>Packaged:</b> 8,34 kg (18.35 lb)
<b>Base features</b>	<b>Tilt:</b> -5 degrees to +30 degrees; <b>Swivel:</b> 360°; <b>Height Adjustable:</b> 150 mm; <b>Pivot Rotation:</b> 90°
<b>Environmental</b>	<b>Operating:</b> 5° to 35° C (41° to 95° F); <b>Non-operating:</b> -20° to 60° C (-34° to 140° F)
<b>Accessories<sup>7</sup></b> (sold separately)	<p><b>HP Adjustable Dual Display Stand</b> - 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. Part Number AW664AA.</p> <p><b>HP LCD Speaker Bar</b> - Powered directly by the connected PC, seamlessly attaches to the monitor's bezel to bring full multimedia support to select HP LCD monitors; features dual speakers with full sound range and two external jacks for headphones. Part number NQ576AA.</p> <p><b>HP USB Graphics Adapter</b> - Enables connection of up to six simultaneous displays. Use one Adapter to bridge between a notebook or desktop PC and second monitor or use multiple Adapters to connect several displays to each other. Part number NL571AA.</p> <p><b>HP Business PC Security Lock Kit</b> - Attaches to the rear of the PC with a six-foot steel cable that can be used to secure a PC or peripherals such as mice, keyboards, monitors or USB security devices to protect them against unauthorized removal by physically connecting the system to an anchor point. Part number PV606AA.</p> <p><b>HP LCD Monitor Quick Release<sup>8</sup></b> - An easy-to-use, VESA-compliant, LCD monitor mounting solution that allows you to quickly and securely attach an LCD monitor to a variety of stands, brackets, arms or wall mounts. Part number EM870AA.</p> <p><b>HP Single Monitor Arm</b> - 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. Part number BT861AA.</p> <p><b>HP Integrated Work Center 2 - Small Form Factor (SFF)</b> - Designed specifically for use with the HP Compaq Small Form Factor (SFF) Desktop PC and a 17 to 24-inch (43.18 to 60.96 cm) diagonal monitor, it provides a portable, compact workspace to help maximize space-constrained work environments. (17 to 24-inch diagonal monitors need to meet supported weight limits of 7.5 to 12.1 lbs. (3.38 to 5.5 kg). Part number QP897AA.</p> <p><b>HP DVI to DVI Cable</b> - Connect to external monitors with a DVI connector from an HP Compaq Business Desktop computer with a DVI connector. The cable is a single link cable with DVI-D support on both connectors. The cable will connect to either a DVI-D or DVI-I connector on the monitor and the graphics card. Part number DC198A.</p>
<b>Certification and compliance</b>	CE, CB, KC, KCC, NOM, PSB, ICE, TUV-S, CCC, CEL Grade 1, CECP, SEPA, TCO certified, EPA, ISC, VCCI, FCC, BSMI, ENERGY STAR®, EPEAT® Gold <sup>3</sup> (select regions)
<b>Limited warranty</b>	Protected by HP, including a 3 year standard limited warranty. Optional HP Care Pack Services <sup>6</sup> are extended service contracts that extend your protection beyond the standard warranties.

1. High-definition (HD) content required to view HD images.

2. All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

3. EPEAT® Gold registered models of this product are available where HP registers commercial display products. See [www.epeat.net](http://www.epeat.net) for registration status in your country.

4. External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.

5. Arsenic and its compounds were not detected using U.S. EPA test methods 3052/6010b by ICP-AES with a Method Detection Limit 10 ppm.

6. 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. HP Care Pack Services extend service contracts beyond the standard warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at [www.hp.com/go/lookuptool](http://www.hp.com/go/lookuptool). Additional HP Care Pack Services information by product is available at [www.hp.com/hps/carepack](http://www.hp.com/hps/carepack).

7. Each accessory and mounting hardware is sold separately.

8. The HP Quick Release has been designed to support a maximum of up to 24 lbs (10.9 kg) for all devices mounted. Because mounting surfaces vary widely and the final mounting method and configuration may vary, mounting fasteners are not supplied (other than the VESA-compliant screws). HP recommends that you consult with a qualified engineering, architectural or construction professional to determine the appropriate type and quantity of mounting fasteners required for your application and to ensure that your mounting solution is properly installed to support applied loads.

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