HP ProDisplay P231 23-inch LED Backlit Monitor

Your everyday business monitor just got a large-screen upgrade.

Save money and be more productive with an essential business monitor that delivers solid performance, a massive 23-inch diagonal screen, and energy savings at a very attractive price point. Do more throughout the day and efficiently grow your business with a stylish monitor that has proven HP quality and reliability, a stable lifecycle, and HP accessory compatibility.

HP ProDisplay P231

Business-class presentation features

- Enjoy plenty of room to multi-task across your documents and e-mail with a 23-inch diagonal screen. Get crisp, clear views of your content with 1920 x 1080 resolution, 5 ms response time, and 3 M:1 dynamic contrast ratio.[1]
- Quickly and easily connect to your media and devices with VGA and DVI inputs. Keep your workspace tidy with the internal power supply.

Budget-friendly product stability

- Get a stable product lifecycle and minimum one-year lifespan at a price point that's easy on your wallet. Be confident in the improved reliability of a monitor that has been through its paces with HP quality standard testing.

Designed with the environment in mind

- Reduce power consumption and help lower your costs with an intelligent, energy-efficient design that is ENERGY STAR® and TCO qualified, and EPEAT® Gold registered.[2]
- The display also includes mercury-free display backlights, a low halogen design,[3] and arsenic-free display glass.

Multi-display workspace

- With multiple displays, you can design a workspace that puts everything you need front and center on the desk. No more alt-tabbing to find your open applications or resizing windows to fit your work. Now you can see everything all at once.[4]

HP accessory compatibility

- Free up valuable desk space and take the monitor completely off the desk; the integrated 100-mm standard VESA pattern supports wall mounting with the HP Quick Release.[5,6]

Productivity and management software

- Personalize your workspace with resizable screen partitions and work in documents, spreadsheets, and e-mail in separate regions of the screen—at the same time—with HP Display Assistant software.

Global HP service and support

- Rest assured that your IT investment is supported by a standard, three-year limited warranty.
- Select optional HP Care Pack Services[7] to extend your protection beyond the standard warranties.

HP ProDisplay P231 23-inch LED Backlit Monitor

Part number	E4S07AA, E4S07A8, E4S07AC
Panel type	TN (Twisted Nematic) LED Backlit LCD
Viewable image area	58,42 cm (23 in) widescreen, diagonally measured
Viewing angle	Horizontal: 170 degrees; Vertical: 160 degrees
Brightness[1]	250 cd/m^2
Contrast ratio[1]	Static: 1000:1; Dynamic: 4,000,000:1
Response rate[1]	5 ms (on/off)
Frequency[1]	Horizontal: 24KHz-94KHz; Vertical: 50 Hz-76 Hz
Aspect ratio	16:9
Native resolution	1920 x 1200 @ 60 Hz
Resolutions supported	1920 x 1080 @ 60 Hz; 1680 x 1050 @ 60 Hz; 1600 x 900 @ 60 Hz; 1440 x 900 @ 60 Hz; 1280 x 1024 @ 60 Hz; 1280 x 720 @ 60 Hz; 1024 x 768 @ 60 Hz; 800 x 600 @ 60 Hz; 720 x 400 @ 70 Hz; 640 x 480 @ 60 Hz
Input signal	DVI-D, VGA (analog)
USB	N/A
User controls	Menu, Minus ("-"), Plus ("+") /Source, OK/Auto, Power
Power consumption	Typical: 25 W; Maximum: 31 W; Power Saving: 0.5W
Dimensions (w x d x h)	Unpacked with stand: 54,4 x 16,56 x 39,49 cm (21.42 x 6.52 x 15.55 in)
	Head only: 54,4 x 5,1 x 32,9 cm (21.42 x 2.01 x 12.95 in)
Weight	Unpacked with stand: 3,85 kg (8.48 lb); Head only: 3,25 kg (7.16 lb); Packaged: 5,29 kg (11.66 lb)
Base features	Tilt: -5°to +25°; Detachable
Environmental	Operating: 5° to 35° C (41° to 95° F); Non-operating: -20° to 60° C (-4° to 140° F)
Accessories[5] (sold separately)	HP LCD Speaker Bar - 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.
	HP LCD Monitor Quick Release[6] - 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. For more information, refer to this product's QuickSpecs document. Part number EM870AA.
	HP Integrated Work Center 2 - Small Form Factor (SFF) – 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, the HP Integrated Work Center 2 (IWC) - Small Form Factor (SFF) 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.
	HP Single Monitor Arm - 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. Part number BT861AA.
	HP Adjustable Dual Display Stand - 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.
	HP USB Graphics Adapter - Enables connection of up to six simultaneous displays to help you boost productivity and multi-task across several open applications. 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.
	HP Business PC Security Lock Kit - 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.
	HP DVI to DVI cable - 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.
Certification and compliance	CE, CB ,KC, KCC, NOM, PSB, ICE, TUV-S, RCM, CCC, CECP, TCO, ISC, VCCI ,FCC, Taiwan: BMSI, ENERGY STAR®, EPEAT® Gold[2], CEL Grade 1, SmartWay Transport Partnership (NA), Microsoft WHQL Certification.
Limited warranty	Protected by HP, including a 3 year standard limited warranty. Optional HP Care Pack Services are extended service contracts that extend your protection beyond the standard warranties.[7]

Please see the product QuickSpecs document for additional detailed specifications and information. See www.hp.com/go/businessmonitors for more information about HP Business Monitors.

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1. All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
2. EPEAT® Gold registered models of this product are available 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.
4. Each monitor sold separately.
5. Each accessory and mounting hardware is sold separately.
6. 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.
7. HP Care Pack Services are sold separately. 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.

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