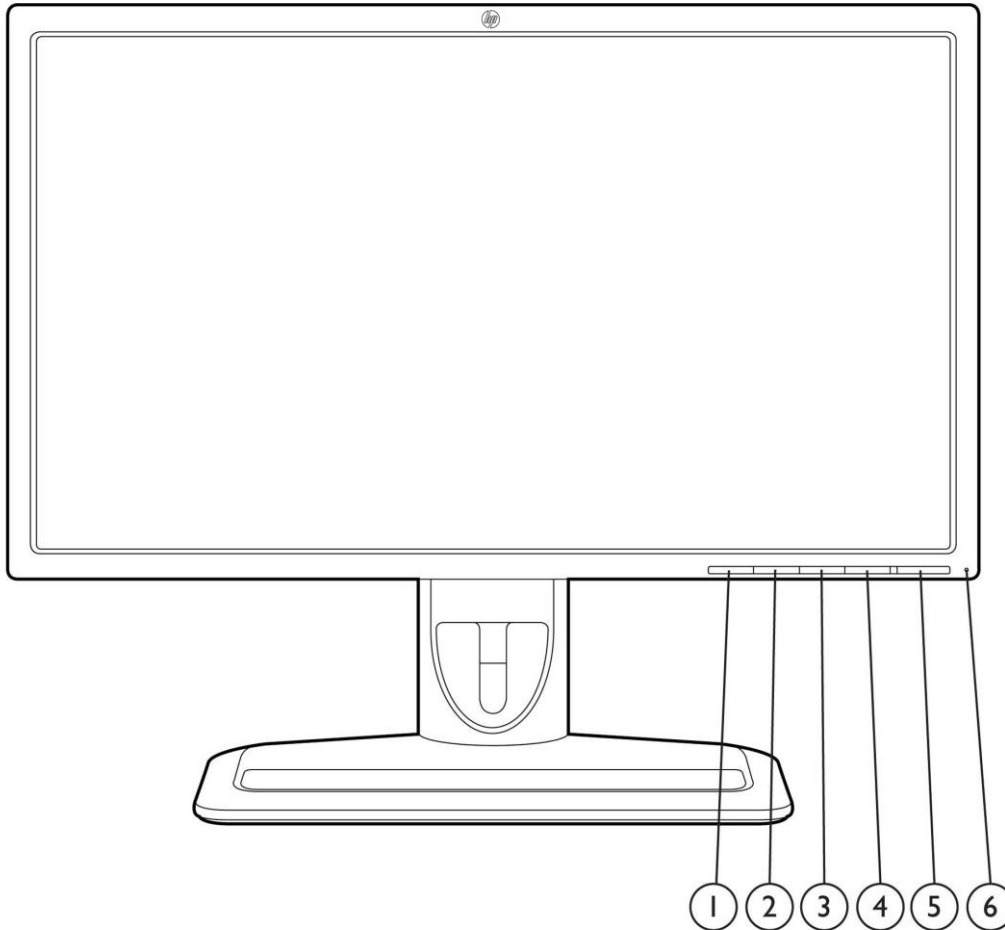
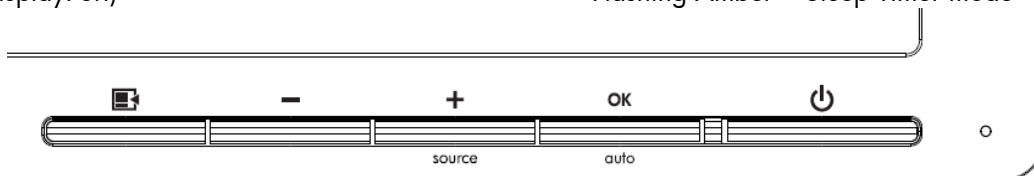


HP ZR2240w 21.5-inch LED Backlit IPS Monitor



1. Menu: Opens, selects or exits the OSD menu.
2. Minus (-): Navigates backward through the OSD menu and decreases adjustment levels.
3. Plus (+)/Source: Navigates forward through the OSD menu and increases adjustment levels; when the OSD menu is inactive, selects the video input (VGA, DVI, **HDMI** or DisplayPort)
4. OK/Auto: When the OSD menu is inactive, activates the auto adjustment feature to optimize the screen image.
5. Power: Turns the monitor on or off if Master Power Switch (rear) is On.
6. Power LED:
Blue = Fully powered.
Amber = Sleep mode.
Flashing Amber = Sleep Timer mode



HP ZR2240w Bezel Buttons

Technical Specifications

Model: XW475A4, XW475A8

Panel	<p>Type IPS (in-plane switching) LED Backlit LCD</p> <p>Viewable Image Area (diagonal) 54,52 cm, (21.5 in.) widescreen; diagonally measured</p> <p>Screen Opening (W x H) 47,5 x 26,7 cm, (18.7 x 10.5 in.)</p> <p>Optimal Resolution 1920 x 1080 (Full HD) @ 60 Hz</p> <p>Aspect Ratio 16:9 Widescreen</p> <p>Viewing Angle (typical) Up to 178° horizontal/178° vertical (10:1 minimum contrast ratio)</p> <p>Maximum Brightness (typical)* 250 nits cd/m²</p> <p>Minimum Brightness (typical)* 50 nits cd/m²</p> <p>Contrast Ratio (typical)* 1000:1</p> <p>Dynamic Contrast Ratio (typical)* 2,000,000:1</p> <p>Response Time (typical)* 8 ms (gray to gray)</p> <p>Pixel Pitch 0.2475 mm</p> <p>Backlight Lamp Life (to half brightness) 30,000 hours minimum</p> <p>Color Gamut (typical) 72%</p> <p>Color Support** Up to 16.7 million colors</p>
<p>*All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.</p> <p>** With the use of FRC technology.</p>	
On Screen Display (OSD) Controls	<p>Buttons or Switches Menu, OSD -, OSD +, OK, Power On/Off</p> <p>Languages English, French, Spanish, German, Italian, Dutch, Brazilian-Portuguese, Japanese, S-Chinese, T-Chinese</p> <p>User Controls Brightness, contrast, positioning, color temperature (5000K, 6500k, 9300k, custom), individual color control, serial number, display, clock, clock phase, monitor management, factory reset</p>
Signal Interface/Performance	<p>Horizontal Frequency 24 to 94 kHz</p> <p>Vertical Frequency 50 to 76 Hz</p> <p>Native Resolution 1920 x 1080 @ 60 Hz; Full HD</p> <p>Preset VESA Graphic Modes (non-interlaced)</p> <p>1920 x 1080 @ 60 Hz</p> <p>1680 x 1050 @60 Hz</p> <p>1600 x 900 @ 60 Hz</p> <p>1440 x 900 @ 60 Hz</p> <p>1280 x 1024 @ 60 Hz</p> <p>1280 x 720 @ 60 Hz</p> <p>1024 x 768 @ 60 Hz</p> <p>800 x 600 @ 60 Hz</p> <p>640 x 480 @ 60 Hz</p> <p>Text Mode 720 x 400 @ 70 Hz</p> <p>Maximum Pixel Clock Speed 200 MHz for VGA; 165 MHz for DVI, HDMI and DP inputs.</p>



Technical Specifications

	User Programmable Modes	Yes (20)	
	Anti-Glare	Yes	
	Default Color Temperature	6500 K	
Video/Other Inputs	Plug and Play	Yes	
	USB 2.0 Hub	One upstream, four downstream ports (cable included)	
	Input Connectors	(1) DVI-D connector; (1) VGA connector; (1) DisplayPort connector; (1) HDMI connector; (HDCP support on DisplayPort, HDMI and DVI)	
	Input Impedance	75 Ohms (VGA)	
	Sync Input	TTL separate synch	
	Video Cables	DisplayPort, DVI-D and VGA.	
	Video Cable Lengths (VGA, DVI-D, DisplayPort)	1,8 m (5.9 ft.)	
	USB Cable	Included	
	USB Cable Length	1,8 m (5.9 ft.)	
	Power	Input Power	90– 265 VAC, 50 to 60 Hz
Energy Star Power⁵		31.6 W	
Default Power⁶		35 W	
Maximum Power⁷		52 W	
Power Saving		< 0.3 W sleep (standby)	
Power Cable Length		1,9 m (6.2 ft.)	
Mechanical	Dimensions (W x D x H)	Unpacked w/stand	50,8 x 23,4 x 36,7 – 45,7cm, (20.0 x 9.2 x 14.4 – 18.0 in.)
		Unpacked w/o stand (head only)	50,8 x 5,9 x 30,3 cm, (20.0 x 2.3 x 11.9 in.)
		Packaged	57 x 39,4 x 29,5 cm, (22.4 x 15.5 x 11.6 in.)
		Base area (footprint)	29 x 23,4 cm, (11.4 x 9.2 in.)
	Weight	Head Only	3,48 kg (7.7 lb)
		Unpacked	5,74 kg (12.7 lb)
		Packaged	7.9 kg (17.4 lb)
Ergonomic Features	8-Way Comfort Adjust Stand	Easily adjust the display in height, tilt, swivel and pivot for maximum comfort. Eight degrees of adjustment freedom including height up/down, tilt forward/back, swivel left/right and pivot portrait/landscape.	
	HP Quick Release 2	Ultra convenient set up. Easily mount and detach the display head from the stand. The new HP Quick Release 2 is flush with rear of the display head for a clean appearance. (NOTE: Not compatible with HP Quick Release Kit).	
	VESA External Mounting	User can VESA mount the display in two ways: <ul style="list-style-type: none"> 1) Use the 100x100mm VESA mount holes that are in the QR2 recess. 2) Remove the QR2 mount plate from the stand and mount the 	



Technical Specifications

plate to the VESA arm. Then the ZR2240w head connects to the QR2 mount plate and the quick release function is retained.

	Cable Management	Enhanced cable management for easy concealment of power, video and USB cables. Effortless routing of cables through the base of the column with removable cover plate.
	Detachable Stand	Stand ships detached and easily attaches with new HP Quick Release 2 mechanism.
	Tilt Range	-5° to +35°
	Swivel Range	Yes (+/- 45°)
	Height Adjustable	Yes (9 cm)
	Pivot Rotation	Yes
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
	Humidity - Non-operating	5% to 95%, 38.7° C max wet-bulb
	Altitude - Operating	0 to 5,000 m (16,404 ft)
	Altitude - Non-operating	0 to 12,192 m (0 to 40,000 ft)
	White LED Backlight	Yes
	Arsenic-Free Glass³	Yes
	BFR/PVC Free⁴	Yes, except cables
	Mercury Free	Yes
Options (sold separately)	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 USB Graphics Adapter—Part number NL571AA	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.
	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 Kit—Part number PV606AA	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.
	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



Technical Specifications

– all at your fingertips – helping you stay comfortable and productive throughout the day.

Other	Accessories Included	VGA Cable, DVI-D cable, DisplayPort cable, USB cable, power cable (single unit)
	Software	HP Display Assistant is a software utility that enables theft deterrence and allows monitor adjustment, color calibration, and security/asset management using the Display Data Channel Command Interface (DDC/CI) protocol of the connected PC or workstation.
	User Guide Languages	English, French, Spanish (Int'l), Brazilian Portuguese, Danish, Dutch, Finnish, French, German, Italian, Norwegian, Spanish, Swedish, Czech, Hungarian, Polish, Russian, Greek, Slovenian, Turkish, Arabic, Bahasa Indonesian, S. Chinese, T. Chinese, Korean and Japanese.
	Warranty Languages	English, LA Spanish, Brazilian Portuguese, German, French, Italian, Turkish, Greek, Arabic, Russian, Hungarian, Czech, Polish, Japanese, Dutch, Danish, Finnish, Norwegian, Swedish, S. Chinese, T. Chinese, Korean, Slovenian, Bahasa Indonesia, Serbian
	Color	Black with brushed aluminum accents
	VESA External Mounting	Yes, standard 4 hole pattern, 100 mm
	Security Lock-Ready	Yes, one slot available.
Certification and Compliance		ENERGY STAR® 5.1, EPEAT® Gold ² , TCO Displays 5.2, CSA-NRTL, CSA, FCC. CE, TUV, GOST, NOM, IRAM mark, PSB, VCCI, KC/KCC, Korea E-Standby, ISC, BSMI, C-Tick, CCC, CECP, CEL. NOTE: agency rating label and product serial number located on a pull-out tab on left side of monitor.
Compatibility		Compatible with platforms using the VESA standard video modes. Recommended for use with HP products.
Service and Warranty		Protected by HP, including a 3 years parts, 3 years labor, and 3 years onsite service (3/3/3) standard limited warranty. Certain restrictions and exclusions apply. ¹

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¹ HP Care Pack Services extend service contracts beyond the standard warranties. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts from date of hardware purchase. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at <http://www.hp.com/go/lookuptool>. Additional HP Care Pack Services information by product is available at <http://www.hp.com/hps/carepack>.

² EPEAT® Gold where HP registers commercial display products. See www.epeat.net for registration status in your country.

³ Arsenic and its compounds were not detected using US EPA Test Methods 3052 & 3052/6010b by ICP or ICP-AES.

⁴ Meets the evolving definition of 'BFR/PVC-free' as set forth in the "iNEMI Position Statement on the 'Definition of Low-Halogen' Electronics (BFR/CFR/PVC-Free)". Plastic parts contain < 1000 ppm (0.1%) of bromine [if the Br source is from BFRs] and < 1000 ppm (0.1%) of chlorine [if the Cl source is from CFRs or PVC or PVC copolymers]. All printed circuit board (PCB) and substrate laminates contain bromine/chlorine total < 1500 ppm (.15%) with a maximum chlorine of 900 ppm (.09%) and maximum bromine being 900 ppm (.09%). External cables (power, video and USB) are not BFR/PVC-free. Service parts after purchase may not be BFR/PVC-free.

⁵ Energy Star power is measured with factory defaults, brightness at Energy Star® level of 200 cd/m² and with no USB loads.

⁶ Default Power is measured with factory defaults, including factory default brightness and USB ports loaded at 25% of maximum.

⁷ Maximum Power is measured with monitor at maximum brightness and with USB ports loaded at 100% of maximum.

All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. The only warranties for HP products and services are set forth in the express warranty



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statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

