

### Technical Specifications

#### HP Z32 4K UHD Display



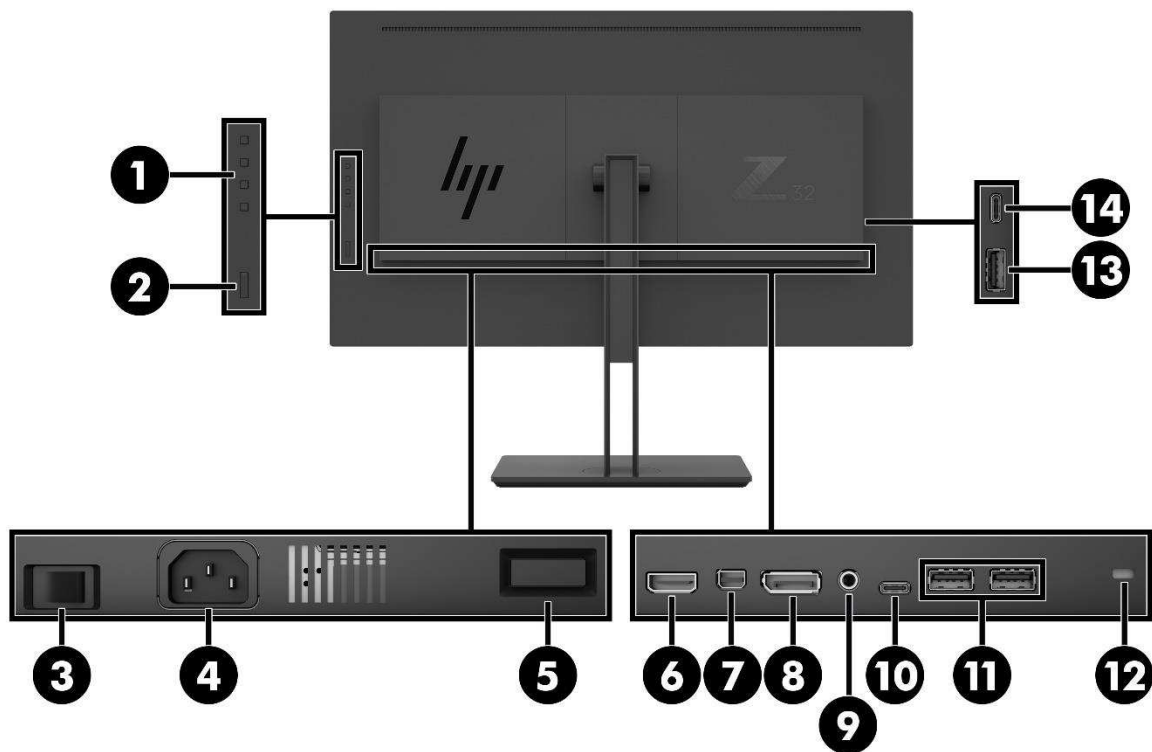
Front

**1. Power light**

Power LED:  
Active = White  
Standby = Amber

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1. **Function buttons**
2. **Power button**
3. **Master power switch**
4. **Power connector**
5. **VESA release button**
6. **HDMI port**
7. **Mini DisplayPort™**
8. **DisplayPort™**
9. **Audio-out jack**
10. **USB Type-C™ port (upstream)**
11. **USB Type-A ports (2) (downstream)**
12. **Security cable slot**
13. **USB Type-A port (downstream)**
14. **USB Type-C™ 3.1 port (downstream)**

**NOTE:** The USB Type-C™ upstream port can function as a DisplayPort audio/video input, as a USB 3.0 upstream connection, or it can be used to deliver up to 65 watts of power to a device. See Power Output section below for specifications.

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<b>Panel Specifications*</b>	<b>Display Size (Diagonal)</b>	31.5-inch
	<b>Display Panel Type</b>	IPS
	<b>Micro-Edge Bezel</b>	Yes, 4 sided
	<b>Native Resolution/Timing</b>	3840 x 2160 @ 60 Hz
	<b>Panel Bit Depth</b>	10bit (8 + 2 FRC)
	<b>Aspect Ratio</b>	16:9
	<b>Brightness - Typical</b>	350 cd/m <sup>2</sup>
	<b>Static Contrast Ratio - Typical</b>	1,300:1
	<b>Dynamic Contrast Ratio -Typical</b>	5,000,000:1
	<b>NOTE:</b> Dynamic Contrast Ratios during video playback only, depending on series of frames or time duration.	
	<b>Pixel Pitch</b>	0.18159(H)mm x 0.18159(V)mm
	<b>Pixels Per Inch (PPI)</b>	140
	<b>Backlight Lamp Life (to half brightness - in hours)</b>	30k hours minimum
	<b>Anti-Glare Panel</b>	Yes
	<b>Response Time – Typical</b>	14ms Gray to Gray
	<b>NOTE:</b> Product default is 14ms response time and can be adjusted to as low as 6ms in the display menu. All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.	
	<b>Horizontal Viewing Angle (typical CR&gt;10)</b>	178°
	<b>Vertical Viewing Angle (typical CR&gt;10)</b>	178°
	<b>Panel Active Area (w x h)</b>	697.3056 x 392.2344 mm
	<b>Preset Graphic Modes/Supported Resolutions</b>	640×480 @60Hz
720×400 @70Hz		
800×600 @60Hz		
720×480 @60Hz		
1024×768 @60Hz		
1280×720 @60Hz		
1280×768 @60Hz		
1280×800 @60Hz		
1280×1024 @60Hz		
1440×900 @60Hz		
1600×900 @60Hz		
1600×1200 @60Hz		
1680×1050 @60Hz		
1920×1080 @60Hz		
1920×1200 @60Hz		
2560×1440 @60Hz		
2560×1600 @60Hz		
3840×2160 @30Hz		
3840×2160 @60Hz		
<b>Maximum Resolution</b>	3840 x 2160 @ 60 Hz	
<b>Recommended Resolution</b>	3840 x 2160 @ 60 Hz	
<b>Vertical Scan Range</b>	29-60 Hz	
<b>Horizontal Scan Range</b>	28-135 kHz	
<b>Maximum Pixel Clock Speed</b>	533.25 MHz	
<b>*All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.</b>		
<b>Color Gamut Coverage</b>	<b>sRGB</b>	99% sRGB
	<b>BT.709</b>	100%
<b>Color Management</b>	<b>Factory Color Calibrated</b>	Yes
	<b>Factory Color Presets</b>	BT.709, sRGB

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	<b>Default Color Temperature</b>	D65
	<b>Low Blue Light Modes</b>	Yes
	<b>RGB Channel Adjust</b>	Yes, Gain
<b>Monitor Specifications</b>	<b>Exterior Color of Monitor Bezel &amp; Stand</b>	Black Pearl
	<b>Plug &amp; Play</b>	Yes
	<b>Tilt</b>	Yes, -5° to +20°
	<b>Swivel</b>	Yes, 90°
	<b>Height Adjustment Range</b>	Yes, 120 mm
	<b>VESA Mounting</b>	Yes 100 mm with integrated mount
	<b>Security Lock Ready</b>	Yes
	<b>Detachable Base</b>	Yes, ships detached
	<b>Warranty</b>	3/3/0
	<b>Zero Bright Dot Guarantee</b>	Yes
<b>On Screen Display (OSD)</b>	<b>On Screen Display User Controls</b>	Brightness, Contrast, Color Control, Input Control, Image Control, PIP Control, Power Control, Menu Control, Management, Information, Exit
	<b>Monitor Control Buttons or Switches</b>	Menu, Viewing Modes, Information, Next Active Input, Power
	<b>User-Assignable Function Buttons</b>	Yes, 3
	<b>Languages</b>	10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
<b>Connector Types</b>	<b>DisplayPort™</b>	1 DisplayPort™ 1.2
	<b>Mini- DisplayPort™</b>	1 Mini DisplayPort™ 1.2
	<b>HDMI</b>	1 HDMI 2.0
	<b>USB Type-C™</b>	2, 1 upstream (rear) and 1 downstream (side)
	<b>HDCP support</b>	Yes, HDCP 1.4 for DisplayPort™ and HDCP 2.2 for HDMI
	<b>Audio Output</b>	1 Line out
<b>USB Port Specifications</b>	<b>USB Version</b>	3.0
	<b>USB Hub</b>	Yes
	<b>Downstream Ports</b>	3 USB-A downstream ports
	<b>Fast Charging USB Ports</b>	3 Ports
	<b>Power Output Maximum</b>	7.5W (BC1.2)
<b>USB-Type C™ Port Specifications</b>	<b>USB-Type C™ Version</b>	USB 3.1 Gen1 / 5 Gbps
	<b>Downstream USB-Type C™ Ports</b>	1 Port
	<b>Upstream USB-Type C™ Ports</b>	1 Port
	<b>Video Support</b>	Rear: USB-C™ Alt mode – DisplayPort™ 1.2 Rear: 5V/3A, 9V/3A, 10V/5A, 12V/5A 15V/4.33A, 20V/3.25A Side: 5V/1.5A; 5V/3A
	<b>Power Output</b>	Rear: 65W Max Side: 15W Max
	<b>Power Output Maximum</b>	
<b>Power &amp; Operating Specs</b>	<b>Power Supply</b>	Internal
	<b>Input Power</b>	100 - 240 VAC 50/60 Hz
	<b>Power Consumption – Maximum</b>	185 W
	<b>Energy Saving/Standby Mode</b>	0.5 W
	<b>Power Consumption – Typical</b>	70 W
	<b>Power cable length</b>	1,9 m (6.2 ft)
<b>Special Features</b>	<b>Picture-in-Picture, Picture-by-Picture</b>	Yes, 2 PIP/PBP
	<b>Remote Manageability</b>	No

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<b>ENERGY STAR® Data</b>	<b>Operational Mode at 100 VAC</b>	32.58 W
	<b>Operational Mode at 115 VAC</b>	32.65 W
	<b>Operational Mode at 230 VAC</b>	31.44 W
<b>EU Energy Efficiency Class (EC1062)</b>	<b>On-mode Power Consumption (EC 1062/2010)</b>	45W
	<b>Annual Power Consumption (EC 1062/2010)</b>	66 kWh
	<b>Energy Efficiency Class (EC 1062/2010)</b>	B
	<b>Visible Screen Size</b>	31,5"/80,0 cm Diagonal
<b>Operating Conditions</b>	<b>Operating Temperature - Celsius</b>	<b>5° to 35° C</b>
	<b>Operating Temperature - Fahrenheit</b>	41° to 95° F
	<b>Non-operating Temperature - Celsius</b>	<b>-20° to 60° C</b>
	<b>Non-operating Temperature - Fahrenheit</b>	-4° to 140°
	<b>Operating Humidity</b>	20% to 80% non-condensing
	<b>Non-operating Humidity</b>	5% to 95%
	<b>Operating Altitude</b>	<b>0 to 5,000 m (16,404 ft)</b>
	<b>Non-operating Altitude</b>	<b>0 to 12,192 m (0 to 40,000 ft)</b>
<b>Environmental Features and Certifications</b>	<b>Mercury-free LED display backlighting</b>	Yes, Mercury-free LED backlights
	<b>Arsenic-Free Display Glass</b>	Yes
	<b>Low Halogen</b>	Yes GSE HP-00011-01B, table 2 defines low-halogen (BFR, CFR, PVC)
	<b>NOTE:</b> External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.	
	<b>Agency Approvals and Certifications</b>	WW application CE,CB,KC/KCC/ICE/TUV-S/ISO 9241-307/ EAC/UL/PSB/ISC/CCC/CEL/CECP/SEPA/TCO/Energy Star/VCCI/FCC/BSMI/WEEE
	<b>Microsoft WHQL Certification</b>	Win 10, Win 8, Win 7
	<b>ENERGY STAR® certified</b>	Yes, ENERGY STAR® 7
	<b>EPEAT® Registered</b>	EPEAT® 2019 Registered
	<b>NOTE:</b> Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit <a href="http://www.epeat.net">http://www.epeat.net</a> for more information.	
	<b>China Energy Label</b>	CEL Grade 1
<b>TCO Certified</b>	Yes	
<b>SmartWay Transport Partnership - NA only</b>	Yes (NA SKU)	
<b>Contains Recycled Plastics</b>	<b>Contains Recycled Plastics in Back Cover</b>	0.35
	<b>Contains Recycled Plastics in Base/Stand</b>	0.35
	<b>Contains Recycled Plastics in Other Parts</b>	17.5%
	<b>Recyclable Plastics</b>	Back cover, Middle cover, VESA cover, Hinge cover, Base top cover, Base bottom cover, Column back cover, Column front cover
	<b>Recyclable Packaging (Box, packing materials)</b>	Carton, Paper Board, Corner Paper

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<b>Unit Product/Package Specifications</b>	<b>Product Dimensions (Unpacked with stand)</b>	
	Metric (W x D x H)	71.45 x 24.8 x 56.44 cm
	Imperial (W x D x H)	28.13 x 9.76 x 22.22 in
	<b>Product Dimensions (Packed)</b>	
	Metric (W x D x H)	83.3 x 32.5 x 51.5 cm
	Imperial (W x D x H)	32.8 x 12.8 x 20.3 in
	<b>Display Head Dimensions (Unpacked without stand)</b>	
	Metric (W x D x H)	71.45 x 4.45 x 41.09 cm
	Imperial (W x D x H)	29.16 x 1.752 x 16.18 in
	<b>Base Area Footprint</b>	
	Metric (W x D x H)	300 x 248 mm
	Imperial (W x D x H)	11.81 x 9.764 in
	<b>Product Weight (Unpacked with stand)</b>	
	Metric	12.16 kg
Imperial	26.81 lb	
<b>Product Weight (Packed)</b>		
Metric	15.28 kg	
Imperial	33.69 lb	
<b>Product Weight (Head Only)</b>		
Metric	7.59 kg	
Imperial	16.733 lb	
<b>Pallet Information</b>	<b>Pallet Dimensions</b>	
	Metric (L x W x H)	985 x 840 x 120 mm / 1310 x 840 x 120 mm
	Imperial (L x W x H)	38.8 x 33.1 x 4.7 in / 51.6 x 33.1 x 4.7 in
	<b>Pallet Total Weight</b>	
	Metric	198.9 kg / 263.5kg
	Imperial	438.1 lbs / 580.4 lbs
	<b>Pallet Layers</b>	4
	<b>Pallet Product per Layer</b>	3 / 4
	<b>Total Products per Pallet</b>	12 / 16
	<b>Container Load, 20-Foot</b>	196 units
<b>Container Load, 40-Foot</b>	392 units	
<b>Container Load, 40-Foot HighQ</b>	392 units	
<b>Options<sup>1</sup></b>	<b>HP B500 PC Mounting Bracket</b>	2DW52AA
	<b>HP UHD USB Graphics Adapter</b>	N2U81AA
	<b>HP Business PC Security Lock v2 Kit</b>	N3R93AA
<b>Software Included</b>	<b>Software included</b>	HP Display Assistant
	<b>What's in the box?</b>	AC power cord (1.9m) 6.2 ft USB C-to-A data cable (1.8m) USB-C-to-C cable (1.8m) DP Cable (1.8m)
<b>Accessories Included</b>		
	<b>User Guide Languages</b>	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.

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<b>Other</b>	<b>Warranty Languages</b>	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.
<b>Service and Warranty</b>	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. <sup>2</sup>	

### *Technical Specifications*

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