

Technical Specifications

HP Z27 27-inch 4K UHD Display

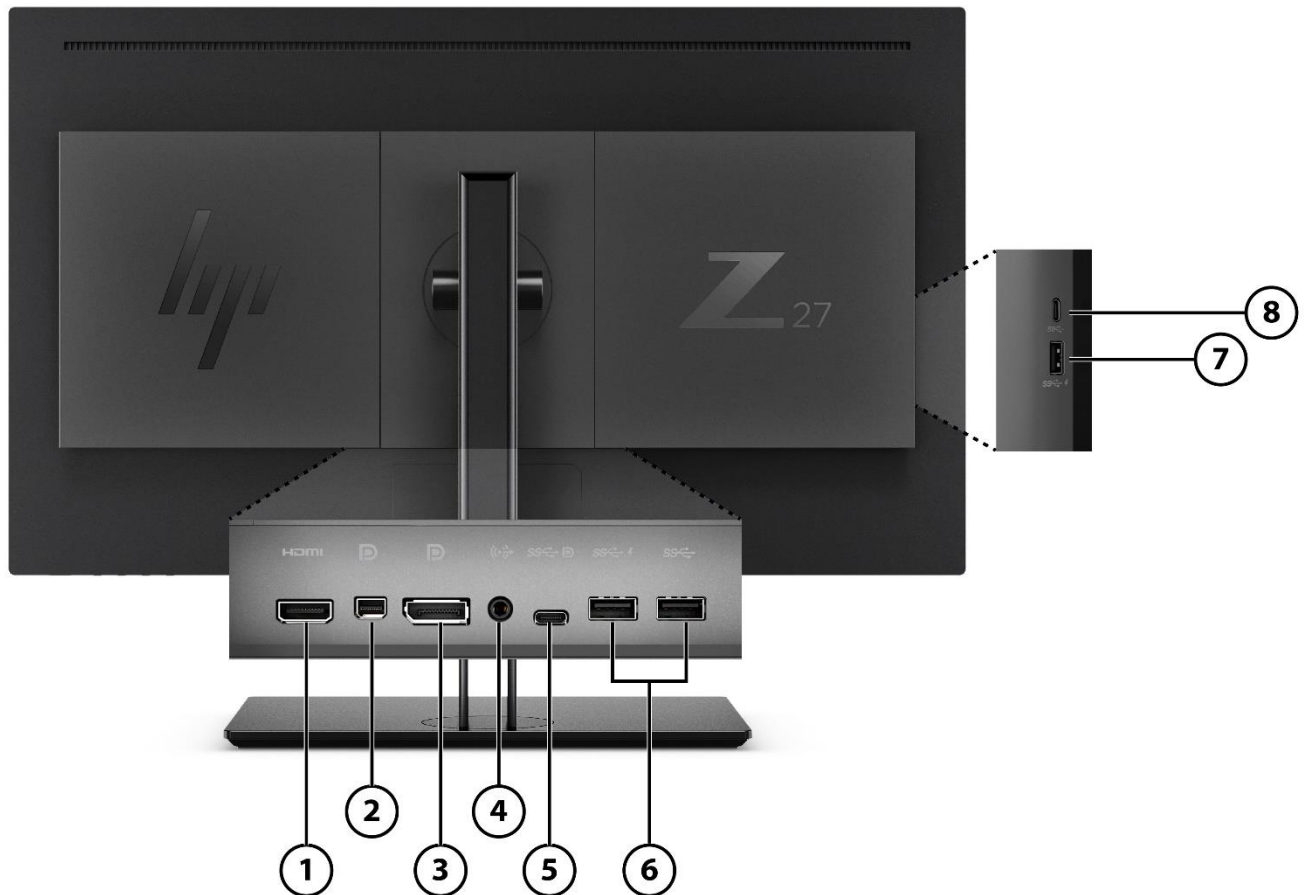


Front

- | | |
|-------------------------|-----------------------------|
| 1. Menu | 4. Next Active Input |
| 2. Viewing Modes | 5. Power button |
| 3. Information | |

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1. **HDMI port**
2. **Mini DisplayPort™**
3. **DisplayPort™**
4. **Audio-out jack**

- Rear
5. **USB Type-C™ port (upstream)**
 6. **USB Type-A ports (downstream)**
 7. **USB Type-A™ port (downstream)**
 8. **USB Type-C™ port (downstream)**

Technical Specifications

Model: 2TB68A4

Panel Specifications*	<p>Display Size 68.58 cm (27")</p> <p>Display Panel Type IPS with LED backlight</p> <p>Micro-Edge Bezel Yes, 3-sided</p> <p>Native Resolution/Timing 4K UHD (3840 x 2160 @ 60 Hz)</p> <p>NOTE: DisplayPort 1.2 or HDMI 2.0 required to drive panel at its native resolution</p> <p>Panel Bit Depth 10-bit (8+2 FRC)</p> <p>Aspect Ratio 16:9</p> <p>Brightness - Typical 350cd/m2</p> <p>Static Contrast Ratio - Typical 1300:1</p> <p>Dynamic Contrast Ratio (DCR) 5,000,000:1 (Typ.)</p> <p>Static Contrast Ratio - Minimum 910:1</p> <p>Pixel Pitch 0.1554 mm x 0.1554 mm</p> <p>Pixels Per Inch (PPI) 163</p> <p>Backlight Lamp Life (to half brightness - in hours) 30,000 hours minimum</p> <p>Anti-Glare Panel Yes</p> <p>Response Time – Typical 8ms (gray-to-gray)</p> <p>*Product default is 14ms response time and can be adjusted to as low as 6ms in the display menu. See user guide for more information. All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.</p>
	<p>Horizontal Viewing Angle (typical CR>10) 178°</p> <p>Vertical Viewing Angle (typical CR>10) 178°</p> <p>Panel Active Area (w x h) 23.49 x 13.21 in 59.67 x 33.56 cm</p>
	<p>Preset Graphic Modes/Supported Resolutions</p> <p>640×480 @60Hz</p> <p>720×400 @70Hz</p> <p>800×600 @60Hz</p> <p>720×480 @60Hz</p> <p>1024×768 @60Hz</p> <p>1280×720 @60Hz</p> <p>1280×768 @60Hz</p> <p>1280×800 @60Hz</p> <p>1280×1024 @60Hz</p> <p>1440×900 @60Hz</p> <p>1600×900 @60Hz</p> <p>1600×1200 @60Hz</p> <p>1680×1050 @60Hz</p> <p>1920×1080 @60Hz</p> <p>1920×1200 @60Hz</p> <p>2560×1440 @60Hz</p> <p>2560×1600 @60Hz</p> <p>3840×2160 @30Hz</p> <p>3840×2160 @60Hz</p>
	<p>Resolution (native with speed) 4K UHD (3840 x 2160 @ 60 Hz)</p> <p>Maximum Resolution 3840 × 2160 @ 60Hz</p> <p>Recommended Resolution 3840 × 2160 @ 60Hz</p> <p>Vertical Scan Range Up to 60 Hz</p> <p>Horizontal Scan Range Up to 135 kHz</p> <p>Maximum Pixel Clock Speed 533.25 MHz</p>

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Color Gamut Coverage	sRGB	99%			
	BT.709	100%			
Color Management	Factory Color Calibrated	Yes			
	Factory Color Presets	BT.709, sRGB D65			
	Default Color Temperature	sRGB D65			
	Low Blue Light Modes	Yes			
Monitor Specifications	Exterior Color of Monitor Bezel	Black Pearl			
	Plug & Play	Yes			
	Tilt	Yes, -5 to +23°			
	Swivel	Yes, 90°			
	Pivot	Yes, 90°			
	Height Adjustment Range	Yes, 150 mm			
	VESA Mounting	Yes (one set of standard 4-hole pattern, 100 mm).			
	Security Lock Ready	Yes			
	Detachable Base	Yes, ships detached			
	Warranty	3/3/0			
On Screen Display (OSD)	On Screen Display User Controls	Brightness			
		Contrast			
		Color Control			
		Input Control			
		Image Control			
		PIP Control			
		Power Control			
		Menu Control			
		Management			
		Information			
Connector Types	Monitor Control Buttons or Switches	Exit			
		Menu			
		Viewing Modes			
		Information			
		Next Active Input			
		Power			
		Yes, 3			
		10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)			
		USB Port Specifications	User-Assignable Function Buttons	Yes, 3	
				10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)	
Languages	Yes, 3				
	10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)				
	Connector Types			DisplayPort™	1, DisplayPort™1.2
				Mini DisplayPort™	1, Mini DisplayPort™ 1.2
		HDMI	1, HDMI2.0		
		USB Type-C™	2, 1 upstream (rear) and 1 downstream (side)		
HDCP Support		Yes, HDCP1.4 for DP and HDCP2.2 for HDMI			
Audio Output		1, Line out			
USB Port Specifications	USB Version	3.0			
		USB Hub	Yes		
		Downstream Ports	3 USB-A downstream ports		
		Fast Charging USB Ports	3 Ports		
		Power Output Maximum	7.5W (BC1.2)		

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USB-Type C™ Port Specifications	USB-Type C™ Version	USB 3.1 Gen1 / 5G bps
	Downstream USB-Type C™ Ports	1 Port (side)
	Upstream USB-Type C™ Ports	1 Port (rear)
	Video Support	Rear: USB-C™ Alt mode – DisplayPort™ 1.2
Power Output	Power Output	Rear: 5V/3A, 9V/3A, 10V/5A, 12V/5A 15V/4.33A, 20V/3.25A Side: 5V/1.5A; 5V/3A
	Power Output Maximum	Rear: 65W Max Side: 15W Max
	Special Features	Picture-in-Picture, Picture-by-Picture Yes, 2 PIP/PBP
	Remote Manageability	No
Power & Operating Specs	Power Supply	Internal
	Power Source	100 - 240 VAC 50/60 Hz
	Power Consumption – Maximum	185W
	Energy Saving/Standby Mode	0.5W
	Power Consumption – Typical	70W
	Power cable length	1.9 m
ENERGY STAR® Data	Operational Mode at 100 VAC	31.35W
	Operational Mode at 115 VAC	31.42W
	Operational Mode at 230 VAC	30.51W
EU ENERGY EFFICIENCY CLASS (EC1062)	On-mode Power Consumption (EC 1062/2010)	42W
	Annual Power Consumption (EC 1062/2010)	62 kWh
	Energy Efficiency Class (EC 1062/2010)	B
	Visible Screen Size	27"/68,47 cm Diagonal
Operating Conditions	Operating Temperature - Celsius	5°C to 35°C
	Operating Temperature - Fahrenheit	41°F to 95°F
	Non-operating Temperature - Celsius	-34°C to -60°C
	Non-operating Temperature - Fahrenheit	-29°F to -140°F
	Operating Humidity	20 - 80% Relative humidity (non-condensing)
	Non-operating Humidity	5% - 95%
	Operating Altitude	0 - 5000m (16.400 ft.)
Non-operating Altitude	0 - 12.192m (40.000 ft.)	
Environmental Features and Certifications	Mercury-free LED display backlighting	Yes
	Arsenic-Free Display Glass	Yes
	Low Halogen	Yes GSE HP-00011-01B, table 2 defines low-halogen (BFR, CFR, PVC)
	NOTE: External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.	
Agency Approvals and Certifications	WW application CE, CB, KC/KCC/ICE/TUV-S/ISO 9241-307/ GS/ Low Blue Light/ BIS/ EAC/ UL/ PSB/ CCC/ CEL/ CECP/ SEPA/TCO/Energy Star/ISC/VCCI/FCC/BSMI/WEEE	

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	Microsoft WHQL Certification	Win 10, Win 8, Win 7
	ENERGY STAR® Qualified	Yes, ENERGY STAR® 7
	EPEAT® Registered	EPEAT® Gold
	NOTE: EPEAT® Gold/Silver/Bronze registered in most countries. See www.epeat.net for registration status by country.	
	China Energy Label	CEL Grade 2
	TCO Certified	Yes
	SmartWay Transport Partnership - NA only	Yes (NA SKU)
CONTAINS RECYCLED PLASTICS	Contains Recycled Plastics in Back Cover	0.35
	Contains Recycled Plastics in Base/Stand	0.35
	Contains Recycled Plastics in Other Parts	20.7%
	Recyclable Plastics	Back cover, Middle cover, VESA cover, Hinge cover, Base top cover, Base bottom cover, Column back cover, Column front cover
	Recyclable Packaging (Box, packing materials)	Carton, Paper Board, Corner Paper
Unit Product/Package Specifications	Product Dimensions Unpacked with stand (W x D x H)	61.41 x23.0x50.98cm 24.18 x9.06x20.07in
	Product Dimensions Packed (W x D x H)	72.4 x 32.2 x 48 cm 28.5 x12.7x18.9in
	Display Head Dimensions Unpacked without stand (W x D x H)	61.41 x5.45x36.54cm 24.18 x2.23x14.38in
	Base Area Footprint	316x230mm 12.44x9.06 in
	Bezel Measurements	bottom19.27 mm bottom0.76 in
	Product Weight Unpacked	9.38kg 20.68lb
	Product Weight Packed	11.61kg 25.6lb
	Product Weight (Head Only)	6.21kg 13.69lb
Pallet Information	Pallet Dimensions Metric (L x W x H)	980 x 730 x 120 mm / 1300 x 730 x 120 mm
	Imperial (L x W x H)	38.6 x 28.7 x 4.7 in / 51.2 x 28.7 x 4.7 in
	Pallet Total Weight Metric (L x W x H)	154.62 kg / 203.26 kg
	Imperial (L x W x H)	340.6 lb / 447.7 lb
	Pallet Layers	4
	Pallet Product per Layer	3 / 4
	Container Load, 20-Foot	12 / 16
	Container Load, 40-Foot	224 units
	Container Load, 40-Foot HighQ	448 units
Software Included		HP Display Assistant
What's in the box?	Documentation	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)

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	User Guide 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.
Other	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.
Service and 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. ¹	

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