

Technical Specifications

HP Z27 27-inch 4K UHD Display



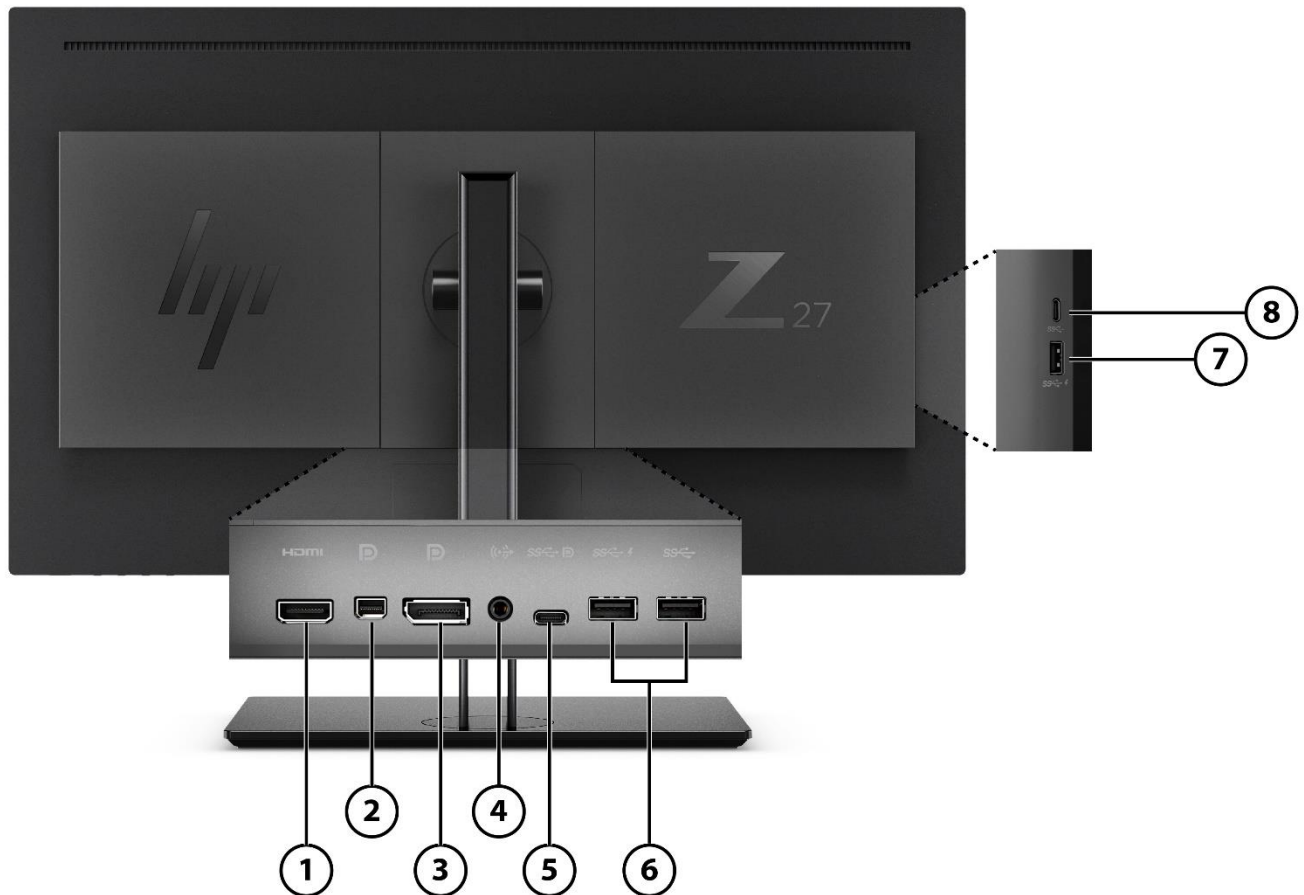
1. **Menu**
2. **Viewing Modes**
3. **Information**

Front

4. **Next Active Input**
5. **Power button**

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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)**

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Model: 2TB68A4

Panel Specifications*	Display Size	68.58 cm (27")
	Display Panel Type	IPS with LED backlight
	Micro-Edge Bezel	Yes, 3-sided
	Native Resolution/Timing	4K UHD (3840 x 2160 @ 60 Hz)
	NOTE: DisplayPort 1.2 or HDMI 2.0 required to drive panel at its native resolution	
	Panel Bit Depth	10-bit (8+2 FRC)
	Aspect Ratio	16:9
	Brightness - Typical	350cd/m2
	Static Contrast Ratio - Typical	1300:1
	Dynamic Contrast Ratio (DCR)	5,000,000:1 (Typ.)
	Static Contrast Ratio - Minimum	910:1
	Pixel Pitch	0.1554 mm x 0.1554 mm
	Pixels Per Inch (PPI)	163
	Backlight Lamp Life (to half brightness - in hours)	30,000 hours minimum
	Anti-Glare Panel	Yes
	Response Time – Typical	8ms (gray-to-gray)
	*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.	
	Horizontal Viewing Angle (typical CR>10)	178°
	Vertical Viewing Angle (typical CR>10)	178°
	Panel Active Area (w x h)	23.49 x 13.21 in 59.67 x 33.56 cm
Preset Graphic Modes/Supported Resolutions	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	
Resolution (native with speed)	4K UHD (3840 x 2160 @ 60 Hz)	
	Maximum Resolution	3840 × 2160 @ 60Hz
	Recommended Resolution	3840 × 2160 @ 60Hz
	Vertical Scan Range	Up to 60 Hz
	Horizontal Scan Range	Up to 135 kHz
Maximum Pixel Clock Speed		533.25 MHz

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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 Languages	
Connector Types	DisplayPort™	1, DisplayPort™1.2
		1, Mini DisplayPort™ 1.2
		1, HDMI2.0
		2, 1 upstream (rear) and 1 downstream (side)
		Yes, HDCP1.4 for DP and HDCP2.2 for HDMI
		1, Line out
USB Port Specifications	USB Type-C™	
USB Port Specifications	HDCP Support	
USB Port Specifications	Audio Output	
USB Port Specifications	USB Version	3.0
USB Port Specifications	USB Hub	Yes
		3 USB-A downstream ports
		3 Ports
		7.5W (BC1.2)
USB Port Specifications	Downstream Ports	
USB Port Specifications	Fast Charging USB Ports	
USB Port Specifications	Power Output Maximum	

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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	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, ENERY STAR® 7		
	EPEAT® 2019 Registered	Yes		
	NOTE: Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit http://www.epeat.net for more information.			
	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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Change Log	
V1 to V2 October 12, 2018	Added USB-C-to-C cable (1.8m)
V2 to V3 May 28, 2019	Updated EPEAT
V3 to v4 May 29, 2019	Updated Response time