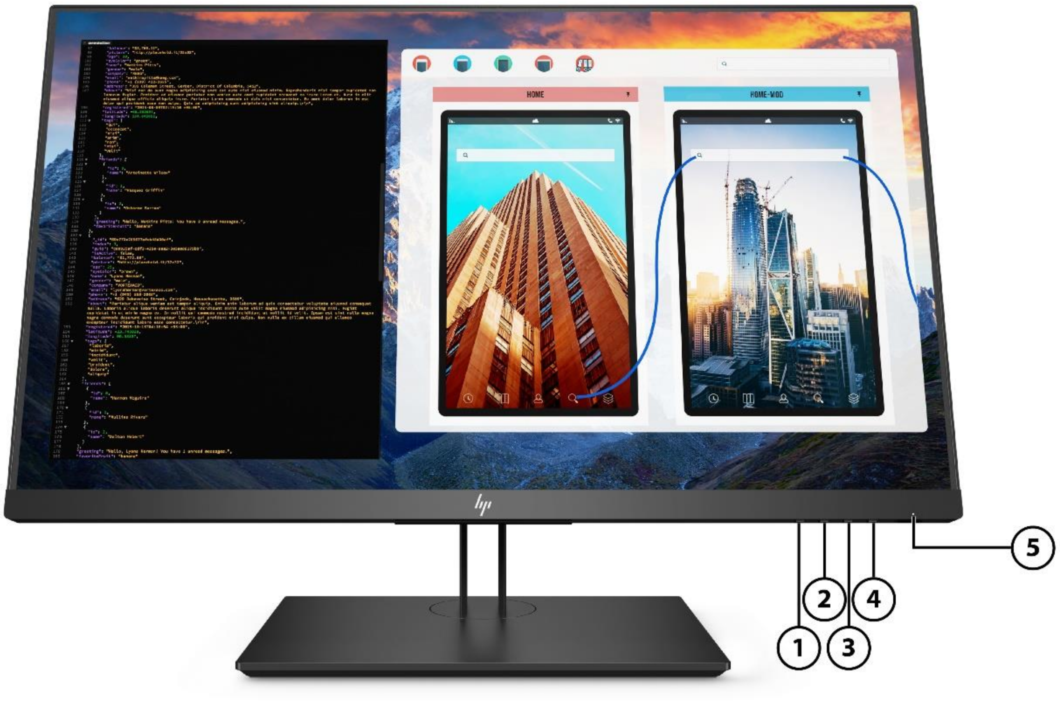
Technical Specifications

HP Z27 27-inch 4K UHD Display



Front

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

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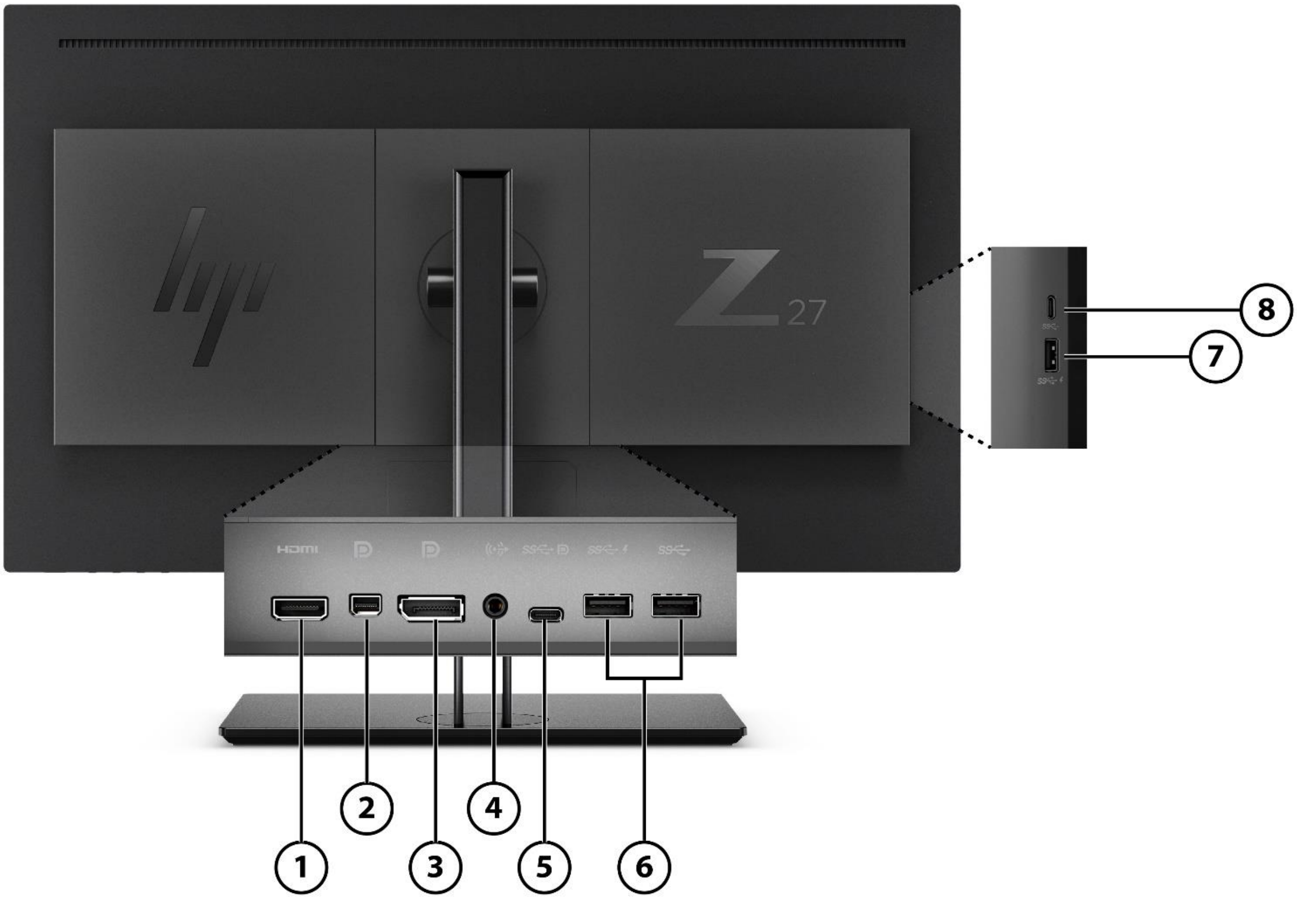

Rear

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

*All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

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 Exit
	Monitor Control Buttons or Switches	Menu Viewing Modes Information Next Active Input Power
	User-Assignable Function Buttons	Yes, 3
	Languages	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)

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

	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)

Technical Specifications

	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