

Technical Specifications

HP Z27xs G3 4K USB-C DreamColor Display



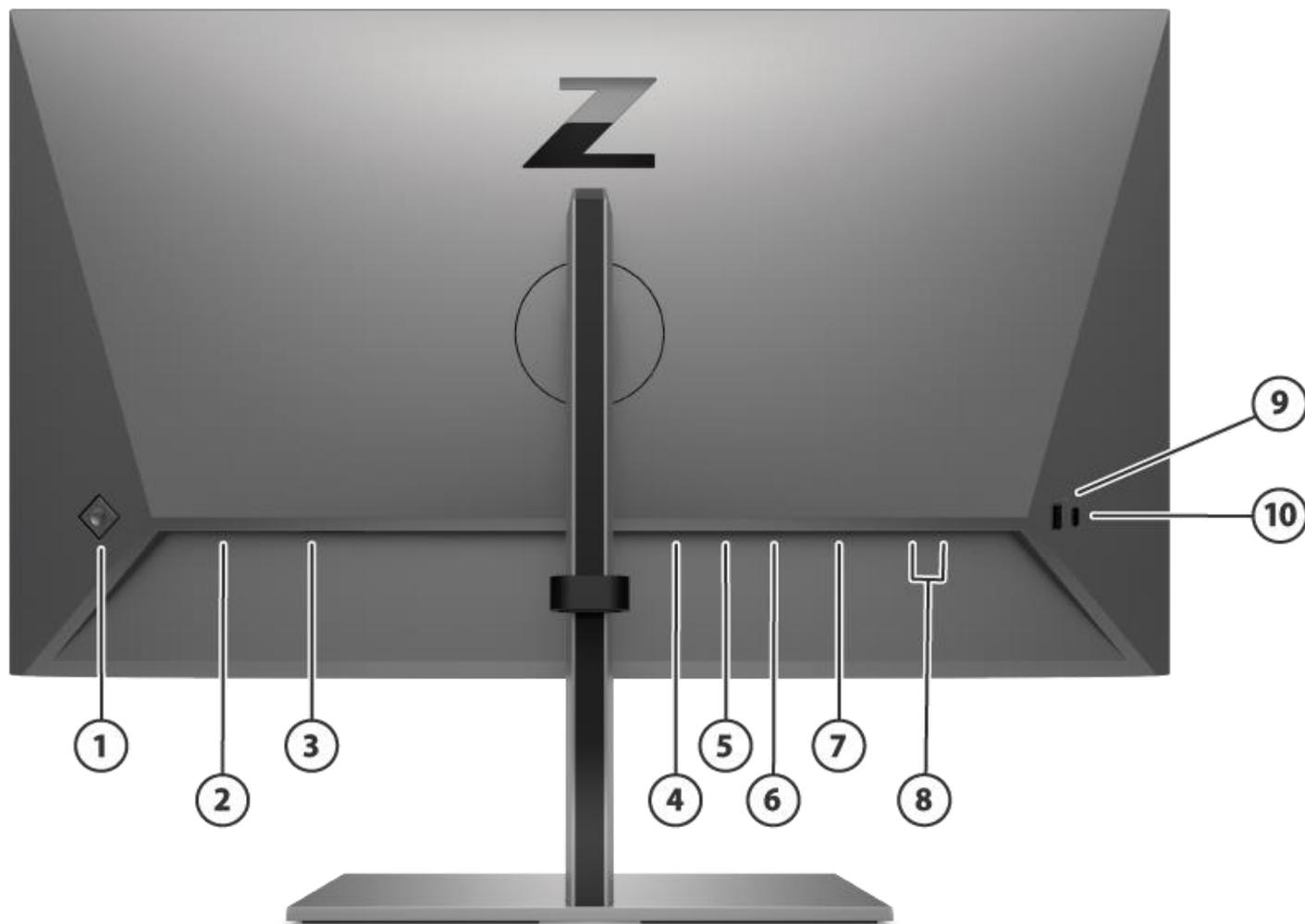
Front

1. Brightness Buttons

2. Power Button

Technical Specifications

HP Z27xs G3 4K USB-C DreamColor Display



Back

1. OSD Joypad Control
2. Security Cable Slot
3. Power Connector
4. HDMI Port
5. DisplayPort™
6. DisplayPort™ Out
7. USB Type-C™ Port (DP Alt Mode 1.4, power delivery up to 100W)
8. USB Type-A™ Ports 3.0
9. USB Type-A™ Port 3.0
10. USB Type-C™ Port (Data only, power delivery up to 15W)

Technical Specifications

Models: 1A9M8AA

Panel Specifications	<p>Display Size (Diagonal) 27-in</p> <p>Panel Technology IPS Oxide</p> <p>Refresh Rate 60 Hz</p> <p>Resolution 3840 x 2160 (UHD)</p> <p>Panel Bit Depth 10-bit (8+2 FRC)</p> <p>Aspect Ratio 16:9</p> <p>Brightness (Typical) 266 nits</p> <p>HDR Peak Brightness (Typical) 600 nits</p> <p>Contrast Ratio (Static) 1300:1</p> <p>Contrast Ratio (HDR) 1300:1</p> <p>Pixel Pitch 0.15544 mm</p> <p>Pixels Per Inch (PPI) 163 PPI</p> <p>Backlight Lamp Life Minimum (To Half Brightness - In Hours) 30,000</p> <p>Backlight Type Edge-lit</p> <p>Screen Treatment Anti-glare</p> <p>Hardness 3H</p> <p>Haze 25%</p> <p>Response Time (Typical) 14 ms</p> <p>Horizontal Viewing Angle (Typical Cr>10) 178°</p> <p>Vertical Viewing Angle (Typical Cr>10) 178°</p> <p>Panel Active Area Metric (Width) 596.736 mm</p> <p>Panel Active Area Metric (Height) 335.664 mm</p> <p>Flicker Free Yes (SDR mode only)</p> <p>NOTE: Performance Specifications Represent The Typical Specifications Provided By HP's Component Manufacturers; Actual Performance May Vary Either Higher Or Lower.</p> <p>HP-applied uniformity compensation to each Z27xs G3 display, which brings the typical uniform peak luminance down to 266 cd/m² from a 450 cd/m² native peak brightness. Display supports luminance calibration up to 266 cd/m², reserving any luminance headroom for panel aging compensation.</p>
Color Management	<p>Factory Color Calibrated Yes (Delta E <=2)</p> <p>Calibrated Color Presets Design for web, Design for print, Photography, HD video (Pantone Validated)</p> <p>User Calibration Support Host software (Windows or macOS)</p> <p>Default Color Temperature Photography (P3 D65)</p> <p>sRGB 99%</p> <p>P3 D65 98%</p>
Monitor Specifications	<p>Bezel 4-sided Micro Edge</p> <p>Color (Head) Turbo Silver ; (Stand) Turbo Silver</p> <p>Tilt -5 to +20°</p> <p>Swivel ±45°</p> <p>Pivot ±90</p> <p>Height Adjust Range 150 mm</p> <p>VESA Mounting 100 mm x 100 mm (bracket included)</p> <p>Security Lock Ready Standard Security Lock Slot</p> <p>Detachable Stand Yes</p> <p>Warranty 3/3/0 for LA, NA, EMEA, APJ; (3/3/3 in select APJ Countries)</p> <p>Low Blue Light Yes (TÜV certified)</p> <p>Zero Bright Dot Warranty Yes</p> <p>Display Software HP Display Center</p>

Technical Specifications

	On Screen Display	Brightness +, Color, Image, Input, Power, Menu, Management, Information, Exit
	User-Assignable Function Buttons	Yes, 4 buttons
	Native Resolution	4K UHD (3840 x 2160)
	NOTE: Apply to high resolution and/or high frame rate displays only. CONFIRM WITH EPM whether disclaimer applies.	
	Maximum Resolution	4K UHD (3840 x 2160) 640 x 480 @60Hz 720 x 400 @70Hz 800 x 600 @60Hz 1024 x 768 @60Hz 1280 x 720 @60Hz 1280 x 800 @60 Hz 1280 x 1024@60Hz 1440 x 900 @60Hz 1600 x 900 @60Hz 1680 x 1050 @60Hz 1920 x 1080 @60Hz 1920 x 1200 @60Hz 2560 x 1440 @60Hz 3840 x 2160 @60Hz
	Preset Graphic Modes/Supported Resolutions	40 Hz 60 Hz 30.0 kHz 135.0 kHz 600.0 MHz
	Minimum Vertical Scan Rate	Yes
	Maximum Vertical Scan Rate	10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
	Minimum Horizontal Scan Rate	
	Maximum Horizontal Scan Rate	
	Maximum Pixel Clock	
	User Programmable Modes	
	Languages	
Connector Types	DisplayPort™	1 DisplayPort™ 1.4
	DisplayPort™ Out	1 DisplayPort™ 1.4
	HDMI	1 HDMI 2.0
	HDCP	Yes, DisplayPort and HDMI
	USB Type-C™ Video Input	1 USB Type-C™ (DP Alt Mode 1.4, power delivery up to 100W)
	USB Type-C™ Data	1 USB Type-C™ (Data only, power delivery up to 15W)
Special Features	USB-A	3 USB-A 3.2 Gen 1
	Picture-In-Picture, Picture-By-Picture	Yes
	DaisyChain/DisplayPort Multi stream Transport (MST)	Yes
	User Updateable Firmware	Yes
Power & Operating Specs	Power Supply	Internal
	Power Source	100 – 240 VAC 50/60 Hz
Operating Conditions	Operating Temperature - Celsius	5° – 35°C
	Operating Temperature - Fahrenheit	41° – 95°F
	Non-Operating Temperature - Celsius	-40° – 65°C
	Non-Operating Temperature - Fahrenheit	-40° – 149°F
	Operating Humidity	20 – 80% Relative Humidity (non-condensing)
	Non-Operating Humidity	5 – 95%
	Operating Altitude	0 – 5,000 m (16,400 ft.)
	Non-operating Altitude	0 – 12.192 m (40,000 ft.)

Technical Specifications

Environmental Features and Certifications	Mercury-free LED display backlighting	Yes	
	Arsenic-Free Display Glass	Yes	
	Low Halogen	Yes	
	Agency Approvals And Certifications	WW application	CE,CB,KC/KCC/NOM/PSB/ICE/TUV-S/ISO 9241-307/ EAC/GS/BIS/cTUVus/Low Blue
		Light/UAE/Ukraine/CSA/PSB/ISC/CCC/CEL/CECP/SEPA/TCO	TCO Certified Edge/Energy Star/ERP
		ISC/VCCI/FCC/BSMI/WEEE	
	Microsoft Whql Certification	Yes	
	Energy Star® Certified	Yes	
	EPEAT® Registered	Yes	
Regions Need To Verify By Country	Yes		
China Energy Label			
TCO Certified Edge	Yes		
TCO Certified	Yes		
Smartway Transport Partnership - NA Only	Yes		

*External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.

NOTE: DisplayPort™ and the DisplayPort™ logo are trademarks owned by the Video Electronics Standards Association (VESA®) in the United States and other countries.

EU Energy Efficiency Class (ERP Lot-5)	Energy Efficiency Class	G	
Contains Recycled Plastics	Contains Recycled Plastics	ABS 85%	
	Recyclable Packaging (Box, packing materials)	100% recyclable packaging.	
Unit Product/Package Specifications	Product Dimensions (Unpacked with stand) (W x D x H)	60.8 x 21.5 x 52.9 cm	23.9 x 8.5 x 20.8 in
	Product Dimensions (Packed) (W x D x H)	69.5 x 16.0 x 42.1 cm	27.4 x 6.3 x 16.6 in
	Display Head Dimensions (Unpacked without stand) (W x D x H)	60.8 x 4.6 x 35.5 cm	23.9 x 1.8 x 14.0 in
	Base Area Footprint (w x d mm)	26.6 x 21.5 mm	10.5 x 8.5 in
	Product Weight (Unpacked with stand)	7.8 kg	17.2 lb
	Product Weight (Packed)	11.2 kg	24.6 lb
	Product Weight (Head Only)	5.9 kg	13 lb
What's in the box?	Monitor assembly Documentation kit HDMI2.0 Cable (1.8m) DP1.4 Cable (1.8m) USB3.2 Gen2 Type C to C (1m) USB3.1 Gen1 Type C to A (1.8m) Power cable VESA Adapter Cable Holder		

Technical Specifications

**User Guide and
Warranty Languages**

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.

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.

Technical Specifications

Copyright © 2021 HP Development Company, L.P.

The information contained herein is subject to change without notice. The only warranties for HP products are set forth in the express limited warranty statements accompanying such products. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Microsoft and Windows are registered trademarks or trademarks of Microsoft Corporation in the U.S. and/or other countries. ENERGY STAR is a registered trademark owned by the U.S. Environmental Protection Agency.

