

Technical Specifications

HP Z27xs G3 4K USB-C DreamColor Display



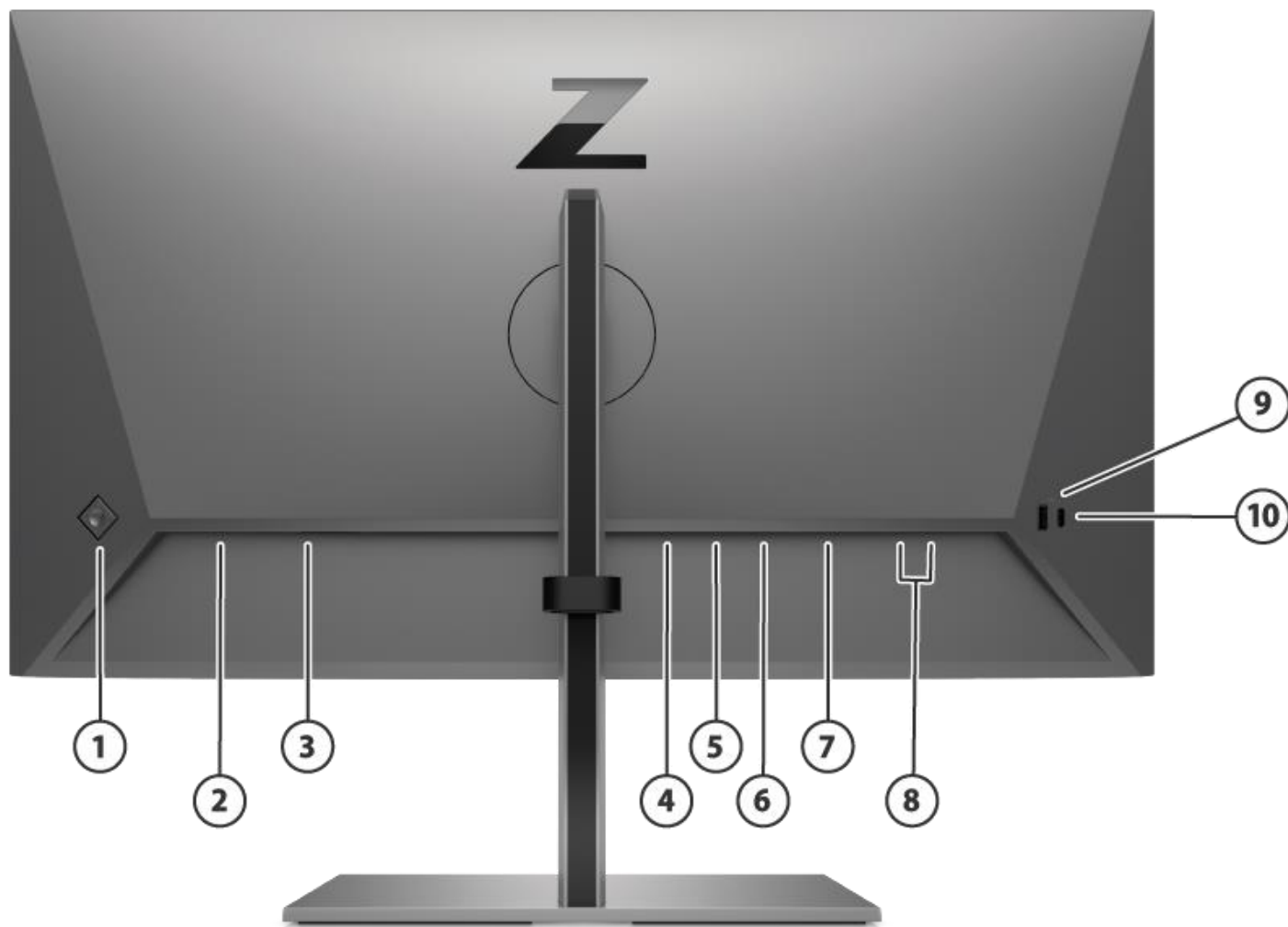
Front

1. Brightness Buttons

2. Power Button

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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	Display Size (Diagonal)	27-in
	Panel Technology	IPS Oxide
	Refresh Rate	60 Hz
	Resolution	3840 x 2160 (UHD)
	Panel Bit Depth	10-bit (8+2 FRC)
	Aspect Ratio	16:9
	Brightness (Typical)	266 nits
	HDR Peak Brightness (Typical)	600 nits (VESA DisplayHDR 600 Certified)
	Contrast Ratio (Static)	1300:1
	Contrast Ratio (HDR)	1300:1
	Pixel Pitch	0.15544 mm
	Pixels Per Inch (PPI)	163 PPI
	Backlight Lamp Life Minimum (To Half Brightness - In Hours)	30,000
	Backlight Type	Edge-lit
	Screen Treatment	Anti-glare
	Hardness	3H
	Haze	25%
	Response Time (Typical)	14 ms
	Horizontal Viewing Angle (Typical Cr>10)	178°
	Vertical Viewing Angle (Typical Cr>10)	178°
	Panel Active Area Metric (Width)	596.736 mm
	Panel Active Area Metric (Height)	335.664 mm
	Flicker Free	Yes (SDR mode only)

NOTE: Performance Specifications Represent The Typical Specifications Provided By HP's Component Manufacturers; Actual Performance May Vary Either Higher Or Lower.

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.

Color Management	Factory Color Calibrated	Yes (Delta E <=2)
	Calibrated Color Presets	Design for web, Design for print, Photography, HD video (Pantone Validated)
	User Calibration Support	Host software (Windows or macOS)
	Default Color Temperature	Photography (P3 D65)
	sRGB	99%
	P3 D65	98%

Monitor Specifications	Bezel	4-sided Micro Edge
	Color	(Head) Turbo Silver; (Stand) Turbo Silver
	Tilt	-5 to +20°
	Swivel	±45°
	Pivot	±90
	Height Adjust Range	150 mm
	VESA Mounting	N/A

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Security Lock Ready	Standard Security Lock Slot
Detachable Stand	Yes
Warranty	3/3/0 for LA, NA, EMEA, APJ; (3/3/3 in select APJ Countries)
Low Blue Light	Yes (TÜV certified)
Zero Bright Dot Warranty	Yes
Display Software	HP Display Center
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	
Minimum Vertical Scan Rate	40 Hz
Maximum Vertical Scan Rate	60 Hz
Minimum Horizontal Scan Rate	30.0 kHz
Maximum Horizontal Scan Rate	135.0 kHz
Maximum Pixel Clock	600.0 MHz
User Programmable Modes	Yes
Languages	10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
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)
USB-A	3 USB-A 3.2 Gen 1
Special Features	
Picture-In-Picture, Picture-By-Picture	Yes
DaisyChain/DisplayPort Multi stream Transport (MST)	Yes
User Updateable Firmware	Yes
Power Supply	Internal

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Power & Operating Specs	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.)
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
	<p>*External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.</p>	
	<p>NOTE: DisplayPort™ and the DisplayPort™ logo are trademarks owned by the Video Electronics Standards Association (VESA®) in the United States and other countries.</p>	
EU Energy Efficiency Class (ERP Lot-5)	SDR On-Mode Power Consumption	30 kwh/1000 h
	HDR On-Mode Power Consumption	70 kwh/1000 h
	SDR Energy Efficiency Class	G
	HDR Energy Efficiency Class	G
Contains Recycled Plastics	Contains Recycled Plastics	ABS 85%
	Recyclable Packaging (Box, packing materials)	100% recyclable packaging.

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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	
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.	

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Summary

Change Log

Change Log			
March 9, 2021	V1 to V2		Energy Efficiency Class
April 16, 2021	V2 to V3	Update	VESA Mounting Specs
May 4, 2021	V3 to V4	Update	Energy Efficiency Class
	V4 to V5		