QuickSpecs

Technical Specifications

HP Z27q G3 QHD Display

Front

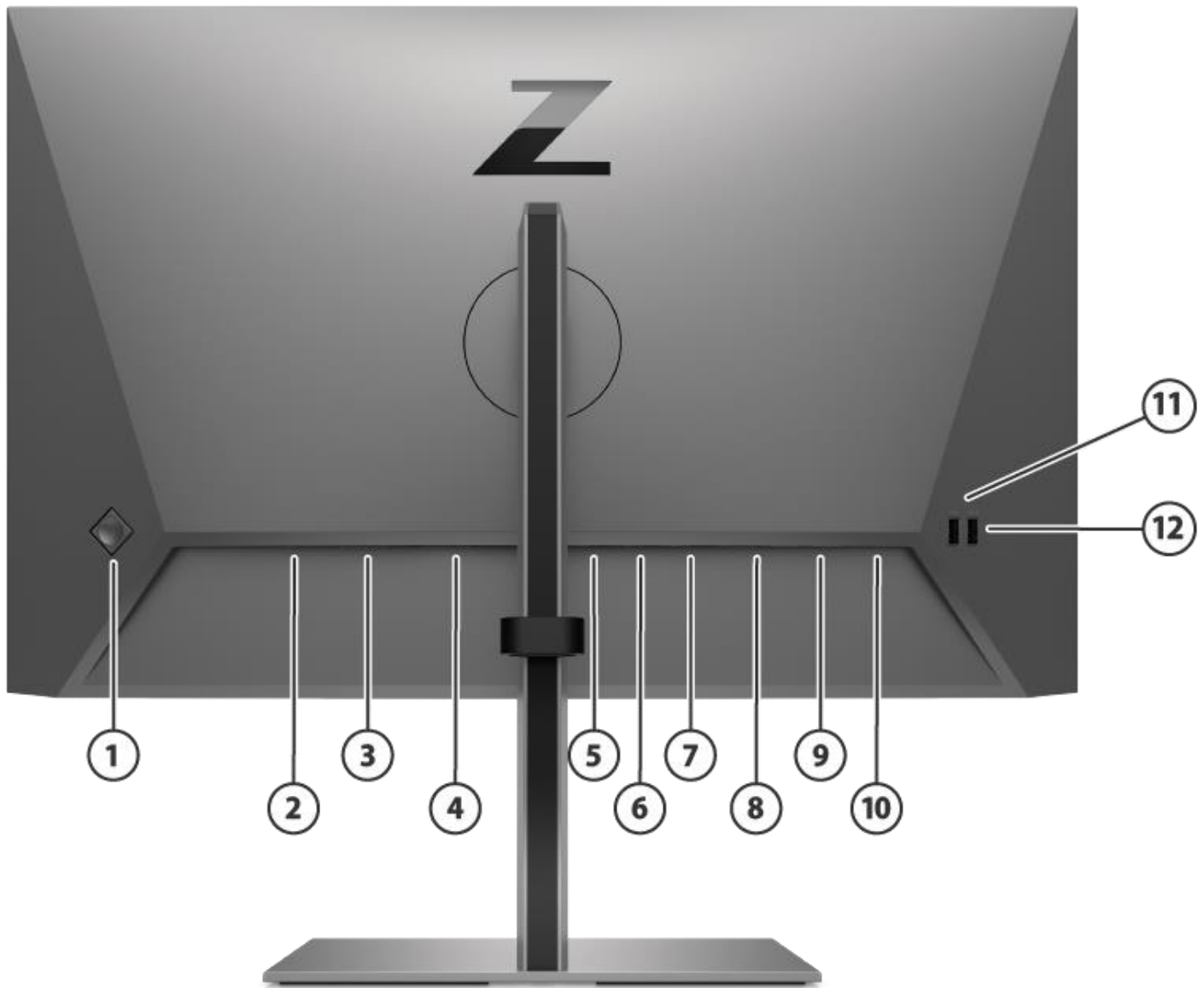1. Power button

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Back

1. OSD control
2. Security cable slot
3. Master power switch
4. Power connector
5. HDMI port
6. DisplayPort™ connector
7. DisplayPort™ connector (out)
8. USB Type-B port (upstream)
9. USB port
10. USB port (Battery charging 1.2, 7.5W)
11. USB Port
12. USB port (Battery charging 1.2, 7.5W)

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Panel Specifications		
	Display Size (Diagonal)	27"
	Panel Technology	IPS
	Refresh Rate	60 Hz
	Panel Bit Depth	8 bit
	Aspect Ratio	16:9
	Brightness (Typical)	350 nits
	Contrast Ratio (Static)	1000:1
	Dynamic Contrast Ratio	10M:1
	Flicker Free	Yes
	Pixel Pitch	0.2331mm
	Pixels Per Inch (Ppi)	109 PPI
	Backlight Lamp Life Minimum (To Half Brightness - In Hours)	40k
	Backlight Type	Edge-lit
	Screen Treatment	Anti-glare
	Hardness	3H
	Haze	25%
	Response Time (Typical)	5ms GtG (with overdrive)
	Horizontal Viewing Angle (Typical Cr>10)	178°
	Vertical Viewing Angle (Typical Cr>10)	178°
	Panel Active Area (W X H)	596.736(H)*335.664(V)

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

Color Management		
	Factory Color Calibrated	Yes (Delta E <=2)
	Calibrated Color Presets	sRGB, BT.709, P3 D65 (Production after Feb '21)
	RGB Channel Adjust	Yes, Gain
	Default Color Temperature	sRGB

Color		
	sRGB	99 %
	P3 D65	85%

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	150mm
	VESA Mounting	100 mm x 100 mm (bracket included)
	Security Lock Ready	Standard Security Lock Slot
	Detachable Stand	Yes
	Warranty (Number Of Years)	3/3/0 for LA, NA, EMEA, APJ; (3/3/3 in select APJ Countries)
	Low Blue Light Mode	Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)
	Display Management Software	HP Display Center
	On Screen Display	Joystick
	On Screen Controls	Brightness +, Color, Image, Input, Power, Menu, Management, Information, Exit
	User-Assignable Function Buttons	Yes, 4 buttons
	Native Resolution	QHD (2560 x 1440)
	Maximum Resolution	2560 x 1440 @ 60HZ

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	Preset Graphic Modes/Suppoed Resolutions	640 x 480@60Hz 800 x 600@60Hz 1024 x 768@60HZ 1280 x 720@60Hz 1280 x 1024@60Hz 1440 x 900@60Hz 1600 x 900@60Hz 1600 x 1200@60Hz 1680 x 1050@60Hz 1920 x 1080@60Hz 1920 x 1200@60Hz 2560 x 1440@60Hz
	High Definition Video Formats	720 x 480p@60Hz 720 x 480i@60Hz 1280 x 720p@60Hz 720 x 576i@50Hz 720 x 576p@50Hz 1280 x 720p@50Hz 1920 x 1080p@50Hz 1920 x 1080p@60Hz 1920 x 1080i@50Hz 1920 x 1080i@60Hz 640 x 480p@60Hz
	Minimum Vertical Scan Rate	50 Hz
	Maximum Vertical Scan Rate	60 Hz
	Minimum Horizontal Scan Rate	30.0 kHz
	Maximum Horizontal Scan Rate	90.0 kHz
	Maximum Pixel Clock	250 MHz
	User Programmable Modes	10
	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 out
	HDMI	1 HDMI 2.0
	USB- A	4 USB-A 3.2 Gen1 (2 for battery charging 1.2, 7.5W)
	USB-B (Hub enablement)	1 USB-B
Special Features	**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
	Power Consumption- MAX	69 W
	Energy Saving/Stand By Mode	0.5 W
	Power Consumption- Typical	35 W
	Power Cable Length	1.9m
ENERGY STAR Data	**Operational Mode at 100 VAC**	18.36 W
	Operational Mode at 115 VAC	18.28 W
	Operational Mode at 230 VAC	18.34 W

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EU Energy Efficiency Class (ERP Lot-5)	**On-mode Power Consumption**	23 W	
	Annual Power Consumption	34 kWh	
	Energy Efficiency Class	F	
Operating Conditions	**Operating Temperature - Celsius**	5° – 35°C	
	Operating Temperature - Fahrenheit	41° – 95°F	
	Non-Operating Temperature - Celsius	–34° – 60°C	
	Non-Operating Temperature - Fahrenheit	29° – 140°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, Mercury-free LED backlighting	
	Arsenic-Free Display Glass	Yes	
	Low Halogen	Yes	
	Agency Approvals And Certifications	WW application CE,CB,KC/KCC/NOM/PSB/EAC/GS/TUV-S/ISO 9241-307/ Low Blue Light/ BIS/cTUVus/CCC/CEL/CECP/SEPA/Energy Star/TCO/TCO Certified Edge/VCCI/FCC/BSMI/WEEE/UAE/Ukraine/ERP/ISC	
	Microsoft WHQL Certification	Yes	
	ENERGY STAR® Certified	Yes	
	EPEAT® Registered Regions need to verify by country	Yes	
	China Energy Label	CEL Grade 1	
	TCO Certified Edge	Yes	
	TCO Certified	Yes	
	SmartWay Transport Partnership - NA only	Yes (NA sku)	
Contains Recycled Plastics	**Contains Recycled Plastics**	81.40%	
	Recyclable Packaging (Box, packing materials)	100% recyclable packaging.	
Unit Product/Package Specifications	**Product Dimensions** (Unpacked with stand) (W x D x H)	61.23 x 20.5x 53.04 cm	24.11x8.07 x 20.88 in
	Product Dimensions (Packed) (W x D x H)	69.8*42.3*16.3 cm	27.48 x 16.65 x 6.42 in
	Display Head Dimensions (Unpacked without stand) (W x D x H)	61.23x3.89x 35.61 cm	24.11x 1.53 x 14.02 in
	Base Area Footprint (w x d mm)	246 x 205 mm	9.69 x 8.07 in
	Bezel Measurements - Metric	Bottom Cover: 601.8mm	Bottom Cover: 23.69in
	Product Weight (Unpacked with stand)	5.8 kg	12.8 lb
	Product Weight (Packed)	9.1 kg	19.8 lb
	Product Weight (Head Only)	4.3 kg	9.48lb
What's in the box?	Documentation kit DP1.4 Cable (1.8m)		

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HDMI 2.0 cable (1.8m, Production after May'21)
USB 3.0 Type A to B (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.

Technical Specifications

Summary

Change Log			
January 12, 2021	V1 to V2	Update	Technical Specifications
February 28, 2021	V2 to V3	Update	Energy Efficiency Class
April 16, 2021	V3 to V4	Update	VESA Mounting Specs
June 1, 2021	V4 to V5	Update	Color Management
June 24, 2021	V5 to V6	Update	What's in the box? section
March 22, 2023	V6 to V7	Update	VESA Mounting specs