Technical Specifications

HP Z27q G3 QHD Display

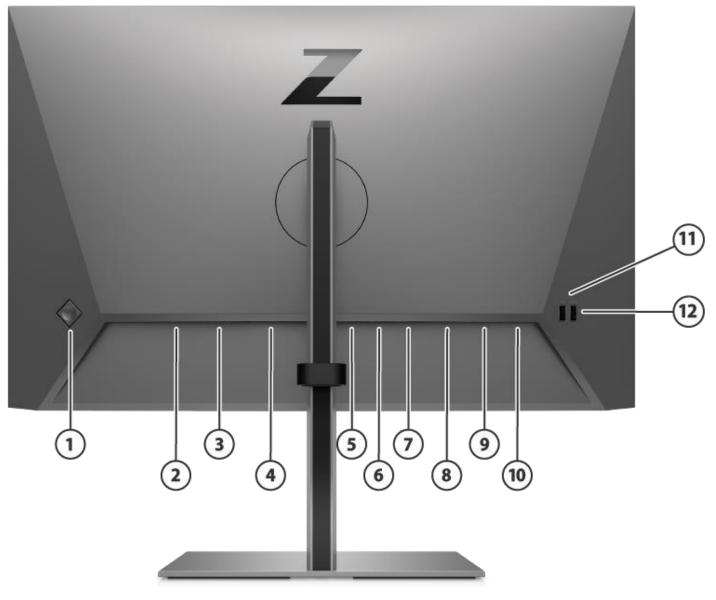


Front

1. Power button

Technical Specifications

HP Z27q G3 QHD Display



- 1. OSD control
- 2. Security cable slot
- 3. Master power switch
- 4. Power connector
- 5. HDMI port
- 6. DisplayPort[™] connector

Back

- 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)

(III)

Technical Specifications

(III)

Panel TechnologyIPSRefresh Rate60 HzPanel Bit Depth80 htPanel Bit Depth80 htPanel Bit Depth80 htBrightness (Typical)350 nitsBrightness (Typical)350 nitsDynamic Contrast Ratio1004.1Under Static (Static)1000.1Dynamic Contrast Ratio1041.1Picker FreeYesPicker FreeYesPicker FreeYesBacklight Lapp Life Minimum (To Half Brightness - In Hours)109 PPIBacklight TypeEdge-litBacklight TypeEdge-litScreen TreatmentAnti-glareHardness3HHaze25%Response Time (Typical)5ms GtG (with overdrive)Wertical Viewing Angle (Typical Cr>10)178*Vertical Viewing Angle (Typical Cr>10178*Panel Active Area (W X H)56.736(H)*335.664(V)With Type Septimations Represent The Typical Specifications Provided By HP's Component Manufacturers. Actual Performance May Vary Ether Higher Ot Lower.Color ManagementFactory Color Calibrated Panel Active Area (W X H)KGB Channel Adjust Panel Active Area (W X H)56.736(H)*335.664(V)Monitor SpecificationsBezelColor Freesets RGBSRGBColor Management Aglust Range Panel Active Area (W X H)59.5400Panel Active Area (W X H)55.750 (H)*335.664(V)Monitor SpecificationsBezelRGB Channel Adjust Ves, Gain99 %Paper Hatight Adjust Range Paper Holf No	Panel Specifications	Display Size (Diagonal)	27"
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Monitor SpecificationsBezel4-sided Micro EdgeColor(Head) Turbo Silver; (Stand) Turbo SilverTilt-5 to +20°Swivel±45°Pivot±90Height Adjust Range150mmVESA Mounting100 mm x 100 mm (bracket included)Security Lock ReadyStandard Security Lock SlotDetachable StandYesWarranty (Number Of Years)3/3/0 for LA, NA, EMEA, APJ; (3/3/3 in select APJ CountrieLow Blue Light ModeYes, HP Eye Ease (TUV Low Blue Light Hardware Solution certified)Display Management SoftwareHP Display CenterOn Screen Display On Screen ControlsJaystick Brightness +, Color, Image, Input, Power, Menu, Management, Information, ExitUser-Assignable Function ButtomsYes, 4 buttons	Color	sRGB	99 %
Color(Head) Turbo Silver; (Stand) Turbo SilverTilt-5 to +20°Swivel±45°Pivot±90Height Adjust Range150mmVESA Mounting100 mm x 100 mm (bracket included)Security Lock ReadyStandard Security Lock SlotDetachable StandYesWarranty (Number Of Years)3/3/0 for LA, NA, EMEA, APJ; (3/3/3 in select APJ CountrieLow Blue Light ModeYes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)Display Management SoftwareHP Display CenterOn Screen DisplayJoystickOn Screen ControlsBrightness +, Color, Image, Input, Power, Menu, Management, Information, ExitUser-Assignable Function ButtomsYes, 4 buttons		P3 D65	85%
Tilt-5 to +20°Swivel±45°Pivot±90Height Adjust Range150mmVESA Mounting100 mm x 100 mm (bracket included)Security Lock ReadyStandard Security Lock SlotDetachable StandYesWarranty (Number Of Years)3/3/0 for LA, NA, EMEA, APJ; (3/3/3 in select APJ CountrieLow Blue Light ModeYes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)Display Management SoftwareHP Display CenterOn Screen DisplayJoystickOn Screen ControlsBrightness +, Color, Image, Input, Power, Menu, Management, Information, ExitUser-Assignable Function ButtonsYes, 4 buttons	Monitor Specifications	Bezel	4-sided Micro Edge
Swivel±45°Pivot±90Height Adjust Range150mmVESA Mounting100 mm x 100 mm (bracket included)Security Lock ReadyStandard Security Lock SlotDetachable StandYesWarranty (Number Of Years)3/3/0 for LA, NA, EMEA, APJ; (3/3/3 in select APJ Countrie Low Blue Light ModeDisplay Management SoftwareHP Display CenterOn Screen DisplayJoystickOn Screen ControlsBrightness +, Color, Image, Input, Power, Menu, Management, Information, ExitUser-Assignable Function ButtonsYes, 4 buttons		Color	(Head) Turbo Silver; (Stand) Turbo Silver
Pivot±90Height Adjust Range150mmVESA Mounting100 mm x 100 mm (bracket included)Security Lock ReadyStandard Security Lock SlotDetachable StandYesWarranty (Number Of Years)3/3/0 for LA, NA, EMEA, APJ; (3/3/3 in select APJ CountrieLow Blue Light ModeYes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)Display Management SoftwareHP Display CenterOn Screen DisplayJoystickOn Screen ControlsBrightness +, Color, Image, Input, Power, Menu, Management, Information, ExitUser-Assignable Function ButtonsYes, 4 buttons		Tilt	-5 to +20°
Height Adjust Range150mmVESA Mounting100 mm x 100 mm (bracket included)Security Lock ReadyStandard Security Lock SlotDetachable StandYesWarranty (Number Of Years)3/3/0 for LA, NA, EMEA, APJ; (3/3/3 in select APJ CountrieLow Blue Light ModeYes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)Display Management SoftwareHP Display CenterOn Screen DisplayJoystickOn Screen ControlsBrightness +, Color, Image, Input, Power, Menu, Management, Information, ExitUser-Assignable Function ButtonsYes, 4 buttons		Swivel	±45°
VESA Mounting100 mm x 100 mm (bracket included)Security Lock ReadyStandard Security Lock SlotDetachable StandYesWarranty (Number Of Years)3/3/0 for LA, NA, EMEA, APJ; (3/3/3 in select APJ CountrieLow Blue Light ModeYes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)Display Management SoftwareHP Display CenterOn Screen DisplayJoystickOn Screen ControlsBrightness +, Color, Image, Input, Power, Menu, Management, Information, ExitUser-Assignable Function ButtonsYes, 4 buttons		Pivot	±90
VESA Mounting100 mm x 100 mm (bracket included)Security Lock ReadyStandard Security Lock SlotDetachable StandYesWarranty (Number Of Years)3/3/0 for LA, NA, EMEA, APJ; (3/3/3 in select APJ CountrieLow Blue Light ModeYes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)Display Management SoftwareHP Display CenterOn Screen DisplayJoystickOn Screen ControlsBrightness +, Color, Image, Input, Power, Menu, Management, Information, ExitUser-Assignable Function ButtonsYes, 4 buttons		Height Adjust Range	150mm
Security Lock ReadyStandard Security Lock SlotDetachable StandYesWarranty (Number Of Years)3/3/0 for LA, NA, EMEA, APJ; (3/3/3 in select APJ CountrieLow Blue Light ModeYes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)Display Management SoftwareHP Display CenterOn Screen DisplayJoystickOn Screen ControlsBrightness +, Color, Image, Input, Power, Menu, Management, Information, ExitUser-Assignable Function ButtonsYes, 4 buttons		VESA Mounting	100 mm x 100 mm (bracket included)
Detachable StandYesWarranty (Number Of Years)3/3/0 for LA, NA, EMEA, APJ; (3/3/3 in select APJ CountrieLow Blue Light ModeYes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)Display Management SoftwareHP Display CenterOn Screen DisplayJoystickOn Screen ControlsBrightness +, Color, Image, Input, Power, Menu, Management, Information, ExitUser-Assignable Function ButtonsYes, 4 buttons			Standard Security Lock Slot
Low Blue Light ModeYes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)Display Management SoftwareHP Display CenterOn Screen DisplayJoystickOn Screen ControlsBrightness +, Color, Image, Input, Power, Menu, Management, Information, ExitUser-Assignable Function ButtonsYes, 4 buttons			-
Low Blue Light ModeYes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)Display Management SoftwareHP Display CenterOn Screen DisplayJoystickOn Screen ControlsBrightness +, Color, Image, Input, Power, Menu, Management, Information, ExitUser-Assignable Function ButtonsYes, 4 buttons		Warranty (Number Of Years)	3/3/0 for LA. NA. EMEA. APJ: (3/3/3 in select APJ Countries)
Display Management Softwarecertified)Display Management SoftwareHP Display CenterOn Screen DisplayJoystickOn Screen ControlsBrightness +, Color, Image, Input, Power, Menu, Management, Information, ExitUser-Assignable Function ButtonsYes, 4 buttons			
On Screen DisplayJoystickOn Screen ControlsBrightness +, Color, Image, Input, Power, Menu, Management, Information, ExitUser-Assignable Function ButtonsYes, 4 buttons			certified)
On Screen Controls Brightness +, Color, Image, Input, Power, Menu, Management, Information, Exit User-Assignable Function Buttons Yes, 4 buttons		Display Management Software	
Wanagement, Information, Exit User-Assignable Function Buttons Yes, 4 buttons			
User-Assignable Function Buttons Yes, 4 buttons		On Screen Controls	
		User-Assignable Function Buttons	
Maximum Resolution 2560 x 1440 @ 60HZ		Maximum Resolution	2560 x 1440 @ 60HZ

Technical Specifications

	10115	
	Preset Graphic Modes/Suppored	640 x 480@60Hz
	Resolutions	800 x 600@60Hz
	Resolutions	-
		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
		10
	User Programmable Modes	
	Languages	10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
		For tuguese, 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	Yes
	Transport (MST)	
	User Updateable Firmware	Yes
	•••••	
Power & Operating	Power Supply	Internal
Specs	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



Technical Specifications

EU Energy Efficiency Class (ERP Lot-5)	On-mode Power Consumption	23 W	
	Annual Power Consumption Energy Efficiency Class	34 kWh F	
Operating Conditions	Operating Temperature - Celsius Operating Temperature - Fahrenheit Non-Operating Temperature - Celsius Non-Operating Temperature - Fahrenheit	5° – 35°C 41° – 95°F –34° – 60°C 29° – 140°F	
	Operating Humidity Non-Operating Humidity Operating Altitude Non-operating Altitude	20 – 80% Relative Humidit 5 – 95% 0 – 5,000 m (16,400 ft.) 0 – 12.192 m (40,000 ft.)	y (non-condensing)
Environmental Features and Certifications	Mercury-free LED display backlighting Arsenic-Free Display Glass Low Halogen		AC/GS/TUV-S/ISO 9241-307/
	Agency Approvals And Certifications	Star/TCO/TCO Certified Edge/VCCI/FCC/BSMI/WEE	s/CCC/CEL/CECP/SEPA/Energy E/UAE/Ukraine/ERP/ISC
	Microsoft WHQL Certification	Yes	
	ENERGY STAR [®] Certified	Yes	
	EPEAT [®] Registered	Yes	
	Regions need to verify by country		
	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	j .
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	246 x 205 mm	9.69 x 8.07 in
	(w x d mm) 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	4.2 kg	0.4016
	(Head Only)	4.3 kg	9.48lb
What's in the box?	Documentation kit DP1.4 Cable (1.8m)		



Technical Specifications

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

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.

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

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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