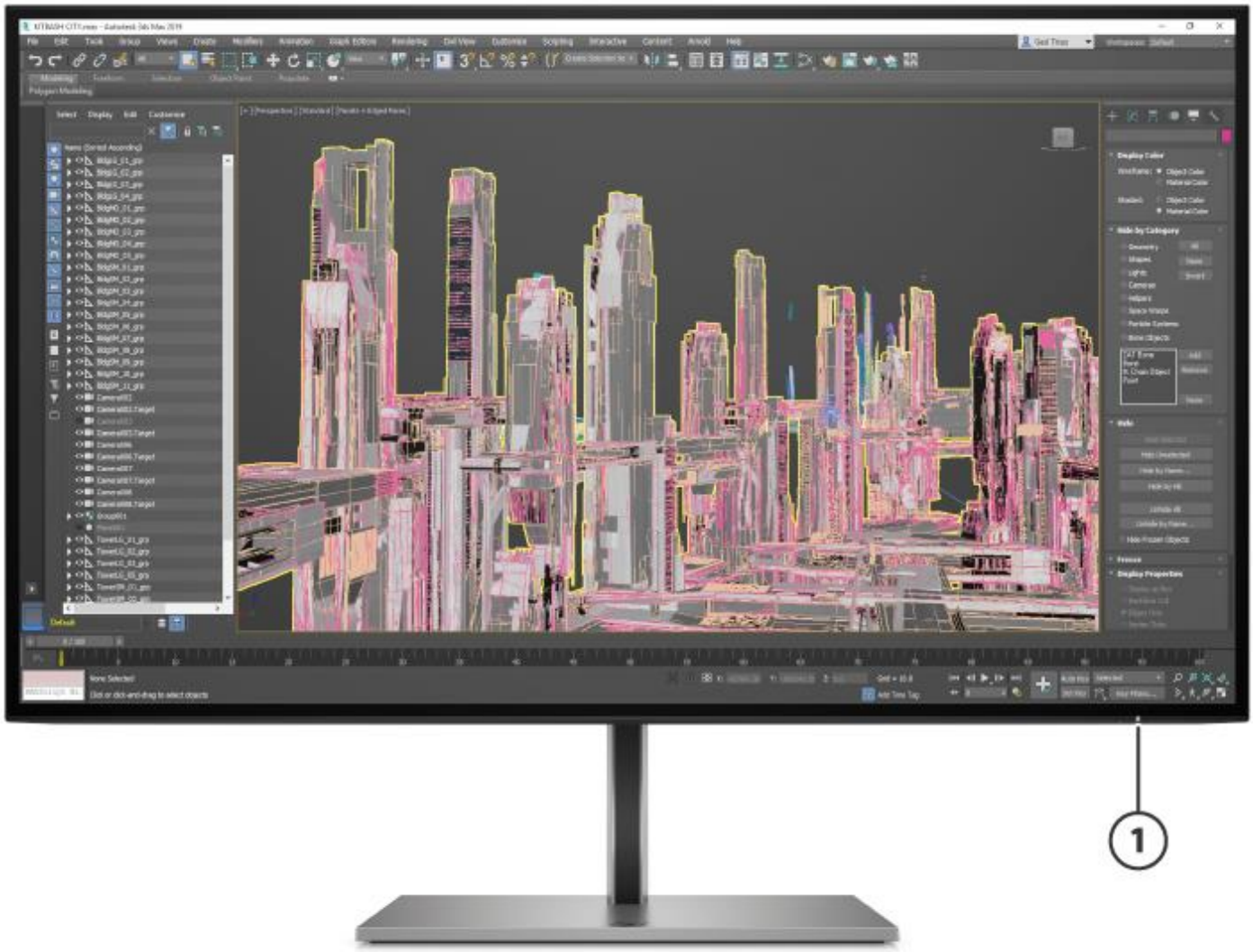
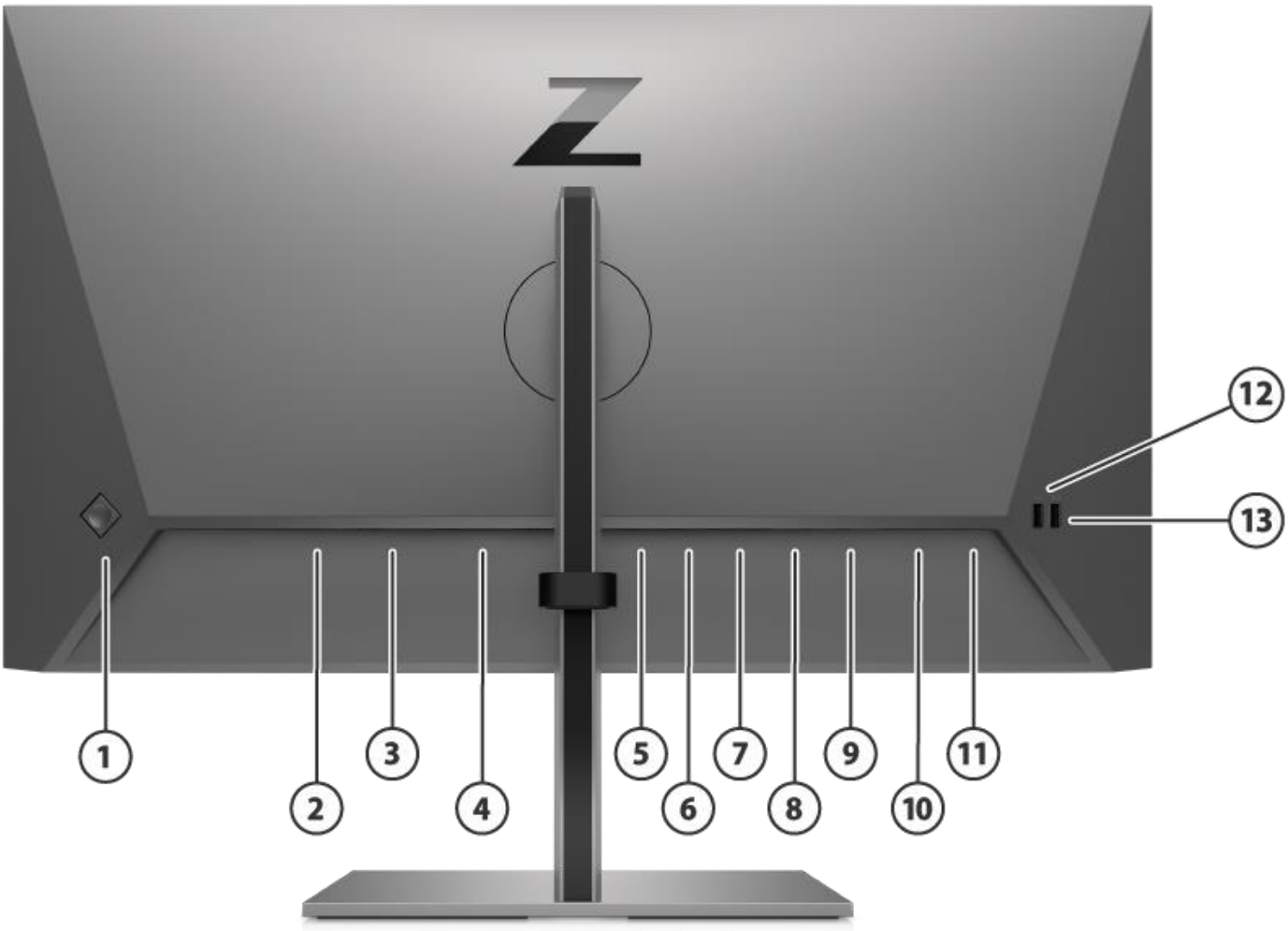


Front

1. Power Button

Technical Specifications

HP Z27u G3 QHD USB-C Display



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-C™ port with DP Alt Mode 1.4, USB upstream data, and maximum power delivery up to 100 W
9. RJ-45 (network) jack
10. USB port
11. USB port (Battery charging 1.2, 7.5W)
12. USB port
13. USB port (Battery charging 1.2, 7.5W)

Technical Specifications

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
	Contrast Ratio Minimum (Static)	700:1
	Dynamic Contrast Ratio	10M:1
	Flicker Free	Yes
	Pixel Pitch	0.2331(mm) x 0.2331(mm)
	Pixels Per Inch (Ppi)	109 PPI
	Backlight Lamp Life Minimum (To Half Brightness - In Hours)	40 k
	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) x 335.66(V)
	NOTE: Performance Specifications Represent The Typical Specifications Provided By HP's Component Manufacturers; Actual Performance May Vary Either Higher Or Lower.	
Color	**sRGB**	99 %
	P3 D65	85%
Color Management	**Factory Color Calibrated**	Yes (Delta E <=2)
	Calibrated Color Presets	sRGB, BT.709, P3 D65 (Production after Jan '21)
	RGB Channel Adjust	Yes, Gain
	Default Color Temperature	sRGB
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	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
	Preset Graphic Modes/Suppored Resolutions	640 x 480@60Hz 800 x 600@60Hz

Technical Specifications

		1280 x 720@60Hz 1024 x 768 @ 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 480i @ 60Hz 720 x 480p @ 60Hz 1280 x 720p @ 60Hz 1920 x 1080i @ 60Hz 720 x 576i @ 50Hz 720 x 576p @ 50Hz 1280 x 720p @ 50Hz 1920 x 1080i @ 50Hz 1920 x 1080p @ 60Hz 1920 x 1080p @ 50Hz 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 Type-C™ Video Input	1 USB Type-C™ (DP Alt Mode 1.4, power delivery up to 100W)
	USB- A	4 USB-A 3.2 Gen1 (2 for battery charging 1.2, 7.5W)
	Ethernet	Yes
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	160 W
	Energy Saving/Stand By Mode	0.5 W
	Power Consumption- Typical	39 W
	Power Cable Length	1.9 m
ENERGY STAR Data	**Operational Mode at 100 VAC**	21.33W
	Operational Mode at 115 VAC	21.36W
	Operational Mode at 230 VAC	21.44W
Eu Energy Efficiency Class (ERP lot-5)	**On-mode Power Consumption**	23.7W

Technical Specifications

	Annual Power Consumption	35 kWh
	Energy Efficiency Class	F
Operating Conditions	**Operating Temperature - Celsius**	5° – 35°C
	Operating Temperature - Fahrenheit	41° – 95°F
	Non-Operatin 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/SEPA/Energy Star/TCO/TCO Certified Edge/VCCI/FCC/BSMI/WEEE/UAE/Ukraine/ERP/ISC
	Microsoft WHQL Certification	Win 11
	ENERGY STAR® Certified	Yes
	EPEAT® Registered	Yes
	Regions need to verify by country	
	China Energy Label	CEL Grade 1* *Monitors produced before June 1st 2024 comply with China regulation GB 21520-2015.
	TCO Certified Edge	Yes
	TCO Certified	Yes
	SmartWay Transport Partnership - NA only	Yes (NA sku)
Contains Recycled Plastics	**Contains Recycled Plastics**	81.06%
	Recyclable Packaging (Box, packing materials)	100% recyclable packaging.

		Metric	**Imperial**
Unit Product/Package Specifications	**Product Dimensions** (Unpacked with stand) (W x D x H)	61.23 x 20.5 x 53.04 cm	24.11 x 8.07 x 20.88 in
	Product Dimensions (Packed) (W x D x H)	69.8 x 42.3 x 16.3 cm	27.48 x 16.65 x 6.42 in
	Display Head Dimensions (Unpacked without stand) (W x D x H)	61.23 x 3.89x 35.61 cm	24.11 x 1.53 x 14.02 in
	Base Area Footprint (w x d mm)	246 x 205 mm	9.69 x 8.07 in
	Bezel Measurement	601.8 mm	23.69 in
	Product Weight (Unpacked with stand)	6.2 kg	13.7 lb
	Product Weight (Packed)	9.4 kg	20.7 lb
	Product Weight (Head Only)	4.7 kg	10.36 lb

What's in the box?	Documentation kit

	DP1.4 Cable (1.8m) HDMI 2.0 cable (1.8m, Production after May'21) USB 3.2 Gen2 Type C to C (1m) 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.

Copyright © 2024 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.

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
December 21, 2023	V7 to V8	Adde	Windows 11
May 17, 2024	V8 to V9	Remove	CEL and CECP
May 30, 2024	V9 to V10	Added	CEL and disclaimer