

### Technical Specifications

#### HP Z24f G3 FHD Display

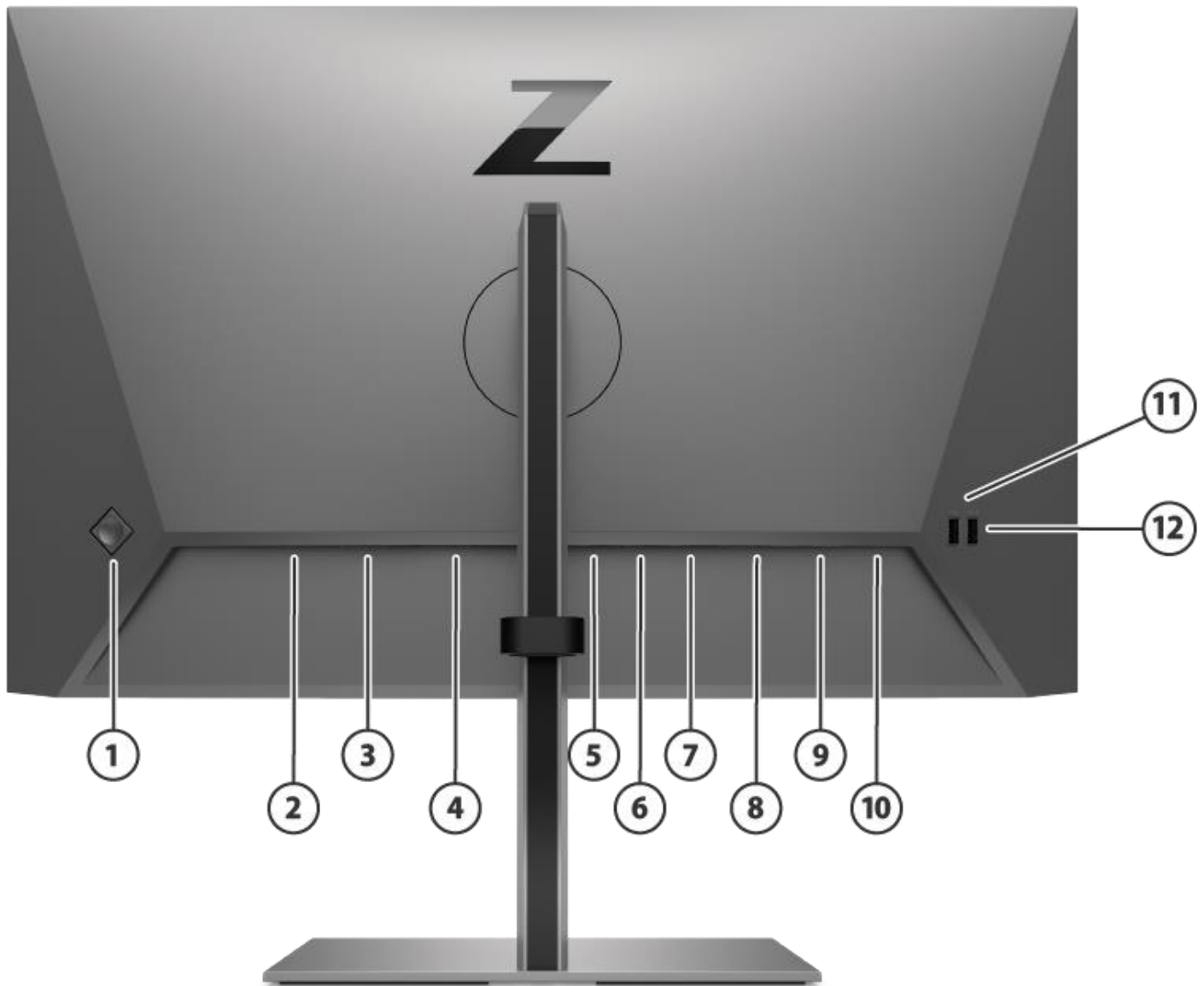


**Front**

1. Power button

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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)

### Technical Specifications

<b>Panel Specifications</b>	<b>Display Size (Diagonal)</b>	23.8"
	<b>Panel Technology</b>	IPS
	<b>Refresh Rate</b>	60 Hz
	<b>Panel Bit Depth</b>	8 bit (6bit + FRC)
	<b>Aspect Ratio</b>	16:9
	<b>Brightness (Typical)</b>	300 nits
	<b>Contrast Ratio (Static)</b>	1000:1
	<b>Dynamic Contrast Ratio</b>	10M:1
	<b>Flicker Free</b>	Yes
	<b>Pixel Pitch</b>	0.2745mm
	<b>Pixels Per Inch (Ppi)</b>	93 PPI
	<b>Backlight Lamp Life Minimum (To Half Brightness - In Hours)</b>	40 k
	<b>Backlight Type</b>	Edge-lit
	<b>Screen Treatment</b>	Anti-glare
	<b>Hardness</b>	3H
	<b>Haze</b>	25%
	<b>Response Time (Typical)</b>	5ms GtG (with overdrive)
	<b>Horizontal Viewing Angle (Typical Cr&gt;10)</b>	178°
	<b>Vertical Viewing Angle (Typical Cr&gt;10)</b>	178°
	<b>Panel Active Area (W X H)</b>	527.04(H)*296.46(V)
<b>NOTE:</b> Performance Specifications Represent The Typical Specifications Provided By HP's Component Manufacturers; Actual Performance May Vary Either Higher Or Lower.		
<b>Color Management</b>	<b>Factory Color Calibrated</b>	Yes (Delta E <=2)
	<b>Calibrated Color Presets</b>	sRGB, BT.709, P3 D65 (Production after Feb '21)
	<b>RGB Channel Adjust</b>	Yes, Gain
	<b>Default Color Temperature</b>	sRGB
<b>Color</b>	<b>sRGB</b>	99 %
	<b>P3 D65</b>	85%
<b>Monitor Specifications</b>	<b>Bezel</b>	4-sided Micro Edge
	<b>Color</b>	(Head) Turbo Silver; (Stand) Turbo Silver
	<b>Tilt</b>	-5 to +20°
	<b>Swivel</b>	±45°
	<b>Pivot</b>	±90
	<b>Height Adjust Range</b>	150mm
	<b>VESA Mounting</b>	100 mm x 100 mm (bracket included)
	<b>Security Lock Ready</b>	Standard Security Lock Slot
	<b>Detachable Stand</b>	Yes
	<b>Warranty (Number of Years)</b>	3/3/0 for LA, NA, EMEA, APJ; (3/3/3 in select APJ Countries)
	<b>Low Blue Light Mode</b>	Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)
	<b>Display Management Software</b>	HP Display Center
	<b>On Screen Display</b>	Joystick
	<b>On Screen Controls</b>	Brightness +, Color, Image, Input, Power, Menu, Management, Information, Exit
	<b>User-Assignable Function Buttons</b>	Yes, 4 buttons
	<b>Native Resolution</b>	Full HD (1920 x 1080)
	<b>Native Resolution Footnote</b>	
<b>Maximum Resolution</b>	1920x1080 @ 60HZ	

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	<b>Preset Graphic Modes/Supported Resolutions</b>	640 × 480@60Hz 800 × 600@60Hz 1024 × 768@60Hz 1280 × 720@60Hz 1280 × 800@60Hz 1280 × 1024@60Hz 1440 × 900@60Hz 1600 × 900@60Hz 1680 × 1050@60Hz 1920 × 1080@60Hz
	<b>High Definition Video Formats</b>	720 × 480p@60Hz 720 × 576p@50Hz 1280 × 720p@50Hz 1280 × 720p@60Hz 1920 × 1080p@50Hz 1920 × 1080p@60Hz
	<b>Minimum Vertical Scan Rate</b>	50 Hz
	<b>Maximum Vertical Scan Rate</b>	60 Hz
	<b>Minimum Horizontal Scan Rate</b>	30.0 kHz
	<b>Maximum Horizontal Scan Rate</b>	75.0 kHz
	<b>Maximum Pixel Clock</b>	170 MHz
	<b>Languages</b>	10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
<b>Connector Types</b>	<b>DisplayPort™</b>	1 DisplayPort™ 1.2
	<b>DisplayPort™ Out</b>	1 DisplayPort™ 1.2-out
	<b>HDMI</b>	1 HDMI 1.4
	<b>USB- A</b>	4 USB-A 3.2 Gen1 (2 for battery charging 1.2, 7.5W)
	<b>USB-B (Hub enablement)</b>	1 USB-B
<b>Special Features</b>	<b>DaisyChain/DisplayPort Multi stream Transport (MST)</b>	Yes
<b>Power &amp; Operating Specs</b>	<b>Power Supply</b>	Internal
	<b>Power Source</b>	100 – 240 VAC 50/60 Hz
	<b>Power Consumption- MAX</b>	58 W
	<b>Energy Saving/Stand By Mode</b>	0.5 W
	<b>Power Consumption- Typical</b>	26 W
	<b>Power Cable Length</b>	1.9m
<b>ENERGY STAR Data</b>	<b>Operational Mode at 100 VAC</b>	11.06 W
	<b>Operational Mode at 115 VAC</b>	11.1 W
	<b>Operational Mode at 230 VAC</b>	11.1 W
<b>EU Energy Efficiency Class (ERP Lot-5)</b>	<b>On-mode Power Consumption</b>	12.5 W
	<b>Annual Power Consumption</b>	19 kWh
	<b>Energy Efficiency Class</b>	D
<b>Operating Conditions</b>	<b>Operating Temperature - Celsius</b>	5° – 35°C
	<b>Operating Temperature - Fahrenheit</b>	41° – 95°F
	<b>Non-Operatin Temperature - Celsius</b>	–34° – 60°C
	<b>Non-Operating Temperature - Fahrenheit</b>	29° – 140°F
	<b>Operating Humidity</b>	20 – 80% Relative Humidity (non-condensing)
	<b>Non-Operating Humidity</b>	5 – 95%

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	<b>Operating Altitude</b>	0 – 5,000 m (16,400 ft.)	
	<b>Non-operating Altitude</b>	0 – 12.192 m (40,000 ft.)	
<b>Environmental Features and Certifications</b>	<b>Mercury-free LED display backlighting</b>	Yes, Mercury-free LED backlighting	
	<b>Arsenic-Free Display Glass</b>	Yes	
	<b>Low Halogen</b>	Yes	
	<b>Agency Approvals And Certifications</b>	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/Vietnam MEPS/Australian-New Zealand MEPS/WEEE/UAE/Ukraine/ERP/ISC	
	<b>Microsoft WHQL Certification</b>	Win 11	
	<b>ENERGY STAR® Certified</b>	Yes	
	<b>EPEAT® Registered</b>	Yes	
	<b>Regions need to verify by country</b>	Yes	
	<b>China Energy Label</b>	CEL Grade 1	
	<b>TCO Certified Edge</b>	Yes	
	<b>TCO Certified</b>	Yes	
	<b>SmartWay Transport Partnership - NA only</b>	Yes (NA sku)	
<b>Contains Recycled Plastics</b>	<b>Contains Recycled Plastics</b>	80.76%	
	<b>Recyclable Packaging (Box, packing materials)</b>	100% recyclable packaging.	
<b>Unit Product/Package Specifications</b>	<b>Product Dimensions</b> (Unpacked with stand) (W x D x H)	53.84 x 19.5x 48.93 cm	21.2x7.68 x 19.26 in
	<b>Product Dimensions</b> (Packed) (W x D x H)	62.5 x 37.3 x 14.2 cm	24.61 x 14.69 x 5.59 in
	<b>Display Head Dimensions</b> (Unpacked without stand) (W x D x H)	53.84 x3.85x 31.37 cm	21.2x 1.52 x 12.35 in
	<b>Base Area Footprint</b> (w x d mm)	232 X 195 mm	9.13 X 7.7 in
	<b>Bezel Measurements - Metric</b>	Bottom Cover:530.2mm	Bottom Cover:20.87in
	<b>Product Weight</b> (Unpacked with stand)	4.7 kg	10.4 lb
	<b>Product Weight</b> (Packed)	7.2 kg	15.6 lb
	<b>Product Weight</b> (Head Only)	3.5 kg	7.7 lb
	<b>What's in the box?</b>	Documentation kit DP1.4 Cable (1.8m) HDMI 1.4 cable (1.8m, Production after May'21) USB 3.0 Type A to B (1.8m) Power cable VESA Adapter Cable Holder	
<b>User Guide and Warranty Languages</b>	<b>User Guide Languages</b>	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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#### **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			
January 12, 2021	V1 to V2	Updated	Technical Specifications
February 28, 2021	V2 to V3	Updated	Energy Efficiency Class
April 15, 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	Added	Windows 11
	V8 to V9		