Technical Specifications

HP Z24f G3 FHD Display

Front

1. Power button

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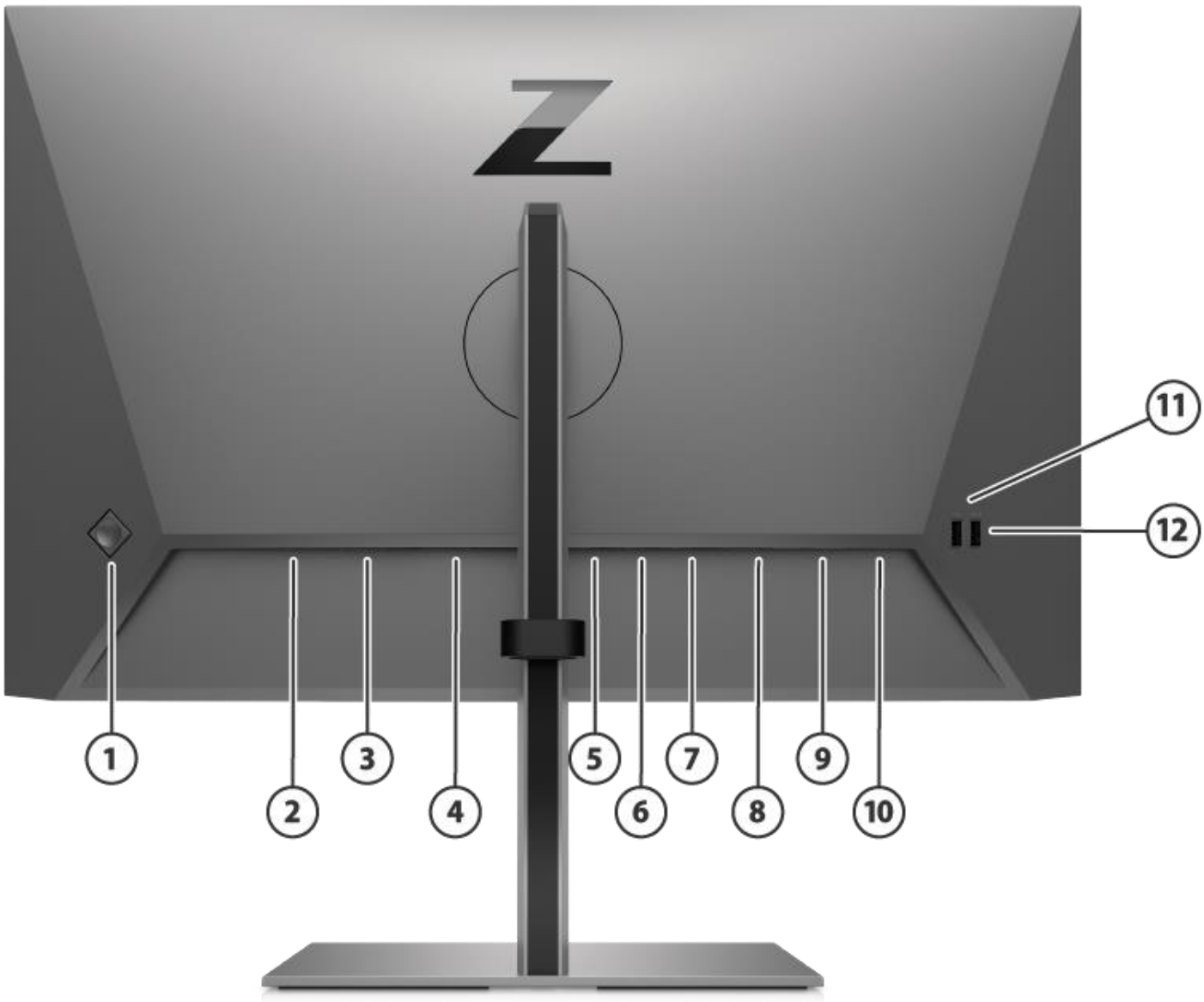

Back

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)

Technical Specifications

Panel Specifications	**Display Size (Diagonal)**	23.8"
	Panel Technology	IPS
	Refresh Rate	60 Hz
	Panel Bit Depth	8 bit (6bit + FRC)
	Aspect Ratio	16:9
	Brightness (Typical)	300 nits
	Contrast Ratio (Static)	1000:1
	Dynamic Contrast Ratio	10M:1
	Flicker Free	Yes
	Pixel Pitch	0.2745mm
	Pixels Per Inch (Ppi)	93 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)	527.04(H)*296.46(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	N/A
	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

Technical Specifications

	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	Full HD (1920 x 1080)
	Native Resolution Footnote	
	Maximum Resolution	1920×1080 @ 60HZ
	Preset Graphic Modes/Suppored Resolutions	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
	High Definition Video Formats	720 × 480p@60Hz 720 × 576p@50Hz 1280 × 720p@50Hz 1280 × 720p@60Hz 1920 × 1080p@50Hz 1920 × 1080p@60Hz
	Minimum Vertical Scan Rate	50 Hz
	Maximum Vertical Scan Rate	60 Hz
	Minimum Horizontal Scan Rate	30.0 kHz
	Maximum Horizontal Scan Rate	75.0 kHz
	Maximum Pixel Clock	170 MHz
	Languages	10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
Connector Types	**DisplayPort™**	1 DisplayPort™ 1.2
	DisplayPort™ Out	1 DisplayPort™ 1.2-out
	HDMI	1 HDMI 1.4
	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	**DaisyChain/DisplayPort Multi stream Transport (MST)**	Yes
Power & Operating Specs	**Power Supply**	Internal
	Power Source	100 – 240 VAC 50/60 Hz
	Power Consumption- MAX	58 W
	Energy Saving/Stand By Mode	0.5 W
	Power Consumption- Typical	26 W
	Power Cable Length	1.9m
ENERGY STAR Data	**Operational Mode at 100 VAC**	11.06 W
	Operational Mode at 115 VAC	11.1 W

Technical Specifications

	Operational Mode at 230 VAC	11.1 W	
EU Energy Efficiency Class (ERP Lot-5)	**On-mode Power Consumption**	12.5 W	
	Annual Power Consumption	19 kWh	
	Energy Efficiency Class	D	
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/CEL/CECP/SEPA/Energy Star/TCO/TCO Certified Edge/VCCI/FCC/BSMI/Vietnam MEPS/Australian-New Zealand MEPS/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**	80.76%	
	Recyclable Packaging (Box, packing materials)	100% recyclable packaging.	
Unit Product/Package Specifications	**Product Dimensions** (Unpacked with stand) (W x D x H)	53.84 x 19.5x 48.93 cm	21.2x7.68 x 19.26 in
	Product Dimensions (Packed) (W x D x H)	62.5 x 37.3 x 14.2 cm	24.61 x 14.69 x 5.59 in
	Display Head Dimensions (Unpacked without stand) (W x D x H)	53.84 x3.85x 31.37 cm	21.2x 1.52 x 12.35 in
	Base Area Footprint (w x d mm)	232 X 195 mm	9.13 X 7.7 in
	Bezel Measurements - Metric	Bottom Cover:530.2mm	Bottom Cover:20.87in
	Product Weight (Unpacked with stand)	4.7 kg	10.4 lb

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	Product Weight (Packed)	7.2 kg	15.6 lb
	Product Weight (Head Only)	3.5 kg	7.7 lb

What's in the box?	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	
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			
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