### **Technical Specifications**

### **HP M24m FHD USB-C Conferencing Monitor**



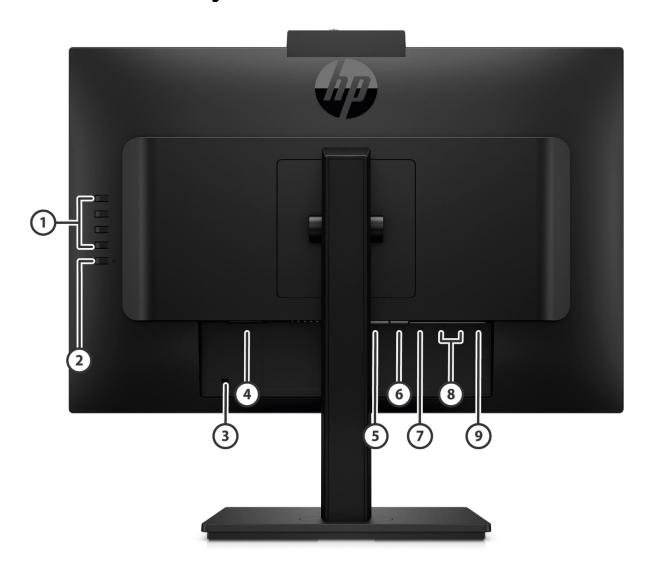
- 1. Microphones (2)
- 2. Camera Light
- 3. 5MP Webcam

#### **Front**

- 4. Privacy Slider
- 5. Speakers
- 6. Power LED

### **Technical Specifications**

### **HP M24m FHD USB-C Conferencing Monitor**



- 1. OSD Button
- 2. Power Button
- **3.** Security Cable Slot
- 4. Power Connector
- 5. DisplayPort™ 1.2

#### Back

- **6.** HDMI 1.4
- 7. SuperSpeed USB Type-C® 5Gbps signaling rate (Up to 65W USB Power Delivery, Alt Mode DisplayPort™ 1.2)
- 8. SuperSpeed USB Type-A 5Gbps signaling rate (2)
- 9. Audio Jack Combo

#### **Technical Specifications**

Model: 678U5AA, 678U5AT

**Panel Specifications** Display Size (Diagonal) 23.8"

**Panel Technology** IPS **Max Refresh Rate** 75 Hz **Native Resolution** 1920 x 1080

Panel Bit Depth 8 bit **Aspect Ratio** 16:9 **Brightness (Typical)** 300 nits Contrast Ratio (Static) 1000:1 **Dynamic Contrast Ratio** 8M:1 Flicker Free Yes

**Pixel Pitch** 0.2745 x 0.2745

93 PPI Pixels Per Inch (PPI) Backlight Lamp Life Minimum (To Half 30,000

**Brightness - In Hours) Backlight Type** Edge-lit **Screen Treatment** Anti-glare

**Hardness** 3H Haze 25

**Response Time (Typical)** 5ms GtG (with overdrive)

**Horizontal Viewing Angle (Typical** 

178° Cr>10) Vertical Viewing Angle (Typical Cr>10) 178°

Panel Active Area Metric (W x H) 52.704 x 29.646 Panel Active Area Imperial (W x H) 20.74 x 11.67

NOTE: Performance specifications represent the typical specifications provided by HP's component

manufacturers; actual performance may vary either higher or lower.

Color sRGB (CIE 1931)99%

**Color Management** RGB 4:4:4 Color Space/ Subsampling Support

**RGB Channel Adjust** Yes, Gain

**Default Color Temperature** Standard (6500K)

**Monitor Specifications Bezel Type** 3-sided Micro Edge

> **Color Of Stand** Black **Color Of Head** Black

Tilt from -5 to +23°

**Swivel** ±45° **Height Adjust Range** 100mm

**Vesa Mounting** 100 mm x 100 mm

**Security Lock** Standard Security Lock Slot

**Detachable Stand** Yes

Warranty 2/2/0 EMEA

Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution Low Blue Light

certified)

Webcam 5MP

Microphone Dual microphone (noise cancelling)



### **Technical Specifications**

**Speaker Output Power** 2 x 2 W

**Display Software** HP Display Center

On Screen Display (OSD)

On Screen Display Brightness+, Color, Image, Input, Power, Menu,

Management, Information, Exit

Native Resolution Full HD (1920 x 1080)

**NOTE**: DisplayPort 1.2 or HDMI 1.4 or USB-C (DP alt mode)

required to drive panel at its native resolution.

The video card of the connected PC must be capable of supporting 1920 x 1080 at 60 Hz with 8-bit color using one DP,

HDMI, or USB-C (DP alt mode).

**Maximum Resolution** 

Preset Graphic Modes/Supported

Resolutions

1920×1080 @75Hz 640 x 480 @ 60Hz 720 x 400 @ 70 Hz

800 x 600 @ 60 Hz 1024 x 768 @ 60 Hz 1280 x 720 @ 60 Hz 1280 x 800 @ 60 Hz 1280 x 1024 @ 60 Hz 1440 x 900 @ 60 Hz 1600 x 900 @ 60 Hz 1680 x 1050 @ 60 Hz 1920 x 1080 @ 60 Hz

Minimum Vertical Scan Rate48 HzMaximum Vertical Scan Rate75 HzMinimum Horizontal Scan Rate30.0 kHzMaximum Horizontal Scan Rate85.0 kHzMaximum Pixel Clock180.0 MHzUser Programmable ModesYes, 20

User-Assignable Function Buttons
Audio

Yes, 3 (7 optional) Built-in speakers

10 (English, Spanish, German, French, Italian,

Languages Netherlands, Portuguese, Japanese, T-Chinese and S-

Chinese)

**Connector Types** 

**DisplayPort™** 1 DisplayPort™ 1.2 **HDMI** 1 HDMI 1.4

HDMI 1.4
HDCP Yes, DisplayPor

HDCP Yes, DisplayPort and HDMI

**USB Type-C® Video Input**1 SuperSpeed USB Type-C® 5Gbps signaling rate (Up to 65W USB Power Delivery, Alt Mode DisplayPort™ 1.2)

**USB- A**2 SuperSpeed USB Type-A 5Gbps signaling rate **AUDIO PORT**1 x 3.5 mm Audio Jack (Audio Out)

**Special Features** 

SWITCH Menu/OK, Plus ("+")/Next Active Input, Minus ("-")/Color

Modes, Return/Brightness, Power

User Presets 11

### **Technical Specifications**

Power & Operating	Power Supply	Internal
Specs	Power Source	100 – 240 VAC 50/60 Hz
	Power Consumption- Max	120
	Energy Saving/Stand By Mode	0.5
	Power Consumption - Typical	30
Energy Star Data	Operational Mode at 100 VAC	14
	Operational Mode at 115 VAC	14
	Operational Mode at 230 VAC	14
EU Energy Efficiency Class (ErP LOT-5)	On-mode Power Consumption (EC 1062/2010)	17
	Annual Power Consumption (EC 1062/2010)	25
		Δ
	EMEA energy ErP Lot5	A E
Operating Conditions	Operating Temperature - Celsius	5°−35°C
operating conditions	Operating Temperature - Fahrenheit	41° – 95°F
	Non-Operating Temperature - Celsius	-20° - 60°C
	Non-Operating Temperature -	-4° – 140°F
	Fahrenheit	7 1701
	Operating Humidity	20 – 80% (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.)
	Non-operating Attitude	0 – 12,192 III (40,000 It.)
Certifications and	Low Halogen	Yes*
Compliances	_	*External power supplies, WWAN modules, power cords,
•		cables and peripherals excluded.
	Agency Approvals and Certifications	CE/CB/ISO9241-307/TUV LBL EyeSafe/TUV GS/TCO/TCO Edge/EPA/Ukraina CoC/Russia EAC/Belarus energy efficiency/UAE
	Microsoft WHQL Certification	Win 11
	ENERGY STAR® Certified	Yes, ENERY STAR® 8
	EPEAT® Registered	FDFAT® It
	Regions need to verify by country	EPEAT® registered*
		*Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit http://www.epeat.net for more information.
	China Energy Label	CEL Grade 1
	TCO Certified Edge	Yes
	TCO Certified	Yes
	SmartWay Transport Partnership - NA	
	only	Yes (NA sku)
	<b>,</b>	



## **Technical Specifications**

Contains Recycled Plastics	Contains Recycled Plastics  Recyclable Packaging (Box, packing	ABS 85%* + 5%** Ocean Bound Plastic  *Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.  **5% ocean bound plastic by weight in each of the following components: Rear Cover, Middle Frame, Deco, Webcam door, VESA cover, Hinge top cover, Hinge btm cover, Lift cover, QR button, Column front cover, Column back cover, Swivel cover, Base cover.  100% fiber packaging, cardboard*  *100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.	
	materials)		
		<u>Metric</u>	<u>Imperial</u>
Unit Product/Package	Product Dimensions	53.95x21.14x52.34 cm	21.24 x 8.32 x 20.61 in
Specifications	(Unpacked with stand) (W x D x H)		
	Product Dimensions (Packed) (W x D x H)	59.6 x 19.5 x 41.6 cm	23.46 x 7.68 x 16.38 in
	Display Head Dimensions	53.95x4.79x37.22 cm	21.24x1.89x14.65 in
	(Unpacked without stand) (W x D x H)	33.33X4.73X37.EE CIII	21.2481.03814.03 111
	Base Area Footprint (w x d mm)	240 x 211.4 mm	9.45 X 8.32 in
	Bezel Measurements (Unpacked with stand) (W x D x H)	Bottom: 52.13	Bottom: 2.05
	Product Weight (Unpacked with stand)	6.3 kg	13.86 lb
	Product Weight (Packed)	9.2 kg	20.24 lb
	Product Weight (Head Only)	3.7 kg	8.14 lb
Pallet Information	Pallet Dimensions (L x W x H mm)	1206 x 994 x 2223	47.48 x 39.13 x 87.52
	Pallet Total Weight	469.34	1034.72
	Pallet Layers	5	
	Pallet Product per Layer	10	
	Total Products per Pallet	50	
	Container Load, 20-Foot	500	
	Container Load, 40-Foot	1100	
	Container Load, 40-Foot HighQ	1100	
What's in the box?	AC power cord (1.83m) 6.0 ft USB C-C cable (1.8m) 5.9 ft USB C-A cable (1.8m) HDMI cable (1.8m) 5.9ft QSP Warranty card		



### **Technical Specifications**

Doc Kit

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**

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Summary

Change Log		
	V1 to V2	

