Technical Specifications

HP E27m G4 QHD USB-C Conferencing Monitor
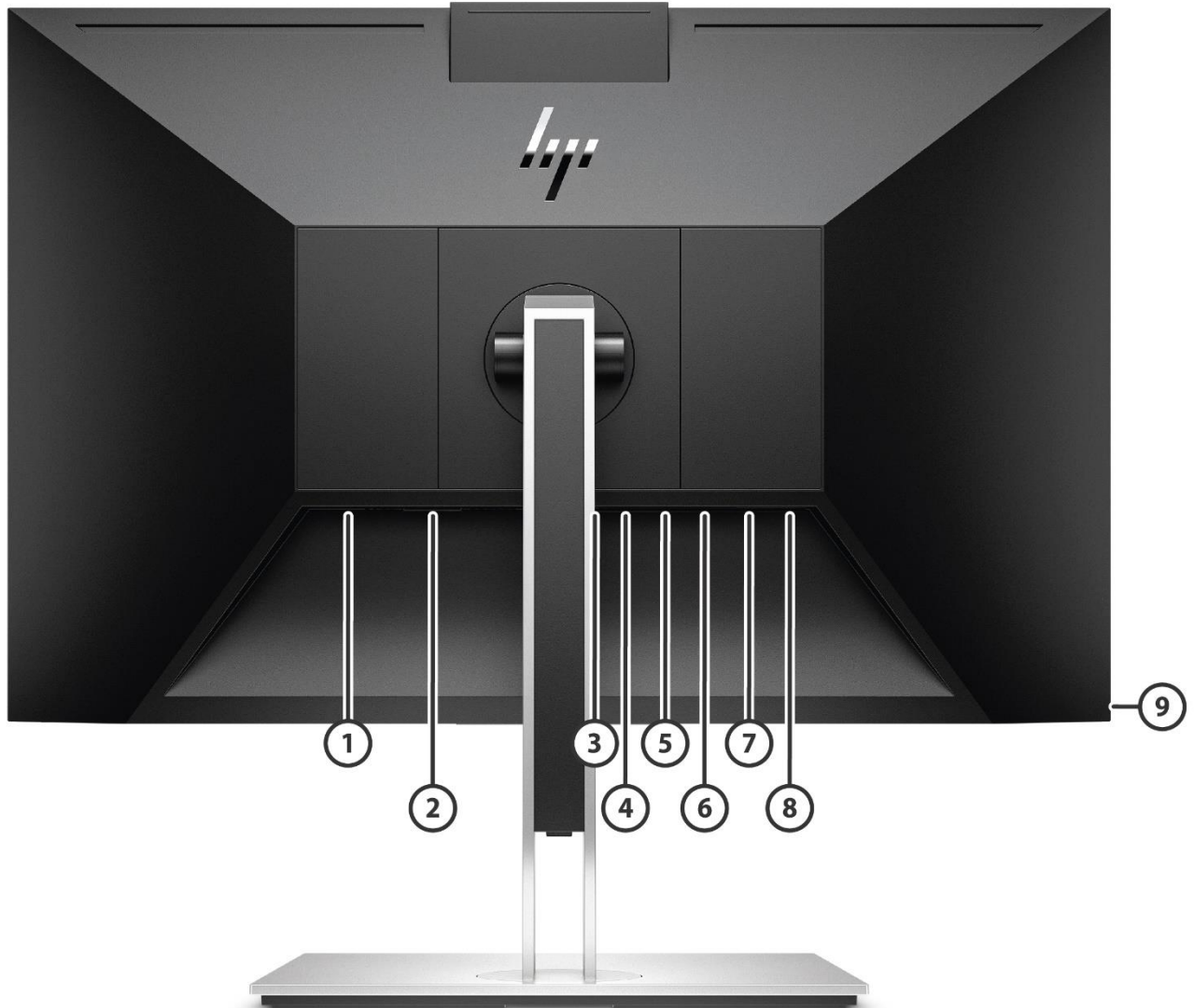

Front

1.	Microphones (2)	**6.**	Audio Buttons
2.	Camera Light	**7.**	OSD Buttons
3.	RGB Lens	**8.**	Power LED
4.	IR Lens	**9.**	Power Button
5.	IR LED	**10.**	Audio Combo Jack

Technical Specifications

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Back

1. Security Cable Slot
2. Power Connector
3. HDMI 1.4 Port
4. DisplayPort™ 1.2
5. USB-C® Port (Alt Mode DisplayPort™ 1.2, power delivery up to 65W)

6. DisplayPort™ 1.2 out
7. RJ45
8. USB – A Port (2)
9. USB – A Port (2)

QuickSpecs

Technical Specifications

Models: 40Z29AA

Panel Specifications	**Display Size (Diagonal)**	27"
	Panel Technology	IPS
	Max Refresh Rate	75
	Native Resolution	2560 x 1440 *
		Panel is VESA standards compliant
	Panel Bit Depth	16.7M colors/ 8bit
	Aspect Ratio	16:9
	Brightness (Typical)	300 nits
	Contrast Ratio (Static)	1000:1
	Dynamic Contrast Ratio	10,000,000:1
	Flicker Free	Yes
	Pixel Pitch	0.2331 (H) ×0.2331(V)
	Pixels Per Inch (PPI)	109 PPI
	Backlight Lamp Life Minimum (To Half Brightness - In Hours)	30,000
	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 Metric (W X H)	59.6736 x 33.5664
	Panel Active Area Imperial (W X H)	23.49 x 13.22

NOTE: performance specifications represent the typical specifications provided by hp's component manufacturers; actual performance may vary either higher or lower.

Color Gamut Coverage	**sRGB**	99%
Color Management	**Color Space/ Subsampling Support**	RGB 4:4:4
	RGB Channel Adjust	Yes, Gain
	Default Color Temperature	Yes, 6500K
	Factory Color Calibrated	Yes (Color Temperature)
	Factory Color Presets	Warm - 5000K,
		Neutral - 6500K,
		Cool - 9300K
Monitor Specifications	**Bezel Type**	3-sided Micro Edge
	Color Of Stand	Silver
	Color Of Head	Black
	Tilt	-5 to 23°
	Swivel	±45°
	Pivot	±90°
	Height Adjust Range	150mm
	Vesa Mounting	100 mm x 100 mm
	Security Lock	Standard Security Lock Slot
	Detachable Stand	Yes
	Warranty	Based on region
	Low Blue Light	Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)
Multimedia	**Webcam**	5 MP

Technical Specifications

	Webcam Features	Independent tilt -20° to 5°, Windows Hello support (IR sensor), Pop-up privacy
	Windows Hello Compatible	Yes
	Microphone	Yes (noise cancelling)
	Speaker Output Power	2 x 5W
	Conferencing Hot Keys	Mic mute, Speaker Mute, Volume Up/Down
	Certified Collaboration Software	Zoom
	Display Software	HP Display Center*, HP Display Manager
		*Host PC requires Windows 10. HP Display Center is available on the Microsoft store.
On Screen Display (OSD)	**On Screen Display User Controls**	Brightness+, Color, Image, Input, Power, Menu, Management, Information, Exit
	Native Resolution	QHD (2560 x 1440)
		NOTE: DisplayPort 1.2 or HDMI 1.4 or USB-C 3.1 Gen1 (DP alt mode compatible) required to drive panel at its native resolution.
		The video card of the connected PC must be capable of supporting 2560 x 1440 at 60 Hz using one DP, HDMI, or USB-C (DP alt mode).
	Maximum Resolution	2560x1440 @75 Hz
	Preset Graphic Modes/Supported Resolutions	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
		1600 x 1200 @ 60 Hz
		1680 x 1050 @ 60 Hz
		1920 x 1080 @ 60 Hz
		1920 x 1200 @ 60 Hz
		2560 x 1400 @ 60 Hz
		2560 x 1440 @ 75Hz
	Minimum Vertical Scan Rate	50 Hz
	Maximum Vertical Scan Rate	75 Hz
	Minimum Horizontal Scan Rate	30K
	Maximum Horizontal Scan Rate	115.0 kHz
	Maximum Pixel Clock	340.0 MHz
	User Programmable Modes	Yes, 10
	User-Assignable Function Buttons	Yes, 3 (7 options)
	AUDIO	Built-in speakers
	Languages	11 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese, Russian)
Connector Types	**DisplayPort™**	1 DisplayPort™ 1.2
	DisplayPort™ Out	1 DisplayPort™ 1.2-out
	HDMI	1 HDMI 1.4
	HDCP	Yes, DisplayPort and HDMI
	USB Type-C® Video and Data Transfer	1 USB Type C® (Alt Mode DisplayPort™ 1.2, power delivery up to 65W)
	USB- A	4 USB-A
	AUDIO PORT	1 x 3.5 mm Audio Jack (Audio In/Out Combo)

Technical Specifications

	ETHERNET	Yes
Special Features	**SWITCH**	Menu, Minus ("-")/Brightness, Plus ("+")/Color, OK/Next Active Input, Power
	Remote Manageability	In-Band MAPT, In-Band WoL, PXE Boot
	User Presets	16
	User Updateable Firmware	Yes
Power & Operating Specs	**Power Supply**	Internal Power Supply
	Power Source	100~240 VAC 50/60 Hz
	Power Consumption- Max	<160w
	Energy Saving/Stand By Mode	<0.5w
	Power Consumption- Typical	<51w
Energy Star Data	**Operational Mode at 100 VAC**	21.7 W
	Operational Mode at 115 VAC	21.7 W
	Operational Mode at 230 VAC	21.7 W
EU Energy Efficiency Class (ERP Lot-5)	**On-mode Power Consumption**	24W
	Energy Efficiency Class	A↑G F
Operating Conditions	**Operating Temperature - Celsius**	5° – 35°
	Operating Temperature - Fahrenheit	41° – 95°
	Non-operating Temperature - Celsius	−34° – 60°
	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	**Low Halogen**	Yes
		NOTE: External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
	Agency Approvals and Certifications	WW application CE/CB/KC/KCC/E-Standby(KES)/NOM/ICE/TUV-S/ISO 9241-307/ EAC/cTUVus/PSB/ISC/CCC/CEL/CECP/SEPA/TCO/TCO Certified Edge/VCCI/FCC/BSMI/ WEEE/UAE ECAS/Ukraine/South Africa NRCS/BIS/RCM/ TUV-GS/Energy star 8.0/Mexico energy/Belarus Energy/TGM
	Microsoft WHQL Certification	Win 11, Win 10
	ENERGY STAR® Certified	Yes, ENERY STAR®
	EPEAT® Registered	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	Grade 1
	TCO Certified Edge	Yes
	TCO Certified	Yes
	SmartWay Transport Partnership - NA only	Yes (NA sku)

QuickSpecs

Technical Specifications

Contains Recycled Plastics	Contains Recycled Plastics	ABS 85%, 5% Ocean-Bound Plastic
	Recyclable Packaging (Box, packing materials)	100%*
		*100% outer box packaging made from sustainably sourced certified and recycled fibers. Fiber cushions made from 100% recycled wood fiber and organic material. Any plastic cushions are made from >90% recycled plastic.

Unit Product/Package Specifications		**Metric**	**Imperial**
	Product Dimensions (Unpacked with stand) (W x D x H)	61.28 x 21.60 x 55.10 cm	24.13 x 8.50 x 21.69 in
	Product Dimensions (Packed) (W x D x H)	69.5 x 19 x 48.3 cm	27.36 x 7.48 x 19.02 in
	Display Head Dimensions (Unpacked without stand) (W x D x H)	61.28 x 4.70 x 39.66 cm	24.13 x 1.85 x 15.61 in
	Base Area Footprint (w x d mm)	288 x 216 mm	11.34 x 8.50 in
	Bezel Measurements	52 mm	2.05 in
	Product Weight (Unpacked with stand)	8.52kg kg	18.78 lb
	Product Weight (Packed)	11.97 kg	26.38 lb
	Product Weight (Head Only)	5.88 kg	12.96 lb

Pallet Information			
	Pallet Dimensions (L x W x H)	1152 x 701 x 2060 mm	45.35 x 27.6 x 81.1 in
	Pallet Total Weight (L x W x H)	300 kg	661.38 lb
	Pallet Layers	4	
	Pallet Product per Layer	6	
	Total Products per Pallet	24	
	Container Load, 20-Foot	384	
	Container Load, 40-Foot	816	
	Container Load, 40-Foot HighQ	1020	

What's in the box?	AC power cord (1.83m) 6.2 ft
	USB C to C Cable (1.8m) 5.9 ft
	Warranty
	Product Notice
	Quick Setup Poster

User Guide and Warranty Languages	User Guide Languages	Arabic, Bahasa Indonesia, Bulgarian, Chinese-S, Chinese-T, Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Kazakh, Korean, Latvian, Lithuanian, Norwegian, Polish, Portuguese (Brazilian), Portuguese (Iberian), Romanian, Russian, Serbian, Slovak, Slovenian, Spanish, Swedish, Thai, Turkey, Ukrainian
	Warranty Languages	English US (EN), English AP (EN-AP), English LA (EN-LA), English UK (EN-GB), Arabic (AR) -17x, Bahasa Indonesia (ID), Bosnian (BS), Bulgarian (BG), Chinese-S (CN), Chinese-T (TW), Croatian (HR), Czech (CS), Danish (DA), Dutch (NL), Estonian (ET), Finnish (FI), French Canadian (FC), French European (FR), German (DE), Greek (EL), Hebrew (HE), Hungarian (HU), Italian (IT), Japanese (JA), Kazakh (KK), Korean (KO), Latvian (LV), Lithuanian (LT), Norwegian (NO),

Technical Specifications

Polish (PL), Portuguese, Brazilian (BR), Portuguese, Iberian (PT), Romanian (RO), Russian (RU), Serbian (SR), Slovak (SK), Slovenian (SL), Spanish, Castilian (ES-ES), Spanish, Latin America (ES-MX), Swedish (SV), Thai (TH), Turkish (TR), Ukrainian (UK), Vietnamese (VI)

QuickSpecs

Technical Specifications

ENVIRONMENTAL DATA

Eco-Label Certifications & declarations	This product has received or is in the process of being certified to the following approvals and may be labeled with one or more of these marks: • IT ECO declaration • US ENERGY STAR® • US Federal Energy Management Program (FEMP) • EPEAT^â Gold: registered in the United States. See http://www.epeat.net for registration status in your country. • TCO Certified • China Energy Conservation Program (CECP) • China State Environmental Protection Administration (SEPA) • Taiwan Green Mark • Korea Eco-label • Japan PC Green label*
Sustainable Impact Specifications	• Ocean-bound plastic in Stand • 80% post-consumer recycled plastic • Low halogen • Outside Box and corrugated cushions are 100% sustainably sourced and recyclable
System Configuration	The configuration used for the Energy Consumption and Declared Noise Emissions data for the Notebook model is based on a "Typically Configured Notebook".

Energy Consumption (in accordance with US ENERGY STAR® test method)	115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz
Normal Operation (Short idle)	21.7 W	21.57 W	N/A
Sleep	0.41 W	0.43 W	N/A
Off	0.38 W	0.4 W	N/A
	NOTE: Energy efficiency data listed is for an ENERGY STAR® compliant product if offered within the model family. HP computers marked with the ENERGY STAR® Logo are compliant with the applicable U.S. Environmental Protection Agency (EPA) ENERGY STAR® specifications for computers. If a model family does not offer ENERGY STAR® compliant configurations, then energy efficiency data listed is for a typically configured PC featuring a hard disk drive, a high efficiency power supply, and a Microsoft Windows® operating system.		
Heat Dissipation*	**115VAC, 60Hz**	**230VAC, 50Hz**	**100VAC, 50Hz**
Normal Operation (Short idle)	74.21 BTU/hr	73.77 BTU/hr	N/A
Sleep	1.4 BTU/hr	1.47 BTU/hr	N/A
Off	1.3 BTU/hr	1.37 BTU/hr	N/A
	***NOTE:** Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.		
Longevity and Upgrading	This product can be upgraded, possibly extending its useful life by several years. Upgradeable features and/or components contained in the
	Spare parts are available throughout the warranty period and or for up to "5" years after the end of production.

QuickSpecs

Technical Specifications

Additional Information	• This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive - 2011/65/EC. • This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive – 2002/96/EC. • This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986). • This product is in compliance with the IEEE 1680 (EPEAT) standard at the Gold level, see www.epeat.net • Plastics parts weighing over 25 grams used in the product are marked per ISO11469 and ISO1043. • This product is 95.4% recycle-able when properly disposed of at end of life.		
Packaging Materials	**External:**	PAPER/Corrugated	2210 g
	Internal:	PLASTIC/Polyethylene high density - HDPE	66 g
	The plastic packaging material contains at least 0% recycled content.		
	The corrugated paper packaging materials contains at least 92% recycled content.		
RoHS Compliance	HP Inc. complies fully with materials regulations. We were among the first companies to extend the restrictions in the European Union (EU) Restriction of Hazardous Substances (RoHS) Directive to our products worldwide through the HP GSE. HP has contributed to the development of related legislation in Europe, as well as China, India, and Vietnam. We believe the RoHS directive and similar laws play an important role in promoting industry-wide elimination of substances of concern. We have supported the inclusion of additional substances—including PVC, BFRs, and certain phthalates—in future RoHS legislation that pertains to electrical and electronics products. We met our voluntary objective to achieve worldwide compliance with the new EU RoHS requirements for virtually all relevant products by July 2013, and we will continue to extend the scope of the commitment to include further restricted substances as regulations continue to evolve. To obtain a copy of the HP RoHS Compliance Statement, see HP RoHS position statement.		
Material Usage	This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at http://www.hp.com/hpinfo/globalcitizenship/environment/supplychain/gen_specifications.html): • Asbestos • Certain Azo Colorants • Certain Brominated Flame Retardants – may not be used as flame retardants in plastics • Cadmium • Chlorinated Hydrocarbons • Chlorinated Paraffins • Bis(2-Ethylhexyl) phthalate (DEHP) • Benzyl butyl phthalate (BBP) • Dibutyl phthalate (DBP) • Diisobutyl phthalate (DIBP) • Formaldehyde • Halogenated Diphenyl Methanes • Lead carbonates and sulfates • Lead and Lead compounds • Mercuric Oxide Batteries • Nickel – finishes must not be used on the external surface designed to be frequently handled or carried by the user. • Ozone Depleting Substances • Polybrominated Biphenyls (PBBs)		

Technical Specifications

	• Polybrominated Biphenyl Ethers (PBBEs) • Polybrominated Biphenyl Oxides (PBBOs) • Polychlorinated Biphenyl (PCB) • Polychlorinated Terphenyls (PCT) • Polyvinyl Chloride (PVC) – except for wires and cables, and certain retail packaging has been voluntarily removed from most applications. • Radioactive Substances • Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)
Packaging Usage	HP follows these guidelines to decrease the environmental impact of product packaging: • Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials. • Eliminate the use of ozone-depleting substances (ODS) in packaging materials. • Design packaging materials for ease of disassembly. • Maximize the use of post-consumer recycled content materials in packaging materials. • Use readily recyclable packaging materials such as paper and corrugated materials. • Reduce size and weight of packages to improve transportation fuel efficiency. • Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.
End-of-life Management and Recycling	HP offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: http://www.hp.com/go/reuse-recycle or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner. The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: http://www.hp.com/go/recyclers. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.
HP, Inc. Corporate Environmental Information	For more information about HP's commitment to the environment: Global Citizenship Report http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html Eco-label certifications http://www8.hp.com/us/en/hp-information/environment/ecolabels.html ISO 14001 certificates: http://h20195.www2.hp.com/V2/GetDocument.aspx?docname=c04755842 and http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/cert.pdf
footnotes	• Percentage of ocean-bound plastic contained in each component varies by product • Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard. • External power supplies, WWAN modules, power cords, cables and peripherals excluded. • 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.

Technical Specifications

QuickSpecs

HP E27m G4 QHD USB-C Conferencing Monitor

Summary

Change Log

November 15, 2021	V1 to V2	Remove	Auto Focus from Webcam Features; Add Environmental Data
April 13, 2023	V2 to V3	Updated	Color Management section
December 21, 2023	V3 to V4	Added	Windows 11
	V4 to V5		