

### Technical Specifications

#### HP E24m G4 FHD USB-C Conferencing Monitor



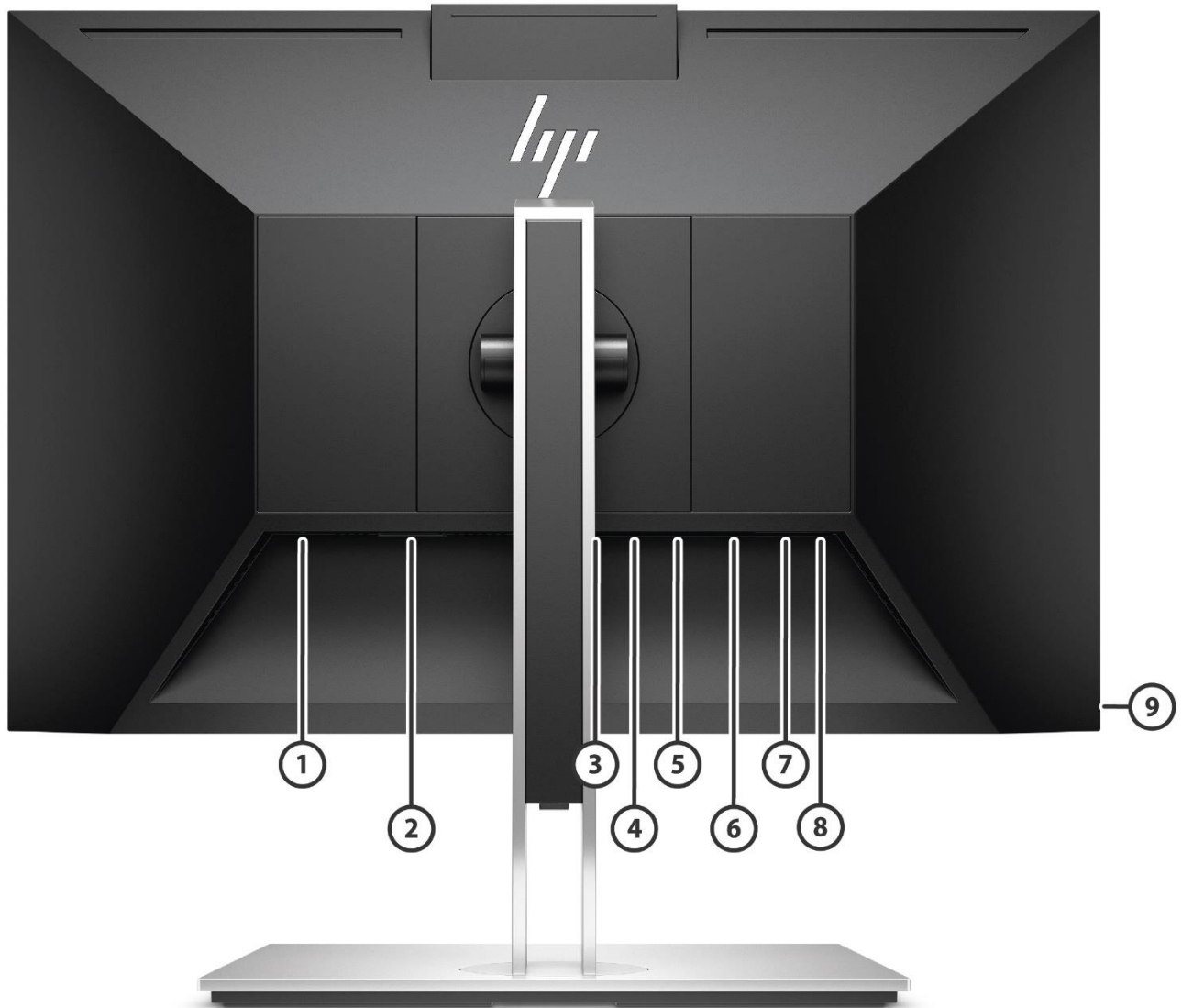
1. Microphones (2)
2. Camera Light
3. RGB Lens
4. IR Lens
5. IR LED

#### Front

6. Audio Buttons
7. OSD Buttons
8. Power LED
9. Power Button
10. Audio Combo Jack

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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)

#### Back

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

### Technical Specifications


Models: 40Z32AA

<b>Panel Specifications</b>	<b>Display Size (Diagonal)</b>	23.8"	
	<b>Panel Technology</b>	IPS	
	<b>Max Refresh Rate</b>	75 Hz	
	<b>Native Resolution</b>	1920 x 1080*	
		*Panel is VESA standards compliant.	
	<b>Panel Bit Depth</b>	16.7M colors/ 8 bit (6 bit+ 2FRC)	
	<b>Aspect Ratio</b>	16:9	
	<b>Brightness (Typical)</b>	300 nits	
	<b>Contrast Ratio (Static)</b>	1,000 :1	
	<b>Dynamic Contrast Ratio</b>	10,000,000:1	
	<b>Flicker Free</b>	Yes	
	<b>Pixel Pitch</b>	0.2745 (H) ×0.2745(V)	
	<b>Pixels Per Inch (PPI)</b>	93 PPI	
	<b>Backlight Lamp Life Minimum (To Half Brightness - In Hours)</b>	30,000	
	<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 Metric (W X H)</b>	52.704 x 29.646		
<b>Panel Active Area Imperial (W X H)</b>	20.74 x 11.67		
<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 Gamut Coverage</b>	<b>sRGB</b>	99%	
<b>Color Management</b>	<b>Color Space/ Subsampling Support</b>	RGB 4:4:4	
	<b>RGB Channel Adjust</b>	Yes, Gain	
	<b>Default Color Temperature</b>	Yes, 6500K	
<b>Monitor Specifications</b>	<b>Bezel Type</b>	3-sided Micro Edge	
	<b>Color Of Stand</b>	Silver	
	<b>Color Of Head</b>	Black	
	<b>Tilt</b>	-5 to +23°	
	<b>Swivel</b>	±45°	
	<b>Pivot</b>	±90°	
	<b>Height Adjust Range</b>	150mm	
	<b>Vesa Mounting</b>	100 mm x 100 mm	
	<b>Security Lock</b>	Standard Security Lock Slot	
	<b>Detachable Stand</b>	Yes	
	<b>Warranty</b>	Based on region	
<b>Low Blue Light</b>		Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)	
<b>Multimedia</b>	<b>Webcam</b>	5 MP	
	<b>Webcam Features</b>	Independent tilt -20° to 5°, Windows Hello support (IR sensor), Pop-up privacy	
	<b>Windows Hello Compatible</b>	Yes	
	<b>Microphone</b>	Yes (noise cancelling)	

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	<b>Speaker Output Power</b>	2 x 5W
	<b>Conferencing Hot Keys</b>	Mic mute, Speaker Mute, Volume Up/Down
	<b>Certified Collaboration Software</b>	Zoom
	<b>Works With Chromebook Certified Display Software</b>	Yes
		HP Display Center*, HP Display Manager
		*Host PC requires Windows 10. HP Display Center is available on the <a href="#">Microsoft store</a> .
<b>On Screen Display (OSD)</b>	<b>On Screen Display User Controls</b>	Brightness+, Color, Image, Input, Power, Menu, Management, Information, Exit
	<b>Native Resolution</b>	Full HD (1920 x 1080)
		<b>NOTE:</b> 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 1920x1080 at 60 Hz using one DP, HDMI, or USB-C (DP alt mode).
	<b>Maximum Resolution</b>	1920x1080 @75Hz
	<b>Preset Graphic Modes/Supported Resolutions</b>	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 1920 x 1080 @ 75Hz
	<b>Minimum Vertical Scan Rate</b>	50 Hz
	<b>Maximum Vertical Scan Rate</b>	75 Hz
	<b>Minimum Horizontal Scan Rate</b>	30K
	<b>Maximum Horizontal Scan Rate</b>	85K
	<b>Maximum Pixel Clock</b>	180.0 MHz
	<b>User Programmable Modes</b>	Yes, 10
	<b>User-Assignable Function Buttons</b>	Yes, 3 (7 options)
	<b>AUDIO</b>	Built-in speakers
	<b>Languages</b>	11 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese, Russian)
<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>HDCP</b>	Yes, DisplayPort and HDMI
	<b>USB Type-C® Video and Data Transfer</b>	1 USB Type C® (Alt Mode DisplayPort™ 1.2, power delivery up to 65W)
	<b>USB- A</b>	4 USB-A
	<b>AUDIO PORT</b>	1 x 3.5 mm Audio Jack (Audio In/Out Combo)
	<b>ETHERNET</b>	Yes
<b>Special Features</b>	<b>Switch</b>	Menu, Minus ("-")/Brightness, Plus ("+")/Color, OK/Next Active Input, Power
	<b>Remote Manageability</b>	In-Band MAPT, In-Band WoL, PXE Boot
	<b>User Presets</b>	12
	<b>User Updateable Firmware</b>	Yes

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<b>Power &amp; Operating Specs</b>	<b>Power Supply</b> <b>Power Source</b> <b>Power Consumption- Max</b> <b>Energy Saving/Stand By Mode</b> <b>Power Consumption- Typical</b>	Internal Power Supply 100~240 VAC 50/60 Hz <150w <0.5w <37W
<b>Energy Star Data</b>	<b>Operational Mode at 100 VAC</b> <b>Operational Mode at 115 VAC</b> <b>Operational Mode at 230 VAC</b>	15.9 W 15.9 W 15.9 W
<b>EU Energy Efficiency Class (ERP Lot-5)</b>	<b>On-mode Power Consumption</b> <b>Energy Efficiency Class</b>	18 W 
<b>Operating Conditions</b>	<b>Operating Temperature - Celsius</b> <b>Operating Temperature - Fahrenheit</b> <b>Non-Operating Temperature - Celsius</b> <b>Non-Operating Temperature - Fahrenheit</b> <b>Operating Humidity</b> <b>Non-Operating Humidity</b> <b>Operating Altitude</b> <b>Non-Operating Altitude</b>	5° – 35° C 41° – 95° F -34° – 60°C -29° – 140°F  20 – 80% Relative Humidity (non-condensing) 5 – 95 0 – 5,000 m (16,400 ft.) 0 – 12,192 m (40,000 ft.)
<b>Environmental Features and Certifications</b>	<b>Low Halogen</b>  <b>Agency Approvals and Certifications</b>  <b>Microsoft WHQL Certification</b> <b>Energy Star® Certified</b> <b>EPEAT® Registered</b>  <b>China Energy Label</b> <b>TCO Certified Edge</b> <b>TCO Certified</b> <b>SmartWay Transport Partnership - NA only</b>	Yes <b>NOTE:</b> External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen. 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/ Vietnam MEPS/Australian-New Zealand MEPS/WEEE/UAE ECAS/Ukraine/South Africa NRCS/BIS/RCM/ TUV-GS/Energy star 8.0/Mexico energy/Belarus Energy/TGM Win 10 Yes, ENERGY STAR® EPEAT® registered* *Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit <a href="http://www.epeat.net">http://www.epeat.net</a> for more information CEL, Grade 1 Yes Yes Yes (NA sku)
<b>Contains Recycled Plastics</b>	<b>Contains Recycled Plastics</b> <b>Recyclable Packaging (Box, packing materials)</b>	ABS 85%, 5% Ocean-Bound Plastic 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.

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		<b>Metric</b>	<b>Imperial</b>
<b>Unit Product/Package Specifications</b>	<b>Product Dimensions</b> (Unpacked with stand) (W x D x H)	53.94 x 21.6 x 53.07 cm	21.24 x 8.5 x 20.9 in
	<b>Product Dimensions</b> (Packed) (W x D x H)	60.3 x 19.2 x 42.1 cm	23.74 x 7.56 x 16.57 in
	<b>Display Head Dimensions</b> (Unpacked without stand) (W x D x H)	53.94 x 4.7 x 35.56 cm	21.24 x 1.85 x 14 in
	<b>Base Area Footprint</b> (w x d mm)	288 x 216 mm	11.34 x 8.50 in
	<b>Bezel Measurements</b>	Bottom: 52 mm	Bottom: 2.05 in
	<b>Product Weight</b> (Unpacked with stand)	7.39 kg	16.29 lb
	<b>Product Weight</b> (Packed)	10.31 kg	22.73 lb
	<b>Product Weight</b> (Head Only)	4.76 kg	10.47 lb
	<b>Pallet Information</b>	<b>Pallet Dimensions</b> (L x W x H)	1216 x 970 x 2248 mm
<b>Pallet Total Weight</b> (L x W x H)		528.5 kg	1165.13 lb
<b>Pallet Layers</b>		5	
<b>Pallet Product per Layer</b>		10	
<b>Total Products per Pallet</b>		50	
<b>Container Load, 20-Foot</b>		500	
<b>Container Load, 40-Foot</b>	1100		
<b>Container Load, 40-Foot HighQ</b>	1100		
<b>What's in the box?</b>	AC power cord (1.83m) 6.2 ft USB C to C Cable (1.8m) 5.9 ft Warranty Product Notice Quick Setup Poster		
<b>User Guide and Warranty Languages</b>	<b>User Guide Languages</b>	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	
	<b>Warranty Languages</b>	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), 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)	

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#### ENVIRONMENTAL DATA

<b>Eco-Label Certifications &amp; declarations</b>	<p>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:</p> <p>IT ECO declaration</p> <ul style="list-style-type: none"> <li>• US ENERGY STAR®</li> <li>• US Federal Energy Management Program (FEMP)</li> <li>• EPEAT® Gold: registered in the United States. See <a href="http://www.epeat.net">http://www.epeat.net</a> for registration status in your country.</li> <li>• TCO Certified</li> <li>• China Energy Conservation Program (CECP)</li> <li>• China State Environmental Protection Administration (SEPA)</li> <li>• Taiwan Green Mark</li> <li>• Korea Eco-label</li> <li>• Japan PC Green label*</li> </ul>		
<b>Sustainable Impact Specifications</b>	<ul style="list-style-type: none"> <li>• Ocean-bound plastic in Stand</li> <li>• 80% post-consumer recycled plastic</li> <li>• Low halogen</li> <li>• Outside Box and corrugated cushions are 100% sustainably sourced and recyclable</li> </ul>		
<b>System Configuration</b>	<p>The configuration used for the Energy Consumption and Declared Noise Emissions data for the Notebook model is based on a “Typically Configured Notebook”.</p>		
<b>Energy Consumption (in accordance with US ENERGY STAR® test method)</b>	<b>115VAC, 60Hz</b>	<b>230VAC, 50Hz</b>	<b>100VAC, 50Hz</b>
Normal Operation (Short idle)	15.9 W	15.79 W	N/A
Sleep	0.43 W	0.46 W	N/A
Off	0.27 W	0.28 W	N/A
	<p><b>NOTE:</b>            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.</p>		
<b>Heat Dissipation*</b>	<b>115VAC, 60Hz</b>	<b>230VAC, 50Hz</b>	<b>100VAC, 50Hz</b>
Normal Operation (Short idle)	54.38 BTU/hr	54 BTU/hr	N/A
Sleep	1.47 BTU/hr	1.57 BTU/hr	N/A
Off	0.92 BTU/hr	0.96 BTU/hr	N/A
	<p><b>*NOTE:</b> Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.</p>		
<b>Longevity and Upgrading</b>	<p>This product can be upgraded, possibly extending its useful life by several years. Upgradeable features and/or components contained in the</p>		

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	Spare parts are available throughout the warranty period and or for up to “5” years after the end of production.		
<b>Additional Information</b>	<ul style="list-style-type: none"> <li>This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive - 2011/65/EC.</li> <li>This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive – 2002/96/EC.</li> <li>This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986).</li> <li>This product is in compliance with the IEEE 1680 (EPEAT) standard at the Gold level, see <a href="http://www.epeat.net">www.epeat.net</a></li> <li>Plastics parts weighing over 25 grams used in the product are marked per ISO11469 and ISO1043.</li> <li>This product is 94.9% recycle-able when properly disposed of at end of life.</li> </ul>		
<b>Packaging Materials</b>	<b>External:</b>	PAPER/Corrugated	2273 g
	<b>Internal:</b>	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.		
<b>RoHS Compliance</b>	<p>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.</p> <p>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.</p> <p>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.</p> <p>To obtain a copy of the HP RoHS Compliance Statement, see <a href="#">HP RoHS position statement</a>.</p>		
<b>Material Usage</b>	<p>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 <a href="http://www.hp.com/hpinfo/globalcitizenship/environment/supplychain/gen_specifications.html">http://www.hp.com/hpinfo/globalcitizenship/environment/supplychain/gen_specifications.html</a>):</p> <ul style="list-style-type: none"> <li>Asbestos</li> <li>Certain Azo Colorants</li> <li>Certain Brominated Flame Retardants – may not be used as flame retardants in plastics</li> <li>Cadmium</li> <li>Chlorinated Hydrocarbons</li> <li>Chlorinated Paraffins</li> <li>Bis(2-Ethylhexyl) phthalate (DEHP)</li> <li>Benzyl butyl phthalate (BBP)</li> <li>Dibutyl phthalate (DBP)</li> <li>Diisobutyl phthalate (DIBP)</li> <li>Formaldehyde</li> <li>Halogenated Diphenyl Methanes</li> <li>Lead carbonates and sulfates</li> <li>Lead and Lead compounds</li> <li>Mercuric Oxide Batteries</li> <li>Nickel – finishes must not be used on the external surface designed to be frequently handled or carried by the user.</li> </ul>		



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	<ul style="list-style-type: none"> <li>• Ozone Depleting Substances</li> <li>• Polybrominated Biphenyls (PBBs)</li> <li>• Polybrominated Biphenyl Ethers (PBEBs)</li> <li>• Polybrominated Biphenyl Oxides (PBBOs)</li> <li>• Polychlorinated Biphenyl (PCB)</li> <li>• Polychlorinated Terphenyls (PCT)</li> <li>• Polyvinyl Chloride (PVC) – except for wires and cables, and certain retail packaging has been voluntarily removed from most applications.</li> <li>• Radioactive Substances</li> <li>• Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)</li> </ul>
<b>Packaging Usage</b>	<p>HP follows these guidelines to decrease the environmental impact of product packaging:</p> <ul style="list-style-type: none"> <li>• Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials.</li> <li>• Eliminate the use of ozone-depleting substances (ODS) in packaging materials.</li> <li>• Design packaging materials for ease of disassembly.</li> <li>• Maximize the use of post-consumer recycled content materials in packaging materials.</li> <li>• Use readily recyclable packaging materials such as paper and corrugated materials.</li> <li>• Reduce size and weight of packages to improve transportation fuel efficiency.</li> <li>• Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.</li> </ul>
<b>End-of-life Management and Recycling</b>	<p>HP offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: <a href="http://www.hp.com/go/reuse-recycle">http://www.hp.com/go/reuse-recycle</a> or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.</p> <p>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: <a href="http://www.hp.com/go/recyclers">http://www.hp.com/go/recyclers</a>. 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.</p>
<b>HP, Inc. Corporate Environmental Information</b>	<p>For more information about HP's commitment to the environment:</p> <p>Global Citizenship Report  <a href="http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html">http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html</a></p> <p>Eco-label certifications  <a href="http://www8.hp.com/us/en/hp-information/environment/ecolabels.html">http://www8.hp.com/us/en/hp-information/environment/ecolabels.html</a></p> <p>ISO 14001 certificates:  <a href="http://h20195.www2.hp.com/V2/GetDocument.aspx?docname=c04755842">http://h20195.www2.hp.com/V2/GetDocument.aspx?docname=c04755842</a>  and  <a href="http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/cert.pdf">http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/cert.pdf</a></p>
<b>footnotes</b>	<ul style="list-style-type: none"> <li>• Percentage of ocean-bound plastic contained in each component varies by product</li> <li>• Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.</li> <li>• External power supplies, WWAN modules, power cords, cables and peripherals excluded.</li> <li>• 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.</li> </ul>

### *Technical Specifications*

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### Summary

#### Change Log

Change Log			
November 15, 2021	V1 to V2	Remove	Auto Focus from Webcam Features; Add Environmental Data
December 9, 2021	V2 to V3	Add	WWCB certification
February 7, 2023	V3 to V4	Update	EU Energy Efficiency Class (ERP Lot-5) section
	V4 to V5		