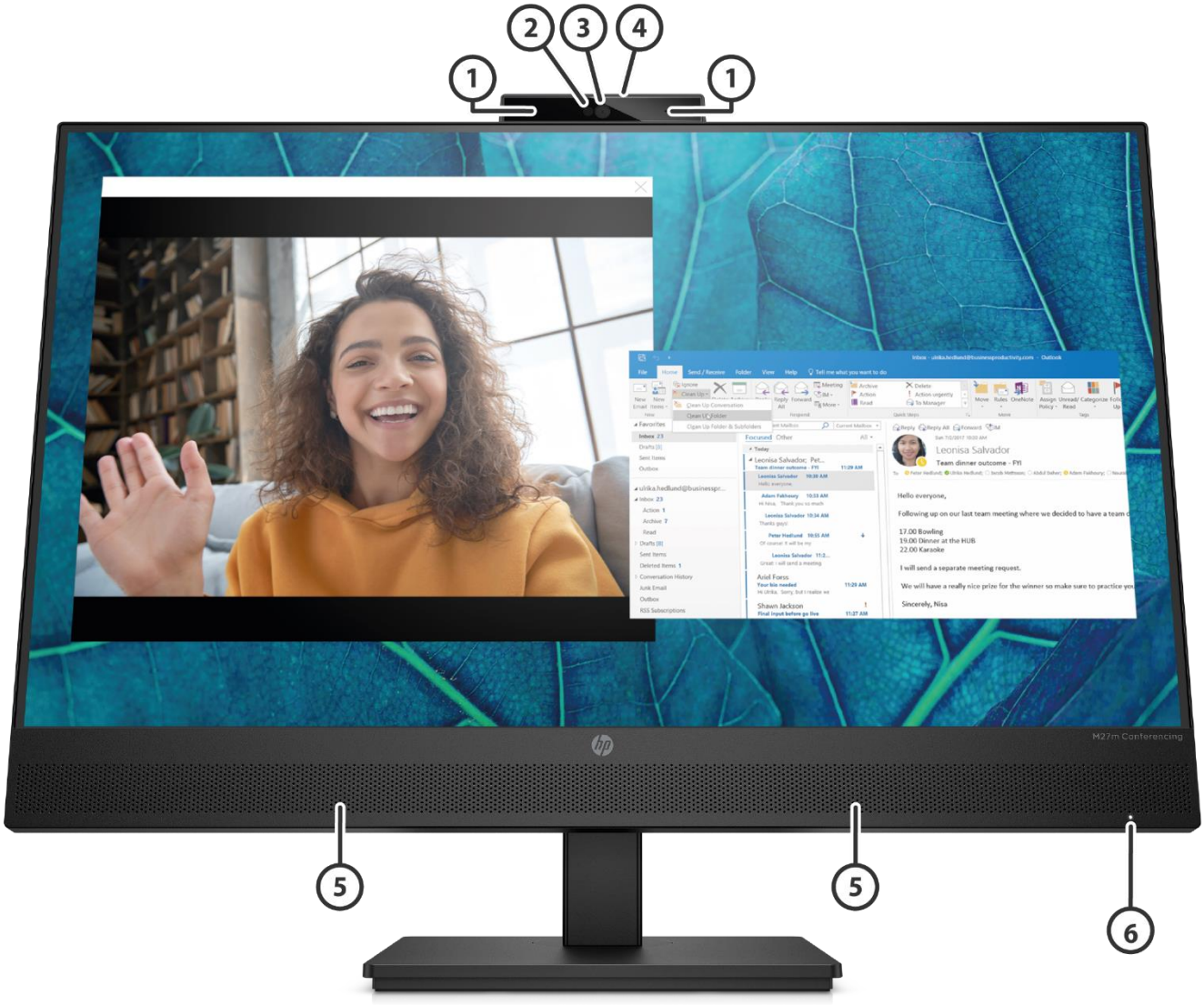
*Technical Specifications*

## HP M27m FHD USB-C Conferencing Monitor




### Front

1. Microphones (2)
2. Camera Light
3. 5MP Webcam
4. Privacy Slider
5. Speakers
6. Power LED

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## HP M27m FHD USB-C Conferencing Monitor

### Back

1. OSD Button
2. Power Button
3. Security Cable Slot
4. Power Connector
5. DisplayPort™ 1.4
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

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**Model:** 678U8AA, 678U8AT

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|---|---|---|
| **Panel Specifications** | **Display Size (Diagonal)** | 27” |
| | **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** | 0.3114 x 0.3114 mm |
| | **Pixels Per Inch (PPI)** | 82 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)** | 59.79 x 33.63 cm |
| | **Panel Active Area Imperial (W X H)** | 23.54 x 13.24 in |

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

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|---|---|---|
| **Color** | **sRGB** | (CIE 1931)99% |
| **Color Management** | **Color Space/ Subsampling Support** | RGB 4:4:4 |
| | **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** | 100 mm |
| | **Vesa Mounting** | 100 mm x 100 mm |
| | **Security Lock** | Standard Security Lock Slot |
| | **Detachable Stand** | Yes |
| | **Warranty** | 2/2/0 EMEA |
| | **Low Blue Light** | Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified) |
| | **Webcam** | 5MP |
| | **Microphone** | Dual microphone (noise cancelling) |

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|---|---|---|
| | **Speaker Output Power** | 2 x 2 W |
| | **Management 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)<br>**NOTE**: DisplayPort 1.2 or HDMI 1.4 or USB-C (DP alt mode) required to drive panel at its native resolution.<br>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** | 1920×1080 @75Hz |
| | **Preset Graphic Modes/Supported Resolutions** | 640 x 480 @ 60Hz<br>720 x 400 @ 70 Hz<br>800 x 600 @ 60 Hz<br>1024 x 768 @ 60 Hz<br>1280 x 720 @ 60 Hz<br>1280 x 800 @ 60 Hz<br>1280 x 1024 @ 60 Hz<br>1440 x 900 @ 60 Hz<br>1600 x 900 @ 60 Hz<br>1680 x 1050 @ 60 Hz<br>1920 x 1080 @ 60 Hz |
| | **Minimum Vertical Scan Rate** | 48 Hz |
| | **Maximum Vertical Scan Rate** | 75 Hz |
| | **Minimum Horizontal Scan Rate** | 30 kHz |
| | **Maximum Horizontal Scan Rate** | 85 kHz |
| | **Maximum Pixel Clock** | 180 MHz |
| | **User Programmable Modes** | Yes, 20 |
| | **User-Assignable Function Buttons** | Yes, 3 (7 optional) |
| | **Audio** | Built-in speakers |
| | **Languages** | 10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese) |
| **Connector Types** | **DisplayPort™** | 1 DisplayPort™ 1.2 |
| | **HDMI** | 1 HDMI 1.4 |
| | **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 |
| **Power & Operating Specs** | **Power Supply** | Internal |
| | **Power Source** | 100 – 240 VAC 50/60 Hz |

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| | **Power Consumption- Max** | 130 |
| | **Energy Saving/Stand By Mode** | 0.5 |
| | **Power Consumption - Typical** | 30 |
| **Energy Star Data** | **Operational Mode at 100 VAC** | 17 |
| | **Operational Mode at 115 VAC** | 17 |
| | **Operational Mode at 230 VAC** | 17 |
| **EU Energy Efficiency Class (ErP LOT-5)** | **On-mode Power Consumption (EC 1062/2010)** | 20 |
| | **Annual Power Consumption (EC 1062/2010)** | 29 |
| | **EMEA energy ErP Lot5** | |
| **Operating Conditions** | **Operating Temperature - Celsius** | 5° – 35°C |
| | **Operating Temperature - Fahrenheit** | 41° – 95°F |
| | **Non-Operating Temperature - Celsius** | –20° – 60°C |
| | **Non-Operating Temperature - Fahrenheit** | -4° – 140°F |
| | **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.) |
| **Certifications and Compliances** | **Low Halogen** | Yes*<br>*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** | EPEAT® registered*<br>*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) |
| **Contains Recycled Plastics** | **Contains Recycled Plastics** | ABS 85%* + 5%** Ocean Bound Plastic<br>*Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.<br>**5% ocean bound plastic by weight in each of the following components: Rear Cover, Middle Frame, Deco |

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|---|---|---|---|
| | | Door Webcam, VESA cover, Hinge top cover, Hinge btm cover, Lift cover, QR button, Column front cover, Column back cover, Swivel cover, Base cover. | |
| | **Recyclable Packaging (Box, packing materials)** | 100% fiber packaging, cardboard*<br><br>*100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers. | |
| | | **Metric** | **Imperial** |
| **Unit Product/Package Specifications** | **Product Dimensions** (Unpacked with stand) (W x D x H) | 61.20X 21.14 X 54.40 cm | 24.09 X 8.32X 21.42 in |
| | **Product Dimensions** (Packed) (W x D x H) | 69.2 x 22 x 46.9 cm | 27.24 x 8.66 x 18.46 in |
| | **Display Head Dimensions** (Unpacked without stand) (W x D x H) | 61.20X 4.82 X 41.30 cm | 24.09X 1.90 X16.26 in |
| | **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) | 7.3 kg | 16.06 lb |
| | **Product Weight** (Packed) | 11.3kg | 24.86 lb |
| | **Product Weight** (Head Only) | 4.6 kg | 10.12 lb |
| **Pallet Information** | **Pallet Dimensions** (L x W x H mm) | 1119 x 706 x 2016 | 44.06 x 27.8 x 79.37 |
| | **Pallet Total Weight** | 234.35 | 516.65 |
| | **Pallet Layers** | 4 | |
| | **Pallet Product per Layer** | 5 | |
| | **Total Products per Pallet** | 20 | |
| | **Container Load, 20-Foot** | 320 | |
| | **Container Load, 40-Foot** | 680 | |
| | **Container Load, 40-Foot HighQ** | 850 | |
| **What's in the box?** | AC power cord (1.83m) 6.0 ft<br>USB C-C cable (1.8m) 5.9 ft<br>USB C-A cable (1.8m)<br>HDMI cable (1.8m) 5.9ft<br>QSP<br>Warranty card<br>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 | |

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|---|---|
| | 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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## 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:<br>• IT ECO declaration<br>• US ENERGY STAR®<br>• US Federal Energy Management Program (FEMP)<br>• EPEAT Gold registered in the United States. See http://www.epeat.net for registration status in your country.<br>• China Energy Conservation Program (CECP)<br>• China State Environmental Protection Administration (SEPA)<br>• Taiwan Green Mark<br>• TCO Certified<br>• Korea Eco-label<br>• Japan PC Green label* | | |
| **Sustainable Impact Specifications** | • Ocean-bound plastic in Stand<br>• 60% post-consumer recycled plastic<br>• Low halogen<br>• 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) | 13.64 W | 13.87 W | 13.65 W |
| Normal Operation (Long idle) | N/A | N/A | N/A |
| Sleep | 0.26 W | 0.27 W | 0.23 W |
| Off | 0.22 W | 0.22 W | 0.19 W |
| | Note:<br>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) | 46.6 BTU/hr | 47.4 BTU/hr | 46.7 BTU/hr |
| Normal Operation (Long idle) | N/A | N/A | N/A |
| Sleep | 0.9 BTU/hr | 0.9 BTU/hr | 0.8 BTU/hr |
| Off | 0.8 BTU/hr | 0.8 BTU/hr | 0.6 BTU/hr |
| | *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<br>Spare parts are available throughout the warranty period and or for up to "5" years after the end of production. | | |

*Technical Specifications*

<table>
<tr><td>Additional Information</td><td colspan="3">• This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive - 2011/65/EC.<br>• This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive – 2002/96/EC.<br>• This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986).<br>• This product is in compliance with the IEEE 1680 (EPEAT) standard at the Gold level, see www.epeat.net<br>• Plastics parts weighing over 25 grams used in the product are marked per ISO11469 and ISO1043.<br>• This product is 97.6% recycle-able when properly disposed of at end of life.</td></tr>
<tr><td rowspan="5">Packaging Materials</td><td>External:</td><td>PAPER/Paper</td><td>2373 g</td></tr>
<tr><td></td><td>PAPER/Paperboard</td><td>822 g</td></tr>
<tr><td>Internal:</td><td>PLASTIC/Polyethylene high density - HDPE</td><td>51 g</td></tr>
<tr><td></td><td>PLASTIC/Others</td><td>1 g</td></tr>
<tr><td colspan="3">The plastic packaging material contains at least 0.0% recycled content.<br>The corrugated paper packaging materials contains at least 89.0% recycled content.</td></tr>
<tr><td>RoHS Compliance</td><td colspan="3">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.<br><br>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.<br><br>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.<br><br>To obtain a copy of the HP RoHS Compliance Statement, see HP RoHS position statement.</td></tr>
<tr><td>Material Usage</td><td colspan="3">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 ):<br><br>• Asbestos<br>• Certain Azo Colorants<br>• Certain Brominated Flame Retardants – may not be used as flame retardants in plastics<br>• Cadmium<br>• Chlorinated Hydrocarbons<br>• Chlorinated Paraffins<br>• Bis(2-Ethylhexyl) phthalate (DEHP)<br>• Benzyl butyl phthalate (BBP)<br>• Dibutyl phthalate (DBP)<br>• Diisobutyl phthalate (DIBP)<br>• Formaldehyde<br>• Halogenated Diphenyl Methanes<br>• Lead carbonates and sulfates<br>• Lead and Lead compounds<br>• Mercuric Oxide Batteries</td></tr>
</table>

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| | • Nickel – finishes must not be used on the external surface designed to be frequently handled or carried by the user.<br>• Ozone Depleting Substances<br>• Polybrominated Biphenyls (PBBs)<br>• Polybrominated Biphenyl Ethers (PBBEs)<br>• Polybrominated Biphenyl Oxides (PBBOs)<br>• Polychlorinated Biphenyl (PCB)<br>• Polychlorinated Terphenyls (PCT)<br>• Polyvinyl Chloride (PVC) – except for wires and cables, and certain retail packaging has been voluntarily removed from most applications.<br>• Radioactive Substances<br>• Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO) |
| **Packaging Usage** | HP follows these guidelines to decrease the environmental impact of product packaging:<br>• Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials.<br>• Eliminate the use of ozone-depleting substances (ODS) in packaging materials.<br>• Design packaging materials for ease of disassembly.<br>• Maximize the use of post-consumer recycled content materials in packaging materials.<br>• Use readily recyclable packaging materials such as paper and corrugated materials.<br>• Reduce size and weight of packages to improve transportation fuel efficiency.<br>• 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.<br><br>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:<br><br>Global Citizenship Report<br>http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html<br>Eco-label certifications<br>http://www8.hp.com/us/en/hp-information/environment/ecolabels.html<br>ISO 14001 certificates:<br>http://h20195.www2.hp.com/V2/GetDocument.aspx?docname=c04755842<br>and<br>http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/cert.pdf |
| **footnotes** | • Percentage of ocean-bound plastic contained in each component varies by product<br>• Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.<br>• External power supplies, WWAN modules, power cords, cables and peripherals excluded.<br>• 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers. |

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*Summary*

| **Change Log** | | | |
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| | V1 to V2 | | |
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