

Technical Specifications

HP E27q G5 QHD Monitor



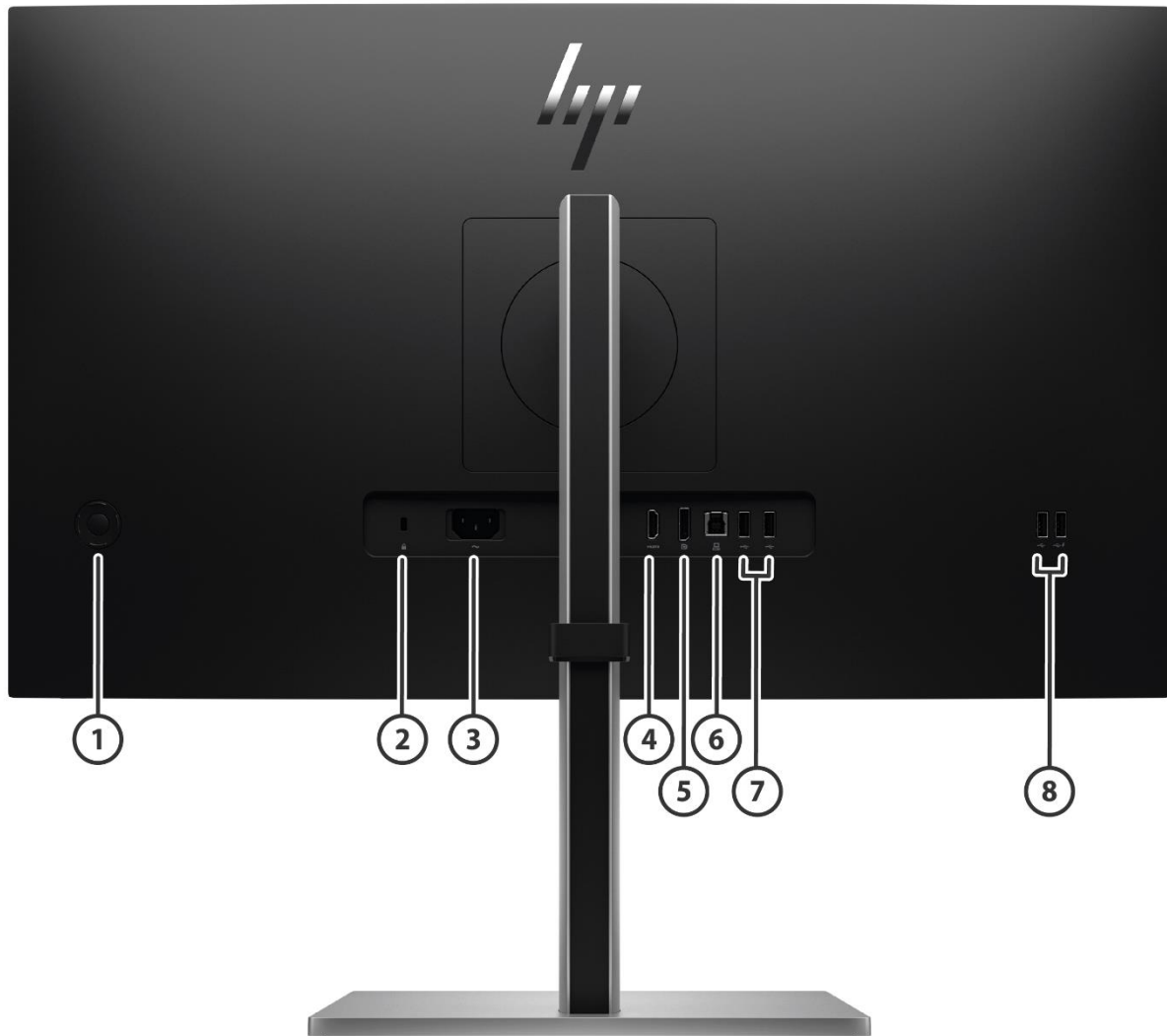
1. Power Button

Front

2. LED Power

Technical Specifications

HP E27q G5 QHD Monitor



1. Joypad OSD button
2. Security Cable Slot
3. Power Connector
4. HDMI 1.4 Port 1.2

Back

5. DisplayPort™ 1.2
6. USB-B port
7. SuperSpeed USB Type-A 5Gbps signaling rate (2)
8. SuperSpeed USB Type-A 5Gbps signaling rate (2) 1 charging

Technical Specifications


Model: 6N6F2AA

| | | |
|--|--|---|
| Panel Specifications | Display Size (Diagonal) | 27 inch (68.6 cm) |
| | Viewable Diagonal Size | 27 inch (68.6 cm) |
| | Panel Technology | IPS |
| | Max Refresh Rate | 75Hz |
| | Native Resolution | QHD (2560 x 1440) |
| | Panel Bit Depth | True 8 bit |
| | Aspect Ratio | 16:9 |
| | Brightness (Typical) | 350 nits |
| | Contrast Ratio (Static) | 1000:1 |
| | Dynamic Contrast Ratio | 8M:1 |
| | Flicker Free | Yes |
| | Pixel Pitch | 0.23 x 0.23 mm |
| | Pixels Per Inch (PPI) | 109 PPI |
| | Display Colors | Up to 16.7 million colors supported |
| | Backlight Lamp Life Minimum (To Half Brightness - In Hours) | 30k |
| | 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) | 59.67 x 33.57 cm |
| Panel Active Area Imperial (W X H) | 23.49 x 13.22 in | |
| NOTE: Performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. | | |
| Color | sRGB | 99% |
| Color Management | Color Space/ Subsampling Support | RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2 |
| | RGB Channel Adjust | Yes, Gain |
| | Default Color Temperature | Neutral (6500K) |
| | Factory Color Calibrated | Yes (Color Temperature) |
| | Factory Color Presets | Warm - 5000K, Neutral - 6500K, Cool - 9300K |
| Monitor Specifications | Bezel Type | 3-sided borderless |
| | Color Of Stand | Black & Silver |
| | Color Of Head | Black |
| | Tilt | Yes, -5~+20° |
| | Swivel | ±45° |
| | Pivot | ±90° |
| | Height Adjust Range | 150 mm |
| Vesa Mounting | 100 mm x 100 mm | |

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|---|---|
| Security Lock | Security lock-ready |
| Detachable Stand | Yes |
| Warranty | 3/3/0 for LA, NA, EMEA, APJ (3/3/3 in select APJ Countries) |
| Low Blue Light | Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified) |
| Management Software | HP Display Center, HP Display Manager* *Host PC requires Windows 10 and above. HP Display Center is available on the Microsoft store. |
| On Screen Display (OSD) | Brightness+, Color Control, Image Control, Input Control, Power Control, Menu Control, Management, Information, Exit |
| Native Resolution | QHD (2560 x 1440) NOTE: DisplayPort 1.2 & HDMI 1.4 required to drive panel at its native resolution. |
| Maximum Resolution | QHD (2560 x 1440 @ 75 Hz) |
| Preset Graphic Modes/Supported Resolutions | 640 x 480 @ 60Hz 640 x 480 @ 75Hz 720 x 400 @ 70 Hz 800 x 600 @ 60 Hz 800 x 600 @ 75 Hz 1024 x 768 @ 60 Hz 1024 x 768 @ 75 Hz 1280 x 720 @ 50 Hz 1280 x 720 @ 60 Hz 1280 x 800 @ 60 Hz 1280 x 1024 @ 60 Hz 1280 x 1024 @ 75 Hz 1440 x 900 @ 60 Hz 1600 x 900 @ 60 Hz 1680 x 1050 @ 60 Hz 1920 x 1080 @ 50 Hz 1920 x 1080 @ 60 Hz 1920 x 1080 @ 75 Hz 1920 x 1200 @ 60 Hz 1600x1200 @ 60Hz 2560x1440 @ 75Hz 2560 x 1440 @60Hz |
| Minimum Vertical Scan Rate | 50 Hz |
| Maximum Vertical Scan Rate | 75 Hz |
| Minimum Horizontal Scan Rate | 30.0 kHz |
| Maximum Horizontal Scan Rate | 115.0 kHz |
| Maximum Pixel Clock | 300.0 MHz |
| User-Assignable Function Buttons | Yes, 4 (6 options) |
| Languages | 11 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese, S-Chinese and Russian) |

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|---|--|---|
| Connector Types | DisplayPort™ | 1 DisplayPort™ 1.2 |
| | HDMI | 1 HDMI 1.4 |
| | HDCP | Yes, DisplayPort and HDMI |
| | USB-A | 4 SuperSpeed USB Type-A 5Gbps signaling rate (1 charging) |
| | USB-B | 1 USB-B |
| Special Features | SWITCH | Monitor Power button Next Active Input/ Up button Information / Down button Brightness / Left button Color / Right button Menu / Enter button |
| | User Presets | 18 |
| Power & Operating Specs | Power Supply | Internal |
| | Power Source | 100 – 240 VAC 50/60 Hz |
| | Power Consumption- Max | 60W |
| | Energy Saving/Stand By Mode Power Consumption - Typical | 0.5W 35W |
| Energy Star Data | Operational Mode at 100 VAC | 19.87W |
| | Operational Mode at 115 VAC | 19.85W |
| | Operational Mode at 230 VAC | 20.01W |
| EU Energy Efficiency Class (ErP LOT-5) | On-mode Power Consumption for Standard Dynamic Range (SDR) | 21W |
| | ErP LOT5 Energy Efficiency Class for Standard Dynamic Range (SDR) |  |
| Operating Conditions | Operating Temperature - Celsius | 5° – 35°C |
| | Operating Temperature - Fahrenheit | 41° – 95°F |
| | Non-Operating Temperature - Celsius | -40° – 65°C |
| | Non-Operating Temperature - Fahrenheit | -40° – 149°F |
| | Operating Humidity | 20 – 80% Relative Humidity (non-condensing) |
| | Non-Operating Humidity | 5 – 95% |
| Certifications and Compliances | Operating Altitude | 0 – 5,000 m (16,400 ft.) |
| | Non-operating Altitude | 0 – 12,192 m (40,000 ft.) |
| | Low Halogen | Yes* *External power supplies, WWAN modules, power cords, cables and peripherals excluded. |
| | Agency Approvals and Certifications | WW application CE/CB/KC/KCC/NOM/PSB/ICE/TUV-S/ISO 9241-307/cTUVus/GS/ISC/CCC/CEL/CECP/SEPA/TCO/TCO Certified Edge/Hardware Low Blue Light/Energy Star/ISC/VCCI/FCC/BSMI/BIS/NRCS/UAE/Ukraine/Ukraine EE/WEEE/TGM/PSE/E-Standby (Korea MEPS)/ EAC |

Technical Specifications

Microsoft WHQL Certification
ENERGY STAR® Certified
EPEAT® Registered
Regions need to verify by country

Win 11 (x64 only), Win 10 (x64 only)
 Yes

EPEAT® Gold in United States*

*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 2*

*Monitors produced from June 2024 comply with China regulation GB 21520-2023.

TCO Certified Edge
TCO Certified

Yes

Yes

SmartWay Transport Partnership - NA only

Yes (NA sku)

Contains Recycled Plastics

Contains Recycled Plastics

Contains Ocean-Bound Plastic* 85% ITE-derived closed loop plastic**

*All plastic parts contain ocean-bound plastic. Percentage of ocean-bound plastic contained in each component varies by product.

** ITE Derived Closed Loop Plastic percentage is based on the definition set in the IEEE 1680.1-2018 standard.

Recycled Metals

At least 25% recycled metal*

*Recycled metal is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal parts over 25 grams.

Recyclable Packaging (Box, packing materials)

Outside Box and corrugated cushions are 100% sustainably sourced and recyclable*

Molded Paper Pulp Cushion inside box is 100% sustainably sourced and recyclable**

*100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.

**Molded pulp cushions are made from 100% recycled wood fiber and organic materials.

Unit Product/Package Specifications

Product Dimensions
 (Unpacked with stand) (W x D x H)
Product Dimensions
 (Packed) (W x D x H)
Display Head Dimensions
 (Unpacked without stand) (W x D x H)
Base Area Footprint
 (w x d mm)
Bezel Measurements
Product Weight
 (Unpacked with stand)

Metric

Imperial

61.4 x 22.7 x 54.7 cm

24.16 x 9.93 x 21.53 inch

69.9 x 16 x 44.6 cm

27.52 x 6.3 x 17.56 inch

61.34 x 4.83 x 36.46 cm
 (w/o hinge)

24.16 x 1.9 x 14.35 inch
 (w/o hinge)

61.34 x 7.45 x 36.46 cm
 (w/ hinge)

24.16 x 2.93 x 14.35 inch
 (w/ hinge)

256 x 205 mm

10.08 x 8.07 inch

Bottom:20.57mm

Bottom: 0.8inch

7.08 kg

15.61 lb

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| | Product Weight (Packed) | 11.00 kg | 24.24 lb |
| | Product Weight (Head Only) | 4.94 kg (w/o hinge) 5.29 kg (w/ hinge) | 10.88 lb (w/o hinge) 11.66 lb (w/ hinge) |
| Pallet Information | Pallet Dimensions (L x W x H mm) | (20' ft/40' ft) Slip Sheet: 1130 x 709 x 2255 mm (20' ft/40' ft) Pallet: 1130 x 709 x 1926 mm (40' HQ) Slip Sheet: 1130 x 709 x 2255 mm (40' HQ) Pallet: 1130 x 709 x 2375 mm | (20' ft/40' ft) Slip Sheet: 44.49 x 27.91 x 88.78 inch (20' ft/40' ft) Pallet: 44.49 x 27.91 x 75.83 inch (40' HQ) Slip Sheet: 44.49 x 27.91 x 88.78 inch (40' HQ) Pallet: 44.49 x 27.91 x 93.50 inch |
| | Pallet Total Weight | Slip Sheet: 865 kg (40' ft&20' ft) Slip Sheet: 865 kg (40' HQ) Pallet: 705 kg (40' ft&20' ft) Pallet: 875 kg (40' HQ) | Slip Sheet:1903 lb (40' ft&20' ft) Slip Sheet:1903 lb (40' HQ) Pallet: 1551 lb (40' ft&20' ft) Pallet:1925 lb (40' HQ) |
| | Pallet Layers | 4 layers per pallet (20' ft/40' ft) 5 layers per pallet (40' HQ) | |
| | Pallet Product per Layer | 7 per layer | |
| | Total Products per Pallet | 28 sets per pallet (20' ft/40' ft) 35 sets per pallet (40' HQ) | |
| | Container Load, 20-Foot | 560 sets (slip sheet) 448 sets (pallet) | |
| | Container Load, 40-Foot | 1120 sets (slip sheet) 896 sets (pallet) | |
| | Container Load, 40-Foot HighQ | 1120 sets (slip sheet) 1120 sets (pallet) | |
| What's in the box? | AC power cord (1.83m) 5.9ft HDMI 1.4 cable (1.8m) 5.9 ft USB 3.0 B-A cable (1.8m) DP 1.2 cable (1.8m) Warranty 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 | |

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(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)

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: <ul style="list-style-type: none"> • IT ECO declaration • US ENERGY STAR® • US Federal Energy Management Program (FEMP) • EPEAT® Gold registered in the United States. See http://www.epeat.net for registration status in your country. • TCO Certified Edge • China Energy Conservation Program (CECP) • China State Environmental Protection Administration (SEPA) • Taiwan Green Mark • Korea Eco-label • Japan PC Green label* | | |
| Sustainable Impact Specifications | <ul style="list-style-type: none"> • 85% ITE – derived closed loop plastic • 5% recycled metal • Low halogen • Outside Box and corrugated cushions are 100% sustainably sourced and recyclable • Molded Paper Pulp Cushion inside box is 100% sustainably sourced and recyclable • Recycled Plastic cushions | | |
| 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) | 20.33 W | 20.43 W | 20.43 W |
| Normal Operation (Long idle) | 20.33 W | 20.43 W | 20.43 W |
| Sleep | 0.15 W | 0.21 W | 0.14 W |
| Off | 0.12 W | 0.2 W | 0.11 W |
| | 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) | 69.5 BTU/hr | 69.9 BTU/hr | 69.9 BTU/hr |
| Normal Operation (Long idle) | 69.5 BTU/hr | 69.9 BTU/hr | 69.9 BTU/hr |
| Sleep | 0.5 BTU/hr | 0.7 BTU/hr | 0.5 BTU/hr |
| Off | 0.4 BTU/hr | 0.7 BTU/hr | 0.4 BTU/hr |
| | *NOTE: Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour. | | |

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| 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. | | |
| Additional Information | <ul style="list-style-type: none"> • 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 98.7% recycle-able when properly disposed of at end of life. | | |
| Packaging Materials | External: | PAPER/Corrugated | 990 g |
| | | PAPER/Corrugated | 790 g |
| | | PAPER/Molded Pulp | 570 g |
| | Internal: | PLASTIC/EPE (Expanded Polyethylene) | 30 g |
| | The plastic packaging material contains at least 0.0% recycled content. | | |
| | The corrugated paper packaging materials contains at least 90% recycled content. | | |
| RoHS Compliance | <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 HP RoHS position statement.</p> | | |
| Material Usage | <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 http://www.hp.com/hpinfo/globalcitizenship/environment/supplychain/gen_specifications.html):</p> <ul style="list-style-type: none"> • 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) | | |

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| | <ul style="list-style-type: none"> • 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) • 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 | <p>HP follows these guidelines to decrease the environmental impact of product packaging:</p> <ul style="list-style-type: none"> • 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 | <p>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.</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: 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.</p> |
| HP, Inc. Corporate Environmental Information | <p>For more information about HP's commitment to the environment:</p> <p>Global Citizenship Report http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html</p> <p>Eco-label certifications http://www8.hp.com/us/en/hp-information/environment/ecolabels.html</p> <p>ISO 14001 certificates: http://h20195.www2.hp.com/V2/GetDocument.aspx?docname=c04755842 and http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/cert.pdf</p> |

Technical Specifications

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| footnotes | <ul style="list-style-type: none">• 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.• Fiber cushions made from 100% recycled wood fiber and organic materials.• Plastic cushions are made from >90% recycled plastic.• Recycled metal is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal parts over 25 grams |
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Summary

| Change Log | | | |
|-------------------|----------|---------|--------------------------|
| January 10, 2023 | V1 to V2 | Added | Environmental Data |
| April 12, 2023 | V2 to V3 | Updated | Color Management section |
| April 29, 2024 | V3 to V4 | Updated | China Energy Label |
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