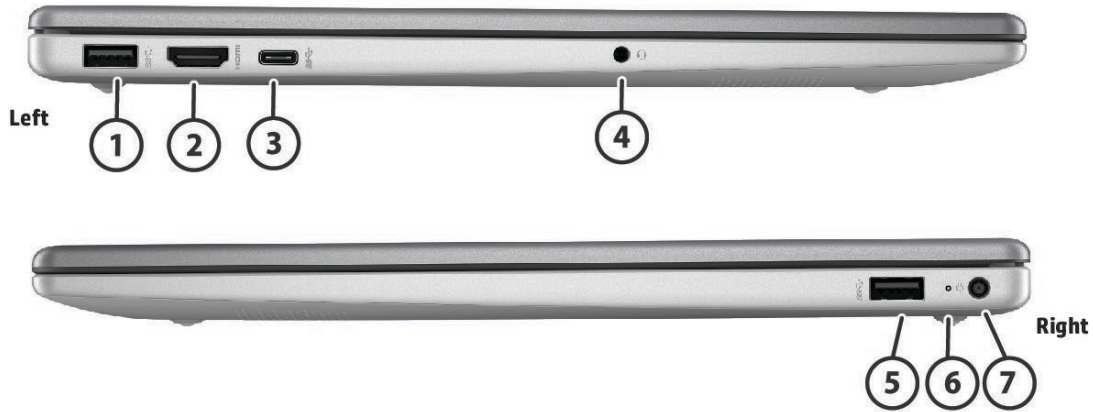


### HP 250R 15.6 inch G10 Notebook PC



#### Front

- |   |                         |   |            |
|---|-------------------------|---|------------|
| 1 | Internal Microphone (2) | 4 | Webcam LED |
| 2 | Webcam                  | 5 | Touchpad   |
| 3 | Camera Shutter          |   |            |



- 1 SuperSpeed USB Type-A 5Gbps signaling rate
- 2 1 HDMI v1.4b
- 3 1 USB Type-C® 10Gbps signaling rate
- 4 Headphone/microphone combo jack

### Sides

- 5 SuperSpeed USB Type-A 5Gbps signaling rate
- 6 Power Indicator LED
- 7 AC Power

### PRODUCT NAME

HP 250R 15.6 inch G10 Notebook PC

### OPERATING SYSTEMS

#### Preinstalled

FreeDOS

Windows 11 Home 64

Windows 11 Pro 64

### PROCESSORS

Processor <sup>2,3,4,5</sup>	Cores	Number of P-cores	Number of E-cores	Number of LP E-cores	Threads	L3 Cache	Max Turbo Frequency		Integrated Graphics
							P-cores	E-cores	
Intel® Core™ 7 -150U	10 cores	2	8	N/A	12	12 MB	5.40 GHz	4.00 GHz	Intel® Graphics
Intel® Core™ 5 -120U	10 cores	2	8	N/A	12	12 MB	5.00 GHz	3.80 GHz	Intel® Graphics
Intel® Core™ 3 -100U	6 cores	2	4	N/A	8	10 MB	4.70 GHz	3.30 GHz	Intel® Graphics

#### Processor Family

Intel® Core™ 7 processor

Intel® Core™ 5 processor

Intel® Core™ 3 processor

1. Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.
2. Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.
3. Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See [www.intel.com/technology/turboboost](http://www.intel.com/technology/turboboost) for more information.
4. In accordance with Microsoft's support policy, HP does not support the Windows 8 or Windows 7 operating system on products configured with Intel and AMD 7th generation and forward processors or provide any Windows 8 or Windows 7 drivers on <http://www.support.hp.com>.



### GRAPHICS

**Integrated**  
Intel® Graphics

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### DISPLAY

#### Non-Touch

39.6 cm (15.6") diagonal, FHD UWVA eDP, IPS, anti-glare, Narrow Bezel, 300 nits, 45% NTSC (1920 x 1080) <sup>5,6,7</sup>

39.6 cm (15.6") diagonal, FHD SVA eDP, IPS, anti-glare, Narrow Bezel, 250 nits, 45% NTSC (1920 x 1080) <sup>5,6,7</sup>

39.6 cm (15.6") diagonal, HD SVA eDP, TN, anti-glare, Narrow Bezel, 250 nits, 45% NTSC (1366 x 768) <sup>5,6,7</sup>

#### HDMI

Port supports resolutions up to 1920 x 1200 external resolution @60 Hz

#### Display Size

15.6 in

39.6 cm (15.6")

5. HD content required to view HD images.
  6. Sold separately or as an optional feature.
  7. Resolutions are dependent upon monitor capability, and resolution and color depth settings.
- 



### STORAGE AND DRIVES

#### Primary M.2 Storage

1 TB PCIe® NVMe™ Solid State Drive <sup>8</sup>

512 GB PCIe® NVMe™ Solid State Drive <sup>8</sup>

256 GB PCIe® NVMe™ Solid State Drive <sup>8</sup>

8. For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 10) is reserved for system recovery software.

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### MEMORY

#### Maximum Memory

32GB DDR4-3200 (1 x 32 GB) SDRAM <sup>9</sup>

#### Memory

16GB DDR4-3200 (1 x 16 GB) SDRAM <sup>10</sup>

16GB DDR4-3200 (2 x 8 GB) SDRAM <sup>10</sup>

8GB DDR4-3200 (1 x 8 GB) SDRAM <sup>10</sup>

4GB DDR4-3200 (1 x 4 GB) SDRAM <sup>10</sup>

8GB DDR5-5200 (1 x 8 GB) SDRAM

16GB DDR5-5200 (2 x 8 GB) SDRAM

16GB DDR5-5200 (1 x 16 GB) SDRAM

#### Memory Slots

2 SODIMM

All slots are customer non-accessible / non-upgradeable <sup>11</sup>

Support Dual Channel Memory

9. Designed to support up to 32GB memory. Sold separately. Check with the memory manufacturer for compatibility.

10. Due to the non-industry standard nature of some third-party memory modules, we recommend HP branded memory to ensure compatibility. If you mix memory speeds, the system will perform at the lower memory speed.

11. All slots are non-accessible / non-upgradeable.



### NETWORKING /COMMUNICATIONS

#### WLAN

Intel Harrison Peak2-W AX201 Wi-Fi 6 + Bluetooth® 5.2 Wireless Card 2230 non-vPro <sup>12</sup>

WLAN Realtek M.2 2230 Cass 8852BE-VT Wi-Fi 6 + Bluetooth® 5.4 Wireless Card WW

#### Miracast

Compatible with Miracast-certified devices (For Win11)<sup>13</sup>

12. Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. And available in countries where Wi-Fi 6E is supported.

13. Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.

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### AUDIO/MULTIMEDIA

#### Audio

2 Integrated stereo speakers  
Integrated dual array microphone

#### Speaker Power

2W/4ohm Per speaker

#### Camera

720p HD camera with Temporal Noise Reduction<sup>14</sup>  
1080p FHD camera with Temporal Noise Reduction<sup>14</sup>

[14. HD content required to view HD images.](#)

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### KEYBOARDS/POINTING DEVICES/BUTTONS & FUNCTION KEYS

#### Keyboard

Full Size Textured island-style Keyboard and optional Backlit and spill resistant w/ copilot keyboard

#### Pointing Device

Clickpad with multi-touch gesture support

#### Function Keys

F1 - Open " How to get help in Windows 11" webpage

F2 - Brightness Down

F3 - Brightness Up

F4 - Display Switching

F5 - Blank

F6 - Mute

F7 - Volume Down

F8 -Volume Up

F9 - Previous

F10 - Play/Pause

F11 - Next

F12 - Airplane mode

#### Hidden Function Keys

Fn+R - Break

Fn+S - Sys Rq

Fn+C - Scroll Lock

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### SOFTWARE AND SECURITY

#### Software

Microsoft Office OPK  
WPS Office CMIT  
Dropbox Promotion <sup>15</sup>  
sMedio True DVD for HP  
Adobe offer  
HP Documentation  
Retail Demo -Video Attract Loop  
HPX 0.5  
HP Privacy Settings  
HP Support Assistant <sup>16</sup>  
HP Connection Optimizer  
ENERGY STAR UWP  
HP PC Hardware Diagnostics Windows  
Touchpoint Customizer for Consumer  
Bing Search for IE11  
HP Setup Integrated OOBE (GDPR)  
Booking URL  
Agoda URL  
HP Smart  
HSA Telemetry for Consumer  
TCO E-Logo

#### Manageability Features

HP System Event Utility – UWP

#### Security Management

McAfee – MLS <sup>17,18,19</sup>

#### BIOS

TPM 2.0 Embedded Security Chip (Common Criteria EAL4+ Certified) (FIPS 140-2 Level 2 Certified)  
HP BIOS Recovery

#### Smartcard Reader

#### IPv6 Support

#### FirstNet Certified

15. 100 GB of free Dropbox storage for 12 months from date of registration. For complete details and terms of use, including cancellation policies, visit the Dropbox website at <https://www.dropbox.com/help/space/hp-promotion>. Internet service required and not included.

16. HP Support Assistant requires Windows and Internet Access.

17. Sold separately or as an optional feature.



18. Must activate within 180 days of Windows activation.

19. 30-day McAfee® LiveSafe™ trial included. Internet access required and not included. Subscription required after expiration. See <http://www.mcafee.com> for more details.

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### POWER

#### Battery

HP Smart 65 W USB Type-C® adapter

HP Smart 65 W External AC power adapter

HP Smart 65 W EM External AC power adapter

HP Smart 45 W External AC power adapter

#### Battery Recharge Time

HP Long Life 3-cell, 41 Wh Polymer<sup>20</sup>

Support fast charge <<0.7C Fast Charge (50% in 45min) with adapter under system OFF mode

#### Power Cord

1M (3.28 feet) length power cord

Halogen-free power cord

#### Battery Life

Up to 7hours and 21mins (7.35hours) with HP Long Life 3-cell, 41 Wh Polymer, UMA graphic, Intel RPL UR15W, Display set to HD 250 nits, 8GB memory,256GB SSD)

Up to 7hours and 1min (7.02hours) with HP Long Life 3-cell, 41 Wh Polymer, UMA graphic, Intel RPL UR15W, Display set to FHD 250 nits, 8GB memory,256GB SSD)

#### Battery Weight

0.39 lb

0.18kg

20 Recharges your battery up to 50% within 30 minutes when the system is off or in standby mode. Power adapter minimum of 65 watts required for battery capacities 56Whr or less. Power adapter minimum of 100 watts required for battery capacities greater than 56Whr and less than 83Whr. Power adapter minimum of 120 watts required for battery capacities greater than 83Whr and less than 100Whr. After charging has reached 50% capacity, charging will return to normal. Charging time may vary +/-10% due to System tolerance.

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### WEIGHT & DIMENSIONS

#### Product Weight

Starting at 3.5(lbs)

Starting at 1.59 kg

#### Product Dimensions (w x d x h)

14.17 x 9.29 x 0.73 in

359.8 x 236 x 11.75 mm (front) / 15.78 mm (rear)

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### PORTS/SLOTS

2 SuperSpeed USB Type-A 5Gbps signaling rate

1 USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, data transfer, HDMI 1.4 out, HP Sleep&Charger)

1 HDMI v1.4b

1 AC Power

1 Headphone/microphone combo jack

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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> <ul style="list-style-type: none"> <li>• IT ECO declaration</li> <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 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>• <a href="#">Product Carbon Footprint</a></li> <li>• At least 5% ocean bound plastic in the (Speakers)<sup>1</sup></li> <li>• At least 20% post-consumer recycled plastic<sup>2</sup></li> <li>• At least 50% recycled metal<sup>3</sup></li> <li>• Low Halogen<sup>4</sup></li> <li>• 100% of HP paper-based packaging is from recycled or certified sustainable sources<sup>5</sup></li> <li>• Bulk packaging available</li> </ul>																						
<b>System Configuration</b>  <b>Energy Consumption (in accordance with US ENERGY STAR® test method)</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> <table border="1" data-bbox="503 1129 1526 1386"> <thead> <tr> <th></th> <th>115VAC, 60Hz</th> <th>230VAC, 50Hz</th> <th>100VAC, 50Hz</th> </tr> </thead> <tbody> <tr> <td>Normal Operation (Sort idle)</td> <td>5.35 W</td> <td>5.64 W</td> <td>5.24 W</td> </tr> <tr> <td>Normal Operation (Long idle)</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Sleep</td> <td>0.75 W</td> <td>0.82 W</td> <td>0.76 W</td> </tr> <tr> <td>Off</td> <td>0.26 W</td> <td>0.30 W</td> <td>0.26 W</td> </tr> </tbody> </table> <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>				115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz	Normal Operation (Sort idle)	5.35 W	5.64 W	5.24 W	Normal Operation (Long idle)	N/A	N/A	N/A	Sleep	0.75 W	0.82 W	0.76 W	Off	0.26 W	0.30 W	0.26 W
	115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz																				
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Sleep	0.75 W	0.82 W	0.76 W																				
Off	0.26 W	0.30 W	0.26 W																				
<b>Heat Dissipation*</b>	<b>115VAC, 60Hz</b> Normal Operation (Short idle) 18 BTU/hr Normal Operation (Long idle) N/A Sleep 3 BTU/hr Off 1 BTU/hr	<b>230VAC, 50Hz</b> Normal Operation (Short idle) 19 BTU/hr Normal Operation (Long idle) N/A Sleep 3 BTU/hr Off 1 BTU/hr	<b>100VAC, 50Hz</b> Normal Operation (Short idle) 18 BTU/hr Normal Operation (Long idle) N/A Sleep 3 BTU/hr Off 1 BTU/hr																				





	<p><b>*NOTE:</b> Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.</p>		
<b>Declared Noise Emissions (in accordance with ISO 7779 and ISO 9296)</b>	<b>Sound Power (L<sub>WAd</sub>, bels)</b>	<b>Sound Pressure (L<sub>pAm</sub>, decibels)</b>	
Typically Configured – Idle	2.4	16.1	
Fixed Disk – Random writes	2.4	16.1	
Optical Drive – Sequential reads	N/A	N/A	
<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> <p>Spare parts are available throughout the warranty period and or for up to “5” years after the end of production.</p>		
<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 96.8% recycle-able when properly disposed of at end of life.</li> </ul>		
<b>Packaging Materials</b>	<b>External:</b>	PAPER/Corrugated	295 g
		PAPER/Molded Pulp	111 g
	<b>Internal:</b>	PLASTIC/Polyethylene low density – LDPE	10 g
	The plastic packaging material contains at least 100.0% recycled content.		
	The corrugated paper packaging materials contains at least 35.6% 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>
<p><b>Material Usage</b></p>	<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="https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=c05998906">https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=c05998906</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> <li>• Ozone Depleting Substances</li> <li>• Polybrominated Biphenyls (PBBs)</li> <li>• Polybrominated Biphenyl Ethers (PBBEs)</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>
<p><b>Packaging Usage</b></p>	<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>



<p><b>End-of-life Management and Recycling</b></p>	<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="https://h20195.www2.hp.com/V2/GetDocument.aspx?docname=c05403198">https://h20195.www2.hp.com/V2/GetDocument.aspx?docname=c05403198</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="#">HP Product Disassembly Instruction Website</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>
<p><b>HP, Inc. Corporate Environmental Information</b></p>	<p>For more information about HP's commitment to the environment:</p> <ul style="list-style-type: none"> <li>• Sustainable Impact Report             <ul style="list-style-type: none"> <li>○ <a href="https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=c06040843">https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=c06040843</a></li> </ul> </li> <li>• Eco-label certifications             <ul style="list-style-type: none"> <li>○ <a href="https://www.hp.com/us-en/sustainable-impact/document-reports.html#filters_documents_reports=-document_type-type_energy_star,type_epeat,type_tcoISO">https://www.hp.com/us-en/sustainable-impact/document-reports.html#filters_documents_reports=-document_type-type_energy_star,type_epeat,type_tcoISO</a></li> </ul> </li> <li>• ISO 14001 certificates             <ul style="list-style-type: none"> <li>○ <a href="https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=c04777932">https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=c04777932</a></li> </ul> </li> </ul>
<p><b>footnotes</b></p>	<ol style="list-style-type: none"> <li>1. Percentage of ocean-bound plastic contained in each component varies by product. Ocean Bound plastic is expressed as a percentage of the total weight plastic. Ocean Bound plastic is based on the definition set by the UL2809 standard.</li> <li>2. Recycled plastic is expressed as a percentage of the total weight plastic. Post-consumer recycled is based on the definition set in the EPEAT standard for computers, IEEE 1680.1-2018 standard.</li> <li>3. 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.</li> <li>4. External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.</li> <li>5. HP paper and fiber-based packaging for PCs, displays, home and office print, and supplies is reported by suppliers as recycled or certified, with a minimum of 97% by volume verified by HP. Packaging is the box that comes with the product and all paper-based materials inside the box. Packaging for personal systems accessories and spare parts is not included. Plastic cushions are made from &gt;90% recycled plastic.</li> </ol>



### SERVICE AND SUPPORT

1-year warranty and 90 day software limited warranty options depending on country. Batteries have a default one year limited warranty except for HP Long Life batteries which will follow the one or three year warranty of the platform. Refer to <http://www.hp.com/support/batterywarranty/> for additional battery information. On-site service and extended coverage is also available. HP Care Pack Services are optional extended service contracts that go beyond the standard limited warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at: <http://www.hp.com/go/cpc>.<sup>21</sup>

21. HP Care Packs are sold separately. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit <http://www.hp.com/go/cpc>. HP services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.

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### SYSTEM UNIT

#### Stand-Alone Power Requirements (AC Power)

Nominal Operating Voltage	19V
Max Operating Power	UMA<45W

#### Temperature

Operating	32° to 95° F (0° to 35° C) (not writing optical)
Non-operating	41° to 95° F (5° to 35° C) (writing optical)

#### Relative Humidity

Operating	10% to 90%, non-condensing
Non-operating	5% to 95%, 101.6° F (38.7° C) maximum wet bulb temperature

#### Shock

Operating	40 G, 2 ms, half-sine
Non-operating	200 G, 2 ms, half-sine

#### Random Vibration

Operating	0.75 grms
Non-operating	1.5 grms

#### Altitude (unpressurized)

Operating	-50 to 10,000 ft (-15.24 to 3,048 m)
Non-operating	-50 to 40,000 ft (-15.24 to 12,192 m)

#### Planned Industry Standard Certifications

Regulatory Model Number	TPN-Q286
CSA/UL 62368-1	Yes
ENERGY STAR®	Yes <sup>22</sup>
EPEAT® Climate + Gold Registered	Yes <sup>23</sup>
FCC/ICES/CISPR/VCCI	Yes
CE MARKING	Yes
GS Mark	No
China CCC/SRRC	Yes
Taiwan BSMI/NCC	Yes
Korea KCC/KC/KES	Yes
Ukraine NSoC/TEC	Yes
EAEU Compliance	Yes
Saudi Arabian Compliance	No
TCO	Yes
WW RoHS	Yes
Low Blue Light	No

22. Configurations of the HP 250R 15.6 inch G10 Notebook PC that are ENERGY STAR® qualified are identified as HP 250R 15.6 inch G10 Notebook PC ENERGY STAR on HP websites and on <http://www.energystar.gov>.

23. Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit <http://www.epeat.net> for more information.



### DISPLAYS

1. Actual brightness will be lower with touchscreen.

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

<b>88198 - 15.6 in FHD (1920 x 1080) Anti-Glare UWVA LED NTSC 45 NWBZ 300 eDP 1.2 w/o PSR flat LCD Panel</b>	<b>Outline Dimensions (W x H x D)</b>	350.960 x 215.240 x 3.200 mm (max)
	<b>Active Area</b>	344.160 x 193.590 mm
	<b>Weight</b>	365 g (max)
	<b>Diagonal Size</b>	15.6 (inch)
	<b>Surface Treatment</b>	Anti-Glare
	<b>Touch Enabled</b>	No
	<b>Contrast Ratio</b>	1000:1 (typical)
	<b>Refresh Rate</b>	60Hz
	<b>Brightness</b>	300 nits <sup>1</sup>
	<b>Pixel Resolution - Format</b>	1920 x 1080 (FHD)
	<b>Backlight</b>	WLED
	<b>Pixel Resolution</b>	RGB
	<b>Color Gamut Coverage</b>	NTSC 45%
	<b>Color Depth</b>	6 (Hi FRC w/ condition to enable)
	<b>Viewing Angle</b>	UWVA 89/89/89/89
<b>Low Blue Light</b>	No	
<b>Power Consumption (W, EBL@ 150nits max/ 200nits max)</b>	2.54W/3.15W (max)	

<b>69489 - Panel LCD 15.6-in FHD (1920x1080) Anti-Glare WLED SVA 45percent cg 250nits eDP 1.2 w/o PSR NWBZ ultraslim</b>	<b>Outline Dimensions (W x H x D)</b>	350.960 x 216.750 x 3.200 mm (max)
	<b>Active Area</b>	344.160 x 193.590 mm
	<b>Weight</b>	360 g (max)
	<b>Diagonal Size</b>	15.6 (inch)
	<b>Surface Treatment</b>	Anti-Glare
	<b>Touch Enabled</b>	No
	<b>Contrast Ratio</b>	300:1 (typical)
	<b>Refresh Rate</b>	60Hz
	<b>Brightness</b>	250 nits <sup>1</sup>
	<b>Pixel Resolution - Format</b>	1920 x 1080 (FHD)
	<b>Backlight</b>	WLED
	<b>Pixel Resolution</b>	RGB
	<b>Color Gamut Coverage</b>	NTSC 45%
	<b>Color Depth</b>	6 (Hi FRC w/ condition to enable)
	<b>Viewing Angle</b>	SVA 45/45/15/30
<b>Low Blue Light</b>	No	
<b>Power Consumption (W, EBL@ 150nits max/ 200nits max)</b>	2.62W/3.27 (max)	



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<b>69487 - Panel LCD 15.6-in HD (1366x768) Anti-Glare WLED SVA 45percent cg 250nits eDP 1.2 w/o PSR NWBZ ultraslim</b>	<b>Outline Dimensions (W x H x D)</b>	351.030 x 216.750 x 3.200 mm (max)
	<b>Active Area</b>	344.230 x 193.540 mm
	<b>Weight</b>	370 g (max)
	<b>Diagonal Size</b>	15.6 (inch)
	<b>Surface Treatment</b>	Anti-Glare
	<b>Touch Enabled</b>	No
	<b>Contrast Ratio</b>	300:1 (typical)
	<b>Refresh Rate</b>	60Hz
	<b>Brightness</b>	250 nits <sup>1</sup>
	<b>Pixel Resolution - Format</b>	1366 x 768 (HD)
	<b>Backlight</b>	WLED
	<b>Pixel Resolution</b>	RGB
	<b>Color Gamut Coverage</b>	NTSC 45%
	<b>Color Depth</b>	6 (Hi FRC w/ condition to enable)
	<b>Viewing Angle</b>	SVA 45/45/15/30
	<b>Low Blue Light</b>	No
	<b>Power Consumption (W, EBL@ 150nits max/ 200nits max)</b>	2.18W/2.59 (max)

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### STORAGE

<b>SSD 1TB 2280 PCIe NVMe Value</b>	<b>Form Factor</b>	M.2 2280
	<b>Capacity</b>	1TB
	<b>Height</b>	0.09 in (2.3 mm)
	<b>Width</b>	0.87 in (22 mm)
	<b>Weight</b>	0.02 lb (10 g)
	<b>Interface</b>	PCIe NVMe Gen4X4
	<b>Logical Blocks</b>	2,000,409,264
	<b>Operating Temperature</b>	32° to 158°F (0° to 70°C) [ambient temp]
	<b>Features</b>	Pyrite 2.0
	<b>Maximum Sequential Read</b>	up to 2300MB/s ±20%
	<b>Maximum Sequential Write</b>	up to 2000MB/s ±20%

<b>SSD 256GB 2280 PCIe NVMe Value</b>	<b>Form Factor</b>	M.2 2280
	<b>Capacity</b>	256GB
	<b>Height</b>	0.09 in (2.3 mm)
	<b>Width</b>	0.87 in (22 mm)
	<b>Interface</b>	PCIe NVMe Gen4X4
	<b>Logical Blocks</b>	500,118,192
	<b>Operating Temperature</b>	32° to 158°F (0° to 70°C) [ambient temp]
	<b>Features</b>	Pyrite 2.0
	<b>Maximum Sequential Read</b>	up to 2300MB/s ±20%
	<b>Maximum Sequential Write</b>	up to 1280MB/s ±20%

<b>SSD 512GB 2280 PCIe NVMe Value</b>	<b>Form Factor</b>	M.2 2280
	<b>Capacity</b>	512GB
	<b>Height</b>	0.09 in (2.3 mm)
	<b>Width</b>	0.87 in (22 mm)
	<b>Interface</b>	PCIe NVMe Gen4X4
	<b>Logical Blocks</b>	1,000,215,216
	<b>Operating Temperature</b>	32° to 158°F (0° to 70°C) [ambient temp]
	<b>Features</b>	Pyrite 2.0
	<b>Maximum Sequential Read</b>	up to 2300MB/s ±20%
	<b>Maximum Sequential Write</b>	up to 1400MB/s ±20%





### NETWORKING / COMMUNICATION

**Realtek RTL8852BE-VT  
802.11ax 2x2 Wi-Fi +  
Bluetooth® 5.4 Wireless Card  
(802.11ax 2x2, supporting  
gigabit data rate)<sup>1</sup>**

#### Wireless LAN Standards

IEEE 802.11a  
IEEE 802.11b  
IEEE 802.11g  
IEEE 802.11n  
IEEE 802.11ac  
IEEE 802.11ax  
IEEE 802.11d  
IEEE 802.11e  
IEEE 802.11h  
IEEE 802.11i  
IEEE 802.11k  
IEEE 802.11r  
IEEE 802.11v

#### Interoperability Frequency Band

Wi-Fi certified modules

- 802.11b/g/n/ax  
2.402 – 2.482 GHz
- 802.11a/n/ac/ax  
4.9 – 4.95 GHz (Japan)  
5.15 – 5.25 GHz  
5.25 – 5.35 GHz  
5.47 – 5.725 GHz  
5.825 – 5.850 GHz

#### Data Rates

- 802.11b: 1, 2, 5.5, 11 Mbps
- 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
- 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
- 802.11n: max 300Mbps
- 802.11ac: max 866.7Mbps
- 802.11ax: max 1201Mbps

#### Modulation

Direct Sequence Spread Spectrum, OFDM,  
BPSK, QPSK, CCK, 16-QAM, 64-QAM, 256-QAM, 1024QAM

#### Security<sup>2</sup>

- IEEE and WiFi certified 64 / 128 bit WEP encryption for a/b/g mode only
- AES-CCMP: 128 bit in hardware
- 802.1x authentication
- WPA, WPA2: 802.1x. WPA-PSK, WPA2-PSK, TKIP, and AES.
- WPA2 certification
- WPA3 certification
- IEEE 802.11i
- WAPI



<b>Network Architecture Models</b>	Ad-hoc (Peer to Peer) Infrastructure (Access Point Required)
<b>Roaming</b> <b>Output Power<sup>3</sup></b>	IEEE 802.11 compliant roaming between access points <ul style="list-style-type: none"> <li>• 802.11b : +18.5dBm minimum</li> <li>• 802.11g : +17.5dBm minimum</li> <li>• 802.11a : +18.5dBm minimum</li> <li>• 802.11n HT20(2.4GHz) : +15.5dBm minimum</li> <li>• 802.11n HT40(2.4GHz) : +14.5dBm minimum</li> <li>• 802.11n HT20(5GHz) : +15.5dBm minimum</li> <li>• 802.11n HT40(5GHz) : +14.5dBm minimum</li> <li>• 802.11ac VHT80(5GHz) : +11.5dBm minimum</li> <li>• 802.11ax HE40(2.4GHz) : +10dBm minimum</li> <li>• 802.11ax HE80(5GHz) : +10dBm minimum</li> </ul>
<b>Power Consumption</b>	<ul style="list-style-type: none"> <li>• Transmit mode :2.5 W</li> <li>• Receive mode :2 W</li> <li>• Idle mode (PSP) :180 mW (WLAN Associated)</li> <li>• Idle mode :50 mW (WLAN unassociated)</li> <li>• Connected Standby/Modern Standby: 10mW</li> <li>• Radio disabled: 8 mW</li> </ul>
<b>Power Management</b>	ACPI and PCI Express compliant power management 802.11 compliant power saving mode
<b>Receiver Sensitivity<sup>4</sup></b>	<ul style="list-style-type: none"> <li>• 802.11b, 1Mbps : -93.5dBm maximum</li> <li>• 802.11b, 11Mbps : -84dBm maximum</li> <li>• 802.11a/g, 6Mbps : -86dBm maximum</li> <li>• 802.11a/g, 54Mbps : -72dBm maximum</li> <li>• 802.11n, MCS07 : -67dBm maximum</li> <li>• 802.11n, MCS15 : -64dBm maximum</li> <li>• 802.11ac, MCS0 : -84dBm maximum</li> <li>• 802.11ac, MCS9 : -59dBm maximum</li> <li>• 802.11ax, MCS11(HE40): -57dBm maximum</li> <li>• 802.11ax, MCS11(HE80): -54dBm maximum</li> </ul>
<b>Antenna type</b>	High efficiency antenna with spatial diversity. Two embedded dual band 2.4/5 GHz antennas are provided to the card to support WLAN MIMO communications and Bluetooth® communications
<b>Form Factor</b> <b>Dimensions</b>	PCI-Express M.2 MiniCard 1. Type 2230: 2.3 x 22.0 x 30.0 mm



<b>Weight</b>	1. Type 2230: 2.8g
<b>Operating Voltage</b>	3.3v +/- 9%
<b>Temperature</b>	Operating: 14° to 158° F (–10° to 70° C) Non-operating: –40° to 176° F (–40° to 80° C)
<b>Humidity</b>	Operating: 10% to 90% (non-condensing) Non-operating: 5% to 95% (non-condensing)
<b>Altitude</b>	Operating: 0 to 10,000 ft (3,048 m) Non-operating: 0 to 50,000 ft (15,240 m)
<b>LED Activity</b>	LED Amber – Radio OFF; LED OFF – Radio ON

### HP Integrated Module with Bluetooth® 4.0/4.1/4.2/5.0/5.1/5.2/5.3/5.4 Wireless Card Technology

<b>Bluetooth® Specification</b>	4.0/4.1/4.2/5.0/5.1/5.2/5.3/5.4 Compliant
<b>Frequency Band</b>	2402 to 2480 MHz
<b>Number of Available Channels</b>	Legacy: 0~79 (1 MHz/CH) BLE: 0~39 (2 MHz/CH)
<b>Data Rates and Throughput</b>	Legacy: 3 Mbps data rate; throughput up to 2.17 Mbps BLE: 1 Mbps data rate; throughput up to 0.2 Mbps Legacy: Synchronous Connection Oriented links up to 3, 64 kbps, voice channels Legacy: Asynchronous Connection Less links 2178.1 kbps/177.1 kbps asymmetric (3-DH5) or 864 kbps symmetric (3-EV5)
<b>Transmit Power</b>	The Bluetooth® component shall operate as a Class II Bluetooth® device with a maximum transmit power of + 4 dBm for BR and EDR.

1. Wi-Fi 6 is designed to support gigabit data rate when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 80MHz and higher channels. Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 (802.11ax) is backwards compatible with prior 802.11 specs.
2. Check latest software/driver release for updates on supported security features.
3. The FCC has declared as of September 1, 2014 products that utilize passive scanning on channel 12/13 and are capable of transmitting must fully comply with requirements of 15.247 or otherwise disable those channels.
4. Receiver sensitivity is measured at a packet error rate of 8% for 802.11b (CKK modulation) and a packet error rate of 10% for 802.11a/g (OFDM modulation).



**Intel Wi-Fi 6 AX201 +  
Bluetooth® 5.2 Wireless Card  
(802.11ax 2x2, non-vPro,  
supporting gigabit file  
transfer speeds)  
non-vPro**

**Wireless LAN Standards**

IEEE 802.11a  
IEEE 802.11b  
IEEE 802.11g  
IEEE 802.11n  
IEEE 802.11ac  
IEEE 802.11ax  
IEEE 802.11d  
IEEE 802.11e  
IEEE 802.11h  
IEEE 802.11i  
IEEE 802.11k  
IEEE 802.11r  
IEEE 802.11v

**Interoperability  
Frequency Band**

Wi-Fi certified

- 802.11b/g/n/ax  
2.402 – 2.482 GHz
- 802.11a/n/ac/ax  
4.9 – 4.95 GHz (Japan)  
5.15 – 5.25 GHz  
5.25 – 5.35 GHz  
5.47 – 5.725 GHz  
5.825 – 5.850 GHz

**Data Rates**

- 802.11b: 1, 2, 5.5, 11 Mbps
- 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
- 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
- 802.11n: max 300Mbps
- 802.11ac : 1733Mbps
- 802.11ax : max 2.4Gbps

**Modulation**

Direct Sequence Spread Spectrum  
OFDM, BPSK, QPSK, CCK, 16-QAM, 64-QAM, 256-QAM, 1024QAM

**Security<sup>2</sup>**

- IEEE and WiFi compliant 64 / 128 bit WEP encryption for a/b/g mode only
- AES-CCMP: 128 bit in hardware
- 802.1x authentication
- WPA, WPA2: 802.1x. WPA-PSK, WPA2-PSK, TKIP, and AES.
- WPA2 certification
- WPA3 certification
- IEEE 802.11i
- WAPI



<b>Network Architecture Models</b>	Ad-hoc (Peer to Peer) Infrastructure (Access Point Required)
<b>Roaming</b> <b>Output Power<sup>3</sup></b>	IEEE 802.11 compliant roaming between access points <ul style="list-style-type: none"> <li>• 802.11b : +17dBm minimum</li> <li>• 802.11g : +16dBm minimum</li> <li>• 802.11a : +17dBm minimum</li> <li>• 802.11n HT20(2.4GHz) : +14dBm minimum</li> <li>• 802.11n HT40(2.4GHz) : +13dBm minimum</li> <li>• 802.11n HT20(5GHz) : +14dBm minimum</li> <li>• 802.11n HT40(5GHz) : +13dBm minimum</li> <li>• 802.11ac VHT80(5GHz) : +10dBm minimum</li> <li>• 802.11ac VHT160(5GHz) : +10dBm minimum</li> <li>• 802.11ax HE40(2.4GHz) : +12dBm minimum</li> <li>• 802.11ax HE80(5GHz) : +10dBm minimum</li> <li>• 802.11ax HE160(5GHz) : +10dBm minimum</li> </ul>
<b>Power Consumption</b>	<ul style="list-style-type: none"> <li>• Transmit mode: 2.0 W</li> <li>• Receive mode: 1.6 W</li> <li>• Idle mode (PSP) :180 mW (WLAN Associated)</li> <li>• Idle mode 50 mW (WLAN unassociated)</li> <li>• Connected Standby: 10mW</li> <li>• Radio disabled: 8 mW</li> </ul>
<b>Power Management</b> <b>Receiver Sensitivity<sup>4</sup></b>	ACPI and PCI Express compliant power management 802.11 compliant power saving mode <ul style="list-style-type: none"> <li>• 802.11b, 1Mbps : -93.5dBm maximum</li> <li>• 802.11b, 11Mbps : -84dBm maximum</li> <li>• 802.11a/g, 6Mbps : -86dBm maximum</li> <li>• 802.11a/g, 54Mbps : -72dBm maximum</li> <li>• 802.11n, MCS07 : -67dBm maximum</li> <li>• 802.11n, MCS15 : -64dBm maximum</li> <li>• 802.11ac, MCS0(VHT80) : -84dBm maximum</li> <li>• 802.11ac, MCS9(VHT80) : -59dBm maximum</li> <li>• 802.11ac, MCS9(VHT160) : -58.5dBm maximum</li> <li>• 802.11ax, MCS11(HE40): -57dBm maximum</li> <li>• 802.11ax, MCS11(HE80): -54dBm maximum</li> <li>• 802.11ax, MCS11(HE160): -53.5dBm maximum</li> </ul>
<b>Antenna type</b>	High efficiency antenna with spatial diversity, mounted in the display enclosure Two embedded dual band 2.4/5 GHz antennas are provided to the card to support WLAN MIMO communications and Bluetooth® communications



<b>Form Factor</b>	PCI-Express M.2 MiniCard with CNVi Interface
<b>Dimensions</b>	1. Type 2230: 2.3 x 22.0 x 30.0 mm 2. Type 1216: 1.67 x 12.0 x 16.0 mm
<b>Weight</b>	1. Type 2230: 2.8g 2. Type 1216: 1.3g
<b>Operating Voltage</b>	3.3v +/- 9%
<b>Temperature</b>	Operating: 14° to 158° F (-10° to 70° C) Non-operating: -40° to 176° F (-40° to 80° C)
<b>Humidity</b>	Operating: 10% to 90% (non-condensing) Non-operating: 5% to 95% (non-condensing)
<b>Altitude</b>	Operating: 0 to 10,000 ft (3,048 m) Non-operating: 0 to 50,000 ft (15,240 m)
<b>LED Activity</b>	LED Amber – Radio OFF; LED Off – Radio ON
<b>HP Integrated Module with Bluetooth® 4.0/4.1/4.2/5.0/5.1/5.2 Wireless Card Technology</b>	
<b>Bluetooth® Specification</b>	4.0/4.1/4.2/5.0/5.1/5.2 Compliant
<b>Frequency Band</b>	2402 to 2480 MHz
<b>Number of Available Channels</b>	Legacy: 0~79 (1 MHz/CH) BLE: 0~39 (2 MHz/CH)
<b>Data Rates and Throughput</b>	Legacy: 3 Mbps data rate; throughput up to 2.17 Mbps BLE: 1 Mbps data rate; throughput up to 0.2 Mbps Legacy: Synchronous Connection Oriented links up to 3, 64 kbps, voice channels Legacy: Asynchronous Connection Less links 2178.1 kbps/177.1 kbps asymmetric (3-DH5) or 864 kbps symmetric (3-EV5)
<b>Transmit Power</b>	The Bluetooth® component shall operate as a Class II Bluetooth® device with a maximum transmit power of + 9.5 dBm for BR and EDR.

1 Wi-Fi 6 is designed to support gigabit data rate when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 80MHz and higher channels. Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 (802.11ax) is backwards compatible with prior 802.11 specs.

2. Check latest software/driver release for updates on supported security features.

3 The FCC has declared as of September 1, 2014 products that utilize passive scanning on channel 12/13 and are capable of transmitting must fully comply with requirements of 15.247 or otherwise disable those channels.

4 Receiver sensitivity is measured at a packet error rate of 8% for 802.11b (CKK modulation) and a packet error rate of 10% for 802.11a/g (OFDM modulation).



<b>POWER</b>	
<b>AC Adapter 65 Watt nPFC Standard USB type C Straight 1.8m</b>	
<b>Dimensions</b>	3.543 x 2.008 x 1.122 in (9.0x5.1x2.85cm)
<b>Weight</b>	220g (+/-10g) (Not including power cord. Power cord varies by country.)
<b>Input Voltage</b>	100-240Vac
<b>Input Efficiency</b>	81.50% min at 115 Vac/ 230 Vac @5.00V 86.70% min at 115 Vac/ 230 Vac @9.00V 88.00% min at 115 Vac/ 230 Vac @12.00V 89.00% min at 115 Vac/ 230 Vac @15.00V 89.00% min at 115 Vac/ 230 Vac @20.00V
<b>Input Frequency Range</b>	47-63Hz
<b>Input AC current</b>	Max. 1.6 A at 90 Vac
<b>Output Power</b>	5V/15W 9V/27W 12V/60W 15V/65W 20V/65W
<b>DC Output</b>	5V/9V/12V/15V/20V
<b>Hold-up Time</b>	100% load 5ms at 115 Vac input
<b>Output Over Current Protection</b>	< 8.0A
<b>AC Connector</b>	C6
<b>DC Connector</b>	USB type C
<b>DC Cable Material</b>	PVC
<b>Operating Temperature</b>	32°F to 95°F (0°to 35°C)
<b>Non-operating (storage) Temperature</b>	-4°F to 185°F (-20°to 85°C)
<b>Altitude</b>	0 to 16,400 ft (0 to 5000m)
<b>Humidity</b>	20% to 95%
<b>Storage Humidity</b>	10% to 95%
<b>EMI and Safety Certifications</b>	CE Mark - full compliance with LVD and EMC directives Worldwide safety standards - IEC60950-1 and IEC62368-1 : 2018, EN62368-1:2014+A11, UL 62368-1 Agency approvals - C-UL-US, TUV/GS, TUV/PSE, EN55032 Class B, FCC Class B, CISPR32 Class B, CCC and CECP, CU(EAC), EAEU, KCC(Safety+EMC) and K-MEPS, NOM-001 and 029 NYCE, NRcan, NRCS, ISC, SEC, PSB, Argentina S-mark, Australia RCM, BIS, BSMI, UAE, UKCA DoC



<b>HP 45W 4.5 mm nPFC Right Angle Smart (3-pin) AC Power Adapter</b>	<b>Dimensions</b>	3.74 x 1.772 x 1.043 in (9.5x4.5x2.65cm)
	<b>Weight</b>	170g(+/-10g) (Not including power cord. Power cord varies by country.)
	<b>Input Voltage</b>	100-240Vac
	<b>Input Efficiency</b>	87.74 % at 115 Vac and 88.4 % at 230Vac
	<b>Input Frequency Range</b>	47-63 Hz
	<b>Input AC current</b>	Max. 1.4 A at 90 Vac
	<b>Output Power</b>	45W
	<b>DC Output</b>	19.5V
	<b>Hold-up Time</b>	100% load 5ms at 115 Vac input/80% load 10ms at 115 Vac input
	<b>Output Over Current Protection</b>	< 8.0A
	<b>AC Connector</b>	C6
	<b>DC Connector</b>	4.5mm Barrel Type
	<b>DC Cable Material</b>	PVC
	<b>Operating Temperature</b>	32°F to 95°F (0°to 35°C)
	<b>Non-operating (storage) Temperature</b>	-4°F to 185°F (-20°to 85°C)
	<b>Altitude</b>	0 to 16,400 ft (0 to 5000m)
	<b>Humidity</b>	20% to 95%
	<b>Storage Humidity</b>	10% to 95%
	<b>EMI and Safety Certifications</b>	CE Mark - full compliance with LVD and EMC directives Worldwide safety standards - IEC60950-1 and IEC62368-1 : 2018, EN62368-1:2014+A11, UL62368-1 Agency approvals - C-UL-US, TUV/GS, TUV/PSE, EN55032 Class B, FCC Class B, CISPR32 Class B, CCC and CECP, CU(EAC), EAEU, KCC(Safety+EMC) and K-MEPS, NOM-001 and 029 NYCE, NRcan, NRCS, ISC, SEC, PSB, Argentina S-mark, Australia GEMS and RCM, BIS, BSMI, UAE, UKCA DoC
<b>HP 65W 4.5 mm nPFC Right Angle Smart (3-pin) AC Power Adapter</b>	<b>Dimensions</b>	4.016 x 2.165 x 1.181 in (10.2x5.5x3cm)
	<b>Weight</b>	250g(+/-10g) (Not including power cord. Power cord varies by country.)
	<b>Input Voltage</b>	100-240Vac
	<b>Input Efficiency</b>	88 % at 115 Vac and 89 % at 230Vac
	<b>Input Frequency Range</b>	47-63 Hz
	<b>Input AC current</b>	Max. 1.7 A at 90 Vac
	<b>Output Power</b>	65W
	<b>DC Output</b>	19.5V
	<b>Hold-up Time</b>	100% load 5ms at 115 Vac input/80% load 10ms at 115 Vac input





<b>Output Over Current Protection</b>	< 11.0A	
<b>AC Connector</b>	C6	
<b>DC Connector</b>	4.5mm Barrel Type	
<b>DC Cable Material</b>	PVC	
<b>Operating Temperature</b>	32°F to 95°F (0° to 35°C)	
<b>Non-operating (storage) Temperature</b>	-4°F to 185°F (-20° to 85°C)	
<b>Altitude</b>	0 to 16,400 ft (0 to 5000m)	
<b>Humidity</b>	20% to 95%	
<b>Storage Humidity</b>	10% to 95%	
<b>EMI and Safety Certifications</b>	CE Mark - full compliance with LVD and EMC directives Worldwide safety standards - IEC60950-1 and IEC62368-1 : 2018, EN62368-1:2014+A11, UL62368-1 Agency approvals - C-UL-US, TUV/GS, EN55032 Class B, FCC Class B, CISPR32 Class B, CCC and CECP, BIS, UKCA DoC	
<b>HP 65W 4.5 mm nPFC Right Angle Smart (3-pin) AC Power Adapter</b>	<b>Dimensions</b>	3.543 x 2.008 x 1.122 in (9.0x5.1x2.85cm)
	<b>Weight</b>	225g(+/-10g) (Not including power cord. Power cord varies by country.)
	<b>Input Voltage</b>	100-240Vac
	<b>Input Efficiency</b>	88 % at 115 Vac and 89 % at 230Vac
	<b>Input Frequency Range</b>	47-63 Hz
	<b>Input AC current</b>	Max. 1.7 A at 90 Vac
	<b>Output Power</b>	65W
	<b>DC Output</b>	19.5V
	<b>Hold-up Time</b>	100% load 5ms at 115 Vac input/80% load 10ms at 115 Vac input
	<b>Output Over Current Protection</b>	< 11.0A
	<b>AC Connector</b>	C6
	<b>DC Connector</b>	4.5mm Barrel Type
	<b>DC Cable Material</b>	PVC
	<b>Operating Temperature</b>	32°F to 95°F (0° to 35°C)
	<b>Non-operating (storage) Temperature</b>	-4°F to 185°F (-20° to 85°C)
	<b>Altitude</b>	0 to 16,400 ft (0 to 5000m)
	<b>Humidity</b>	20% to 95%
	<b>Storage Humidity</b>	10% to 95%
	<b>EMI and Safety Certifications</b>	CE Mark - full compliance with LVD and EMC directives Worldwide safety standards - IEC60950-1 and IEC62368-1 : 2018, EN62368-1:2014+A11, UL62368-1 Agency approvals - C-UL-US, TUV/GS, TUV/PSE, EN55032 Class B,



**HP 65W Standard USB-C  
Halogen Free Straight AC  
Power Adapter**

		FCC Class B, CISPR32 Class B, CCC and CECP, CU(EAC), EAEU, KCC(Safety+EMC) and K-MEPS, NOM-001 and 029 NYCE, NRcan, NRCS, ISC, SEC, PSB, Argentina S-mark, Australia GEMS and RCM, BIS, BSMI, UAE, UKCA DoC
<b>Dimensions</b>		3.543 x 2.008 x 1.122 in (9.0x5.1x2.85cm)
<b>Weight</b>		220g(+/-10g) (Not including power cord. Power cord varies by country.)
<b>Input Voltage</b>		100-240Vac
<b>Input Efficiency</b>		81.50% min at 115 Vac/ 230 Vac @5.00V 86.70% min at 115 Vac/ 230 Vac @9.00V 88.00% min at 115 Vac/ 230 Vac @12.00V 89.00% min at 115 Vac/ 230 Vac @15.00V 89.00% min at 115 Vac/ 230 Vac @20.00V
<b>Input Frequency Range</b>		47-63Hz
<b>Input AC current</b>		Max. 1.6 A at 90 Vac
<b>Output Power</b>		5V/15W 9V/27W 12V/60W 15V/65W 20V/65W
<b>DC Output</b>		5V/9V/12V/15V/20V
<b>Hold-up Time</b>		100% load 5ms at 115 Vac input
<b>Output Over Current Protection</b>		< 8.0A
<b>AC Connector</b>		C6
<b>DC Connector</b>		USB type C
<b>DC Cable Material</b>		Halogen Free
<b>Operating Temperature</b>		32°F to 95°F (0° to 35°C)
<b>Non-operating (storage) Temperature</b>		-4°F to 185°F (-20° to 85°C)
<b>Altitude</b>		0 to 16,400 ft (0 to 5000m)
<b>Humidity</b>		20% to 95%
<b>Storage Humidity</b>		10% to 95%
<b>EMI and Safety Certifications</b>		CE Mark - full compliance with LVD and EMC directives Worldwide safety standards - IEC60950-1 and IEC62368-1 : 2018, EN62368-1:2014+A11, UL 62368-1 Agency approvals - C-UL-US, TUV/GS, TUV/PSE, EN55032 Class B, FCC Class B, CISPR32 Class B, CCC and CECP, CU(EAC), EAEU, KCC(Safety+EMC) and K-MEPS, NOM-001 and 029 NYCE, NRcan, NRCS, ISC, SEC, PSB, Argentina S-mark, Australia RCM, BIS, BSMI, UAE, UKCA DoC



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<b>HP 3-cell Long Life Li-Ion (41 WHr)</b>	<b>Weight</b>	0.175 kg (0.377 lb)
	<b>Cells/Type</b>	3cell Lithium-Ion Polymer cell / 515974
	<b>Voltage</b>	11.25V
	<b>Amp-hour capacity</b>	3.648Ah
	<b>Watt-hour capacity</b>	41.04Wh
	<b>Operating (Charging)</b>	32° to 113° F (0° to 45° C)
	<b>Operating (Discharging)</b>	14° to 122° F (-10° to 60° C)
	<b>Optional Travel Battery Available</b>	No

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### AUDIO

**HD Stereo Codec**

Realtek ALC3247

**Audio I/O Ports**

Audio Jack at Left. Headset connector supports a CTIA and OMTP style headset and is re-taskable as a Line-in, Line-out, Microphone-in or Headphone-out port

**Internal Speaker Amplifier**

2W from ALC3247

**Multi-streaming Capable**

multi-streaming enable

**Sampling**

streams to be sent to/from the front and rear jacks or integrated speaker.

**Wavetable Syntheses**

DAC: 24bit, 48KHz

ADC: 16bit; 48kHz

**Analog Audio**

DAC: 24bit, 48KHz

ADC: 16bit; 48kHz

**# of Channels on Line-Out**

2

**Internal Speaker**

Yes

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### FINGERPRINT READER

<b>Sensor vendor</b>	ELAN 80SW
<b>Sensor type</b>	Capacitive
<b>DPI resolution</b>	508 DPI
<b>Scan area</b>	80x80 pixels
<b>False Rejection Rate</b>	RR= $\leq$ 3% @ 1:100K
<b>False Acceptance Rate</b>	PR= $\leq$ 1/100K @1:100K
<b>Mobile Voltage Operation</b>	2.7~3.6V
<b>Operating Temperature</b>	-20 to +80 (°C)
<b>Current Consumption Image</b>	35mA
<b>Low Latency Wait For Finger</b>	0.9mA
<b>Capture Rate</b>	33Hz
<b>ESD Resistance</b>	IEC 61000-4-2 4B (+15KV)
<b>Detection Matrix</b>	80x80 pixels with 508 DPI resolution (50 um pitch)

<b>Sensor vendor</b>	Synaptics FS7605
<b>Sensor type</b>	Capacitive
<b>DPI resolution</b>	363 DPI
<b>Scan area</b>	104 x 86 pixels
<b>False Rejection Rate</b>	$\leq$ 3%
<b>False Acceptance Rate</b>	1/50K
<b>Mobile Voltage Operation</b>	3.0V to 3.6V
<b>Operating Temperature</b>	0°-60°C
<b>Current Consumption Image</b>	150mA peak
<b>Low Latency Wait For Finger</b>	80 uA (USB PHY excluded)
<b>Capture Rate</b>	capture image time ( 1 frame ) : 30 ms
<b>ESD Resistance</b>	IEC 61000-4-2 Level 4B ( $\pm$ 15 KV)
<b>Detection Matrix</b>	8 x 36 pixels



### OPTIONS

Category	Description	Part Number
Audio	HP USB G2 Stereo Headset (Jackson) - New AMO	428H5AA, 428K6PT, 428K6UT, 428K6AA
	Poly DA75 USB to QD Black Adapter TAA - New AMO	786C6AA
	Poly DA85 USB to QD Black Adapter TAA - New AMO	786C7AA
	Poly DA85-M USB to QD Black Adapter TAA - New AMO	786C8AA
	Poly MDA220 USB-A - New AMO	8A7E0AA
	Poly MDA524 QD USB-A - New AMO	8L544AA
	Poly MDA524 USB-C - New AMO	85Q24AA
	Poly Voyager Free 60 Carbon Black Earbuds +Basic Charge Case - New AMO	7Y8M2AA
	Poly Voyager Free 60 UC Black Earbuds +BT700 USB-C Adapter +Basic Charge Case - New AMO	7Y8M0AA
	Poly Voyager Free 60 UC Carbon Black Earbuds +BT700 USB-A Adapter +Basic Charge Case - New AMO	7Y8H3AA
	Poly Voyager Free 60 UC Carbon Black Earbuds +BT700 USB-C Adapter +Basic Charge Case - New AMO	7Y8H4AA
	Poly Voyager Free 60 UC M Carbon Black Earbuds +BT700 USB-A Adapter +Basic Charge Case - New AMO	7Y8L7AA
	Poly Voyager Free 60 UC M Carbon Black Earbuds +BT700 USB-C Adapter +Basic Charge Case - New AMO	7Y8L8AA
	Poly Voyager Free 60 UC M White Sand Earbuds +BT700 USB-A Adapter +Basic Charge Case - New AMO	7Y8L5AA
	Poly Voyager Free 60 UC M White Sand Earbuds +BT700 USB-C Adapter +Basic Charge Case - New AMO	7Y8L6AA
	Poly Voyager Free 60 UC White Sand Earbuds +BT700 USB-A Adapter +Basic Charge Case - New AMO	7Y8L3AA
	Poly Voyager Free 60 UC White Sand Earbuds +BT700 USB-C Adapter +Basic Charge Case - New AMO	7Y8L4AA
	Poly Voyager Free 60+ UC Carbon Black Earbuds +BT700 USB-A Adapter +Touchscreen Charge Case - New AMO	7Y8G3AA
	Poly Voyager Free 60+ UC Carbon Black Earbuds +BT700 USB-C Adapter +Touchscreen Charge Case - New AMO	7Y8G4AA,7Y8H2AA
	Poly Voyager Free 60+ UC M Carbon Black Earbuds +BT700 USB-A Adapter +Touchscreen Charge Case - New AMO	7Y8G9AA
	Poly Voyager Free 60+ UC M Carbon Black Earbuds +BT700 USB-C Adapter +Touchscreen Charge Case - New AMO	7Y8H0AA
	Poly Voyager Free 60+ UC M White Sand Earbuds +BT700 USB-A Adapter +Touchscreen Charge Case - New AMO	7Y8G7AA
	Poly Voyager Free 60+ UC M White Sand Earbuds +BT700 USB-C Adapter +Touchscreen Charge Case - New AMO	7Y8G8AA
	Poly Voyager Free 60+ UC White Sand Earbuds +BT700 USB-A Adapter +Touchscreen Charge Case - New AMO	7Y8G5AA



Poly Voyager Free 60+ UC White Sand Earbuds +BT700 USB-C Adapter +Touchscreen Charge Case - New AMO	7Y8G6AA
Poly Voyager Free 60/60+ Black Earbuds (2 Pieces) - New AMO	8L649AA,8L5A6AA
Poly Voyager Free 60/60+ Microsoft Teams Certified Black Earbuds (2 Pieces) - New AMO	8L5A8AA
Poly Voyager Free 60/60+ Microsoft Teams Certified White Earbuds (2 Pieces) - New AMO	8L5B0AA
Poly Voyager Free 60/60+ White Earbuds (2 Pieces) - New AMO	8L5B1AA,8L650AA
Poly Blackwire 3210 Monaural Headset +USB-C/A Adapter CUST1 - New AMO	9P7X7AA
Poly Blackwire 3210 Monaural USB-C Headset +USB-C/A Adapter Batch 2 - New AMO	8X214AA
Poly Blackwire 3215 Monaural USB-C Headset +3.5mm Plug +USB-C/A Adapter Batch 2 - New AMO	8X227AA
Poly Blackwire 3220 Stereo Headset +USB-C/A Adapter CUST1 - New AMO	9P7X8AA
Poly Blackwire 3220 Stereo USB-C Headset +USB-C/A Adapter Batch 2 - New AMO	93S87AA,8X228AA
Poly Blackwire 3225 Stereo USB-C Headset +3.5mm Plug +USB-C/A Adapter Batch 2 - New AMO	8X229AA
Poly Blackwire 3225 USB-C Headset CUST1 Batch 2 - New AMO	8G0X1AA
Poly Blackwire 3310 Microsoft Teams Certified USB-C Headset CUST1 Batch 2 - New AMO	8G0Y7AA
Poly Blackwire 3310 Monaural Microsoft Teams Certified USB-C Headset +USB-C/A Adapter Batch 2 - New AMO	8X216AA
Poly Blackwire 3310 Monaural USB-C Headset +USB-C/A Adapter Batch 2 - New AMO	8X215AA
Poly Blackwire 3310 USB-C Headset CUST1 Batch 2 - New AMO	8G0X2AA
Poly Blackwire 3315 Monaural Microsoft Teams Certified USB-C Headset +3.5mm Plug+USB-C/A Adapter Batch 2 - New AMO	8X218AA
Poly Blackwire 3315 Monaural USB-C Headset +3.5mm Plug +USB-C/A Adapter Batch 2 - New AMO	8X217AA
Poly Blackwire 3320 Microsoft Teams Certified USB-C Headset CUST1 Batch 2 - New AMO	8G0Y9AA
Poly Blackwire 3320 Stereo Microsoft Teams Certified USB-C Headset +USB-C/A Adapter Batch 2 - New AMO	8X220AA
Poly Blackwire 3320 Stereo USB-C Headset +USB-C/A Adapter Batch 2 - New AMO	8X219AA
Poly Blackwire 3320 USB-C Headset CUST1 Batch 2 - New AMO	8G0Y8AA
Poly Blackwire 3325 Microsoft Teams Certified USB-C Headset CUST1 Batch 2 - New AMO	8G0Z1AA
Poly Blackwire 3325 Stereo Microsoft Teams Certified USB-C Headset +3.5mm Plug +USB-C/A Adapter - New AMO	8X222AA



Poly Blackwire 3325 Stereo USB-C Headset +3.5mm Plug +USB-C/A Adapter Batch 2 - New AMO	8X221AA
Poly Blackwire 3325 USB-C Headset CUST1 Batch 2 - New AMO	8G0Z0AA
Poly Blackwire 5210 Monaural USB-C Headset +3.5mm Plug +USB-C/A Adapter Batch 2 - New AMO	8X230AA
Poly Blackwire 5210 USB-C Headset CUST1 - New AMO	9P7X5AA
Poly Blackwire 5220 Stereo USB-C Headset +3.5mm Plug +USB-C/A Adapter Batch 2 - New AMO	8X231AA,93S88AA
Poly Blackwire 5220 USB-C Headset CUST1 - New AMO	9P7X6AA
Poly Blackwire 8225 Microsoft Teams Certified USB-C Headset CUST1 Batch 2 - New AMO	8G0Z5AA
Poly Blackwire 8225 Stereo Microsoft Teams Certified USB-C Headset +USB-C/A Adapter Batch 2 - New AMO	8X225AA
Poly Blackwire 8225 Stereo USB-C Headset +USB-C/A Adapter Batch 2 - New AMO	8X223AA
Poly Blackwire 8225 USB-C Headset CUST1 Batch 2 - New AMO	8G0Z4AA
Poly EncorePro 310 Monaural USB-A Headset TAA Batch 1 - New AMO	767G1AA
Poly EncorePro 310 Monoaural with Quick Disconnect Headset TAA Batch 1 - New AMO	77T43AA
Poly EncorePro 310 USB-C Monoaural Headset TAA Batch 1 - New AMO	760Q8AA
Poly EncorePro 320 Stereo USB-A Headset TAA Batch 1 - New AMO	767G0AA
Poly EncorePro 320 Stereo USB-C Headset TAA Batch 1 - New AMO	767F9AA
Poly EncorePro 320 with Quick Disconnect Binaural Headset TAA Batch 1 - New AMO	77T26AA
Poly EncorePro 510 Monaural Headset +Quick Disconnect Batch 1 - New AMO	783Q2AA
Poly EncorePro 515 Microsoft Teams Certified Monoaural with USB-A Headset Batch 1 - New AMO	783R1AA
Poly EncorePro 515 Monoaural with USB-A Headset Batch 1 - New AMO	783R0AA
Poly EncorePro 520 Binaural Headset +Quick Disconnect - New AMO	783P7AA
Poly EncorePro 525 Microsoft Teams Certified Stereo with USB-A Headset Batch 1 - New AMO	783R2AA
Poly EncorePro 525 USB-A Stereo Headset Batch 1 - New AMO	783R3AA
Poly EncorePro 530 Headset +Quick Disconnect Batch 1 - New AMO	783P3AA
Poly EncorePro 540 Convertible Headset +Quick Disconnect Batch 1 - New AMO	783P1AA
Poly EncorePro 715 USB-A Monoaural Headset TAA Batch 1 - New AMO	783N5AA
Poly EncorePro 720 Binaural Headset +Quick Disconnect - New AMO	8R707AA
Poly EncorePro 725 USB-A Stereo Headset TAA Batch 1 - New AMO	783M6AA
Poly EncorePro HW710 Single Ear Headset +Carry Case +Quick Disconnect - New AMO	8R708AA





Poly Voyager 4310 Microsoft Teams Certified Headset +BT700 dongle +Charging Stand - New AMO	77Y93AA
Poly Voyager 4310 Microsoft Teams Certified USB-A Headset +BT700 dongle Batch 1 - New AMO	77Y91AA
Poly Voyager 4310 Microsoft Teams Certified USB-C Headset +BT700 dongle Batch 1 - New AMO	77Y95AA
Poly Voyager 4310 Microsoft Teams Certified USB-C Headset +BT700 dongle CUST1 Batch 2 - New AMO	8G102AA
Poly Voyager 4310 UC Headset +USB-A to USB-C Cable +BT700 dongle CUST1 Batch 2 - New AMO	7Y212AA
Poly Voyager 4310 UC Monaural Headset +BT700 USB-A Adapter +Charging Stand - New AMO	77Y92AA
Poly Voyager 4310 USB-A Headset +BT700 dongle Batch 1 - New AMO	76U48AA
Poly Voyager 4310 USB-C Headset +BT700 dongle +Charging Stand Batch 1 - New AMO	77Y96AA
Poly Voyager 4310 USB-C Headset +BT700 dongle +Charging Stand CUST1 Batch 2 - New AMO	8G103AA
Poly Voyager 4310 USB-C Headset +BT700 dongle Batch 1 - New AMO	77Y94AA
Poly Voyager 4310 USB-C Headset +BT700 dongle CUST1 Batch 2 - New AMO	8G101AA
Poly Voyager 4310-M Microsoft Teams Certified USB-C Headset +BT700 dongle +Charging Stand Batch 1 - New AMO	77Y97AA
Poly Voyager 4310-M Microsoft Teams Certified USB-C Headset +BT700 dongle +Charging StandCUST1Batch2 - New AMO	8G104AA
Poly Voyager 4310-M UC Headset +USB-A to USB-C Cable +BT700 dongle Batch 2 - New AMO	7Y210AA
Poly Voyager 4320 Microsoft Teams Certified Headset +BT700 dongle +Charging Stand - New AMO	77Z00AA
Poly Voyager 4320 Microsoft Teams Certified USB-A Headset +BT700 dongle Batch 1 - New AMO	77Y98AA
Poly Voyager 4320 Microsoft Teams Certified USB-C Headset +BT700 dongle Batch 1 - New AMO	77Z30AA
Poly Voyager 4320 Microsoft Teams Certified USB-C Headset +BT700 dongle CUST1 Batch 2 - New AMO	8G107AA
Poly Voyager 4320 UC Stereo USB-A Headset +BT700 USB-A Adapter +Charging Stand - New AMO	77Y99AA
Poly Voyager 4320 USB-A Headset +BT700 dongle Batch 1 - New AMO	76U49AA
Poly Voyager 4320 USB-C Headset +BT700 dongle +Charging Stand Batch 1 - New AMO	77Z31AA
Poly Voyager 4320 USB-C Headset +BT700 dongle +Charging Stand CUST1 Batch 2 - New AMO	8G109AA
Poly Voyager 4320 USB-C Headset +BT700 dongle Batch 1 - New AMO	76U50AA



Poly Voyager 4320 USB-C Headset +BT700 dongle CUST1 Batch 2 - New AMO	8G106AA
Poly Voyager 4320-M +USB-A to USB-C Cable +BT700 dongle Batch 2 - New AMO	7Y211AA
Poly Voyager 4320-M Microsoft Teams Certified Headset +BT700 dongle +Charging Stand Batch 1 - New AMO	77Z32AA
Poly Voyager 4320-M Microsoft Teams Certified Headset +BT700 dongle +Charging Stand CUST1 Batch 2 - New AMO	8G110AA
Poly Voyager 4320-M UC Headset +USB-A to USB-C Cable +BT700 dongle +Charging Stand CUST1 Batch 2 - New AMO	7Y214AA
Poly Voyager Focus 2 Microsoft Teams Certified USB-C-C Headset +USB-C/A Adapter +Charging Stand (Tactical 6316) - New AMO	9T9J6AA
Poly Voyager Focus 2 USB-C-C Headset +USB-C/A Adapter (Tactical 6316) - New AMO	9T9J3AA
Poly Voyager Focus 2 USB-C-C Headset +USB-C/A Adapter +Charging Stand (Tactical 6316) - New AMO	9T9J5AA
Poly Voyager Surround 80 UC Microsoft Teams Certified USB-C Black Headset +USB-C/A Adapter - New AMO	9D452AA
Poly Voyager Surround 80 UC Microsoft Teams Certified USB-C Headset +USB-C/A Adapter Batch 2 - New AMO	8H2G3AA,8G7U0AA
Poly Voyager Surround 80 UC Microsoft Teams Certified USB-C Headset +USB-C/A Adapter CUST1 Batch 2 - New AMO	8G7U1AA
Poly Voyager Surround 80 UC Microsoft Teams Certified USB-C Headset +USB-C/A Adapter Demo - New AMO	9C6W5AA
Poly Voyager Surround 80 UC USB-C Headset +USB-C/A Adapter Batch 2 - New AMO	8G7T9AA
Poly Voyager Surround 85 UC Microsoft Teams Certified USB-C Headset +USB-C/A Adapter +Charging Stand Batch 2 - New AMO	8G7T8AA
Poly Voyager Surround 85 UC USB-C Headset +USB-C/A Adapter +Charging Stand Batch 2 - New AMO	8G7T7AA
Poly Sync 10 Microsoft Teams Certified USB-A Speakerphone - New AMO	77P34AA
Poly Sync 10 Speakerphone +USB-A to USB-C Cable Batch 2 - New AMO	7S4M6AA
Poly Sync 10 USB-A USB-C Speakerphone - New AMO	772C3AA
Poly Sync 20 Microsoft Teams Certified USB-A Speakerphone - New AMO	772C8AA
Poly Sync 20 Speakerphone Customer Special 1 - New AMO	7S4C1AA
Poly Sync 20 USB-A Speakerphone - New AMO	772D2AA
Poly Sync 20 USB-C Speakerphone Batch 1 - New AMO	7FOJ7AA
Poly Sync 20 USB-C Speakerphone Customer Special 1 - New AMO	8GOX5AA
Poly Sync 20+ Microsoft Teams Certified USB-A Speakerphone Batch 1 - New AMO	772C9AA



Poly Sync 20+ Microsoft Teams Certified USB-C Speakerphone Batch 1 - New AMO	772D1AA
Poly Sync 20+ Microsoft Teams Certified USB-C Speakerphone Customer Special 1 - New AMO	8GOX8AA
Poly Sync 20+ Speakerphone +BT700 dongle +Pouch Customer Special 1 - New AMO	7S4B9AA
Poly Sync 20+ USB-A Speakerphone Batch 1 - New AMO	772C6AA
Poly Sync 20+ USB-C Speakerphone Batch 1 - New AMO	772D0AA
Poly Sync 20+ USB-C Speakerphone Customer Special 1 - New AMO	8GOX7AA
Poly Sync 20+M Speakerphone +USB-A to USB-C Cable +BT700 dongle +Pouch Batch 2 - New AMO	7Y215AA
Poly Sync 20-M Microsoft Teams Certified USB-C Speakerphone Batch 1 - New AMO	7F0J8AA
Poly Sync 20-M Microsoft Teams Certified USB-C Speakerphone Customer Special 1 - New AMO	8GOX6AA
Poly Sync 20-M Speakerphone +USB-A to USB-C Cable Batch 2 - New AMO	7S4M1AA
Poly Sync 40 Microsoft Teams Certified Speakerphone Customer Special 1 - New AMO	8GOY0AA
Poly Sync 40 Microsoft Teams Certified USB-A Speakerphone - New AMO	77P35AA
Poly Sync 40 USB-A USB-C BT Speakerphone - New AMO	772C4AA
Poly Sync 40 USB-A USB-C Speakerphone Customer Special 1 - New AMO	8GOX9AA
Poly Sync 40+ Microsoft Teams Certified Speakerphone Customer Special 1 - New AMO	8GOX4AA
Poly Sync 40+ Microsoft Teams Certified USB-A USB-C Speakerphone +BT700 USB-A Adapter - New AMO	77P36AA
Poly Sync 40+ Speakerphone Customer Special 1 - New AMO	8GOX3AA
Poly Sync 40+ USB-A USB-C Speakerphone +BT700 USB-A Adapter - New AMO	772C5AA
Poly Sync 60 Microsoft Teams Certified Speakerphone Batch 1 - New AMO	77P41AA
Poly Sync 60 Speakerphone - New AMO	772C2AA
<b>Video</b>	
HP 325 FHD USB-A Webcam	53X27AA
<b>Cases</b>	
HP Prelude Pro Recycled 15.6 Backpack (Montrose) - New AMO	1X644AA,1X644ET,1X644UT
HP Prelude Pro Recycled 15.6 Top Load (Midtown) - New AMO	1X645AA,1X645ET,1X645UT
HP Prelude G2 15.6 Top Load (Gulfton) - New AMO	1E7D7AA,2Z8P4AA,50P31AA
HP Prelude G2 15.6 Backpack (Edo) - New AMO	1E7D6AA,1E7D6UT,2Z8P3AA,50P32AA
HP Renew Business 17.3 Laptop Backpack (Negotium 17" BP) - New AMO	3E2U5AA,3E2U5ET,3E2U5UT
HP Renew Business 17.3 Laptop Bag (Negotium 17" TL) - New AMO	3E2U6AA,3E2U6UT



HP Renew Business 15.6 Laptop Bag (Negotium 15" TL) - New AMO	3E5F8AA,3E5F8ET,3E5F8UT
HP Renew Executive 16 Laptop Backpack (Exsequi - Bezo) - New AMO	6B8Y1AA,6B8Y1UT
HP Renew Executive 16 Laptop Bag (Exsequi-Musk) - New AMO	6B8Y2AA
HP Travel 25L 15.6 Iron Gray Laptop Backpack (Patty) - New AMO	6B8U4AA,6H2D8AA
HP Travel 18L 15.6 Iron Gray Laptop Backpack (Lucile) - New AMO	6B8U6AA,6H2D9AA
HP 215 15.6 Laptop Backpack (Tyranno) - New AMO	35L98AA#ACJ
HP 315 15.6 Laptop Backpack (Brachio) - New AMO	35L97AA#ACJ
HP 235 15.6 Laptop Backpack (Dilophoph) - New AMO	35M00AA#ACJ
HP 225 15.6 Laptop Backpack (Spino) - New AMO	2P7U6AA#ACJ
HP 115 15.6 Laptop Backpack (Stego) - New AMO	8DV45AA#ACJ
HP Convertible Laptop Stand (Ricky) - New AMO	9C2H2AA
HP 15.6 Modular Laptop Backpack (Gamora) - New AMO	9J496AA,9J4C1AA
HP 15.6 Modular Laptop Bag (Nebula) - New AMO	9J497AA,9J4C2AA
HP 15.6 Modular Laptop Sleeve (Rocket) - New AMO	9J498AA,9J4C3AA
HP Travel Plus 30 Liter 17 Laptop Backpack	A2CE0AA
HP Travel Plus 22 Liter 16 Laptop Bag	A2CE1AA
HP Travel Plus 15 Liter 14 Laptop Bag	A2CE2AA
HP Everyday 16 Odyssey Gray Laptop Briefcase	A08KHUT
HP Everyday 16 Odyssey Gray Laptop Bag	A08KAA
HP Everyday 16 Odyssey Gray Laptop Backpack	A08KLUT

### Hub

HP USB-C to USB-A Hub Jake (Jake) - New AMO	Z6A00AA,Z6A00ET,Z6A00UT,Z8W90AA#A BB,Z8W90AA#ABL,Z8W90AA#UUF 6G843AA#ABA,6G843UT#ABA,6G842AA# ABB,6G842AA#UUF,6G843AA#ABB,6G843 AA#UUF,6G843ET#ABB
HP 4K USB-C Multiport Hub (Jara) - New AMO	9H0H9AA#ACQ,9H0H9AA#ABA,9H0H9AA# ABZ,9H0H9AA#ABB,9H0H9AA#ABG,9H0H 9AA#UUF,9H0H9AA#AB1,9H0H9AA#ABU, 9H0H9AA#ACJ,9H0H9AA#UUZ,9H0H9AA# ABT,9H0H9AA#AB0,9H0H9AA#ABY 50H55UT,50H55PT#ACJ,50H55AA,50H98 AA#ABL,50H98AA#ABB,50H98AA#UUF 86S97AA,86T46AA#ABA,86T46AA#UUF,8 6S97UT,86T46AA#ABB
HP Universal USB-C Hub and Laptop Charger Combo (Torvalds Combo) - New AMO	
HP Universal USB-C Multiport Hub (Torvalds) - New AMO	
HP USB-C Travel Hub G3 (Fox 3) - New AMO	

### Adapter

HP HDMI to VGA Adapter Wall-e (Wall-E) - New AMO	H4F02UT#ABA,H4F02AA#ABA,H4F02AA# AC3,H4F02AA#UUF,H4F02ET#AC3
HP USB 3.0 to Gigabit RJ45 Adapter G2 (Speedy2) - New AMO	4Z7Z7AA,4Z7Z7UT
HP USB-C to DisplayPort Adapter G2 Luna2 (Luna2) - New AMO	8Y8Y1AA 2PC54AA#UUF,1WC36AA,2PC54AA#ABL,2 PC54AA#ABB
HP USB-C to HDMI 2.0 Adapter GABBA (Gabba) - New AMO	4Z527UT,4Z527AA,4Z534AA#ABB
HP USB-C to RJ45 Adapter G2 (Hotdog2) - New AMO	N2Z63UT,N2Z63AA#AC3,N2Z63AA#ABA
HP USB-C to USB 3.0 Adapter (Daphne) - New AMO	



	HP USB-C to VGA Adapter Scrappy (Scrappy) - New AMO	P7Z54AA#ABL,N9K76UT#ABA,P7Z54AA#UUF,N9K76AA#ABA,N9K76AA#AC3,P7Z54AA#ABB
<b>Keyboard/Combo</b>	HP 125 WD USB Keyboard (Captain Crunch) - New AMO HP 225 Wireless Keyboard (Havelock) - New AMO HP 320K WD USB Keyboard (Halley) - New AMO	266C9AA,266C9UT,266C9ET 805T1AA,805T1UT 9SR37AA,9SR37UT,9SR37ET 3Z726AA#A2M,3Z726AA#A2Q,3Z726AA#ABO,3Z726AA#AB1,3Z726AA#AB2,3Z726AA#AB4,3Z726AA#AB6,3Z726AA#AB7,3Z726AA#AB8,3Z726AA#AB9,3Z726AA#ABA,3Z726AA#ABB,3Z726AA#ABC,3Z726AA#ABD,3Z726AA#ABE,3Z726AA#ABF,3Z726AA#ABH,3Z726AA#ABJ,3Z726AA#ABM,3Z726AA#ABN,3Z726AA#ABS,3Z726AA#ABT,3Z726AA#ABU,3Z726AA#ABV,3Z726AA#ABX,3Z726AA#ABY,3Z726AA#ABZ,3Z726AA#AC0,3Z726AA#AC3,3Z726AA#AC4,3Z726AA#ACB,3Z726AA#ACH,3Z726AA#ACJ,3Z726AA#AK4,3Z726AA#AKB,3Z726AA#AKC,3Z726AA#AKD,3Z726AA#AKE,3Z726AA#AKL,3Z726AA#AKQ,3Z726AA#AKR,3Z726AA#AKS,3Z726AA#AR4,3Z726AA#ARK,3Z726AA#B15,3Z726AA#BCM,3Z726AA#BED,3Z726AA#BH5,3Z726AA#UUF,3Z726AA#UUW,3Z726AA#UUZ,3Z726ET#ABB,3Z726ET#ABF,3Z726ET#ABU,3Z726ET#ABZ,3Z726UT#ABA 692S9AA#A2M,692S9AA#A2Q,692S9AA#AB6,692S9AA#AB7,692S9AA#AB8,692S9AA#AB9,692S9AA#ABB,692S9AA#ABD,692S9AA#ABE,692S9AA#ABF,692S9AA#ABH,692S9AA#ABL,692S9AA#ABM,692S9AA#ABN,692S9AA#ABS,692S9AA#ABT,692S9AA#ABU,692S9AA#ABV,692S9AA#ABX,692S9AA#ABY,692S9AA#ABZ,692S9AA#AC0,692S9AA#AC3,692S9AA#ACB,692S9AA#AKB,692S9AA#AKC,692S9AA#AKD,692S9AA#AKE,692S9AA#AKQ,692S9AA#AKR,692S9AA#AKS,692S9AA#AR4,692S9AA#ARK,692S9AA#B15,692S9AA#BCM,692S9AA#BED,692S9AA#BH5,692S9AA#UUF,692S9AA#UUW,692S9AA#UUZ,692S9UT#ABA 4R177AA,4R177ET,4R177UT
	HP 975 WL Dual-Mode USB+ Bluetooth® Keyboard (Ivy) - New AMO	
	HP 355 Compact Multi-Device Bluetooth® Keyboard (Pocky) - New AMO HP 455 Wireless Programmable USB Keyboard (Twinkies) - New AMO	



	HP 225 Antimicrobial Wired Mouse and Keyboard Combo (Captain Crunch) - New AMO	286K3AA
	HP 225 Wired Mouse and Keyboard Combo (Captain Crunch) - New AMO	286J4AA,286J4ET,286J4UT
	HP 235 Wireless Mouse and Keyboard Combo Brac (Brac) - New AMO	1Y4D0UT,1Y4D0AA
	HP Wired Desktop 320MK Mouse and Keyboard (Halley) - New AMO	9SR36UT,9SR36AA,9SR36ET
<b>Mouse</b>	HP 105 Sanitizable Mouse Pad (Kakashi) - New AMO	8X595AA
	HP 105 USB-A Wired Mouse Black (Galapagos) - New AMO	822M9AA,822M9UT
	HP 125 USB-A Wired Mouse (Captain Crunch) - New AMO	265A9ET,265A9AT,265A9UT,265A9AA
	HP 128 USB Laser Wired Mouse (Captain Crunch) - New AMO	265D9AA,265D9ET,265D9UT
	HP 155 USB-A Wired Mouse (OreoBPS) - New AMO	5B8B7AA
	HP 205 Sanitizable Desk Mat (Sasuke) - New AMO	8X597AA
		4E407AA#AB2,4E407AA#ABL,4E407AA#ABM,4E407AA#AC3,4E407AA#ACJ,4E407AA#UUF,4E407UT#AB2,4E407UT#ABA,4E407UT#ABL,4E407UT#ABM,4E407UT#AC3,4E407UT#ACJ,4E407UT#UUF
	HP 235 Wireless 2.4GHz Slim Wireless Mouse (KentingPlus) - New AMO	81S67AA,81S67UT
	HP 245 Bluetooth® 5.0 Bluetooth® Mouse Black (MilkaB) - New AMO	
	HP 255 Dual Bluetooth® 5.0 + Wireless 2.4GHz Wireless Mouse (Sochi) - New AMO	8R3U1AA,8R3U1UT
	HP 285 Silent Wireless 2.4GHz Wireless Mouse (Patchi) - New AMO	6G4E6AA
		9VA80AA#ABA,9VA80AA#AC3,9VA80AA#AK4,9VA80AA#UUF,9VA80ET#AC3,9VA80UT#ABA
	HP 320M USB-A Wired Mouse (Halley) - New AMO	7M1D5AA
	HP 425 Programmable Bluetooth® Wireless Mouse (Rata) - New AMO	3B4Q5AA#ABA,3B4Q5AA#AC3,3B4Q5AA#UUF,3B4Q5UT#ABA,3B4Q5UT#AC3,3B4Q5UT#UUF
	HP 435 Bluetooth® 5.0 + Wireless 2.4GHz Multi-Device Wireless Mouse (Cadbury) - New AMO	9C2F7AA
	HP 515 Ultra-Fast Rechargeable Wireless Mouse (Buble2) - New AMO	8T6MOAA,8T6MOUT
	HP 685 Comfort Dual-Mode Mouse (Simmons) - New AMO	8F1Y4AA
	HP 695 Qi-Charging Bluetooth® Wireless Mouse (Remi) - New AMO	
<b>Power</b>	HP 45W USB-C LC Dali AC Power Adapter (Dali) - New AMO	1MZ01AA,1MZ01ET
	HP 65W USB-C LC AC Power Adapter (Ceto) - New AMO	1P3K6AA,1P3K6UT,944V0AA
	HP 65W 4.5 mm Smart AC Power Adapter (Hera) - New AMO	H6Y89AA, H6Y89UT
		L65505-002, L65505-302, L65505-003, L65505-303, L65505-028, L65505-001, L65505-011
	64734 - AC Adapter 65 Watt nPFC Standard USB type C Straight 1.8m	L25296-011, L25296-012, L25296-013, L25296-014
	86179 - HP 45W 4.5 mm nPFC Right Angle Smart (3-pin) AC Power Adapter Cupid II	
	86180 - HP 65W 4.5 mm nPFC Right Angle Smart (3-pin) AC Power Adapter EM II	L25299-011, L25299-012



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**Commodity**

HP USB DVD-Writer EXT ODD (Artoo2) - New AMO

F2B56AA, F2B56ET, F2B56UT

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### CHANGELOG

<b>Date of change</b>	<b>Version History</b>		<b>Description of change</b>
February 20, 2025	V1 to V2	Added	Environmental Section
February 24, 2025	V2 to V3	Added	Storage Section
May 7, 2025	V3 to V4	Updated	Memory Section
June 10, 2025	V4 to V5	Added	Overview Section
October 6, 2025	V5 to V6	Added	Memory Section
October 17, 2025	V6 to V7	Updated	Processor Section

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