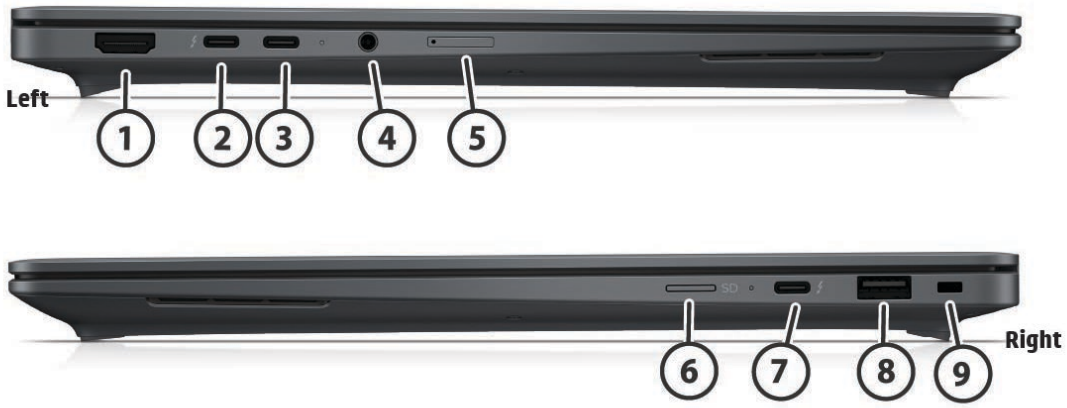
# HP ZBook Ultra G3a 16 inch Mobile Workstation PC




## Front

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




## Sides

| | | | |
|---|---|---|---|
| 1 | HDMI 2.1 | 6 | SD Card Reader |
| 2 | Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1) [1] | 7 | Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1) [1] |
| 3 | USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4) | 8 | USB Type-A 5Gbps signaling rate (Powered) |
| 4 | Headphone/mic combo jack | 9 | Nano Security Lock Slot |
| 5 | Nano SIM card slot (optional) | | |

1. USB 20Gbps signaling rate is not available with Thunderbolt™ 4. Actual throughput may vary.

## PRODUCT NAME

HP ZBook Ultra G3a 16 inch Mobile Workstation PC

## OPERATING SYSTEM

**Preinstalled**

FreeDOS

Ubuntu Linux 26.04

Windows 11 Home - HP recommends Windows 11 Pro for business[1]

Windows 11 Home Single Language - HP recommends Windows 11 Pro for business[1]

Windows 11 Pro[1]

Windows 11 Pro (Windows 11 Enterprise available with a Volume Licensing Agreement)[1]

1. Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com

## PROCESSORS

| Processor | Cores | Threads | L3 Cache | Max Boost Frequency | Base Frequency | Pro | Integrated Graphic | NPU Tiles |
|---|---|---|---|---|---|---|---|---|
| AMD Ryzen AI Max+ 495 processor | 16 cores | 32 | 64 MB | 5.20 GHz | 3.10 GHz | | AMD Radeon™ 8065S | 32 |
| AMD Ryzen AI Max+ PRO 495 processor | 16 cores | 32 | 64 MB | 5.20 GHz | 3.10 GHz | X | AMD Radeon™ 8065S | 32 |
| AMD Ryzen AI Max PRO 490 processor | 12 cores | 24 | 64 MB | 5.00 GHz | 3.20 GHz | X | AMD Radeon™ 8050S | 32 |
| AMD Ryzen AI Max PRO 485 processor | 8 cores | 16 | 32 MB | 5.00 GHz | 3.60 GHz | X | AMD Radeon™ 8050S | 32 |
| AMD Ryzen AI Max PRO 480 processor | 6 cores | 12 | 16 MB | 4.90 GHz | 3.60 GHz | X | AMD Radeon™ 8040S | 32 |
| AMD Ryzen AI Max 490 processor | 12 cores | 24 | 64 MB | 5.00 GHz | 3.20 GHz | | AMD Radeon™ 8050S | 32 |
| AMD Ryzen AI Max 485 processor | 8 cores | 16 | 32 MB | 5.00 GHz | 3.60 GHz | | AMD Radeon™ 8050S | 32 |

**Processor Family**

AMD Ryzen AI Max+ processor
AMD Ryzen AI Max+ PRO processor
AMD Ryzen AI Max PRO processor
AMD Ryzen AI Max processor

## GRAPHICS

**Integrated**

AMD Radeon™

**Supported protocols**

Support HDMI 2.1 (up to 4K 60Hz)

Display supported (including internal display; dock may be required) up to 5

DirectX12

HDCP 2.3

HDMI 2.1 (up to 4K @ 60 Hz)

**Codec**

Hardware Acceleration HEVC (H.265) CODEC is supported.

## DISPLAY

Availability may vary by country.

**Non-Touch**

16.0 inch" diagonal WQUXGA 3840x2400 LCD 120Hz UWVA Anti-Glare WLED 500 nits DCI-P3 100 DreamColor

16.0 inch" diagonal 2.5K 2560x1600 LCD 120Hz (VRR) UWVA Anti-Glare WLED+Low Blue Light AD-100

16.0 inch" diagonal WUXGA 1920x1200 LCD UWVA Anti-Glare WLED+Low Blue Light  Low Power sRGB 100

**Touch**

16.0 inch" diagonal 2.8K 2880x1800 OLED Direct Bonding Touch Screen 120Hz (VRR) UWVA BrightView OLED+LBL 500 nits DCI-P3 100

**Display Size (Diagonal)**

40.6 cm (16.0")

**Aspect Ratio**

16:10

**Screen to Body Ratio**

Up to 91.40%

**Max Hinge Open Angle**

160

## STORAGE AND DRIVES

**Maximum Storage**

97852 - 8TB PCIe-5x4 2280 NVMe Solid State Drive

**Storage**

8 TB PCIe® Gen5x4 NVMe™ SSD

4 TB PCIe® Gen5x4 NVMe™ SSD

2 TB PCIe® Gen5x4 NVMe™ SSD [2]

1 TB PCIe® Gen5x4 NVMe™ SSD [2]

1 TB PCIe® Gen5x4 NVMe™ Self Encrypted OPAL2 SSD [2]

512 GB PCIe® Gen5 NVMe™ SSD Value [2]

512 GB PCIe® Gen5 NVMe™ Self Encrypted OPAL2 SSD Value [2]

**RAID**

RAID: Not Supported

2. For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 32 GB is reserved for system recovery software.

## MEMORY

**Maximum Memory**

192GB LPDDR5X-9600/10700 MT/s (onboard)

**RAM Support**

RAM Support: 16GB, 32GB, 64GB, 128GB, 192GB

**Memory**

192 GB LPDDR5X-10700 MT/s (onboard)
192 GB LPDDR5X-9600 MT/s (onboard)
128 GB LPDDR5X-9600 MT/s (onboard)
128 GB LPDDR5X-8533 MT/s (onboard)
64 GB LPDDR5X-9600 MT/s (onboard)
64 GB LPDDR5X-8533 MT/s (onboard)
32 GB LPDDR5X-9600 MT/s (onboard)
32 GB LPDDR5X-8533 MT/s (onboard)
16 GB LPDDR5X-9600 MT/s (onboard)
16 GB LPDDR5X-8533 MT/s (onboard)

**Memory Slots 1 (Soldered down)**

Memory soldered down. No memory slots. System runs at 8533 MT/s, Memory is non-accessible / non-upgradeable.

## NETWORKING /COMMUNICATIONS

Items below may be optional.

### WLAN

Mediatek MT7925 Wi-Fi 7 Bluetooth® 6.0 AIM-T WW WLAN [3]

### WWAN

HP R18 5G Solution

HP R18 5G HP Go Solution

### LPWAN

HP RW220-GL LTE (Low Power) (CAT-1bis) [4]

### Miracast

Native Miracast Support [5]

3. Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.11be) functionality requires compatible Windows OS, select processor, and a Wi-Fi 7 router, sold separately. Wi-Fi 7 is backwards compatible with prior 802.11 specs. Available in countries where Wi-Fi 7 is supported.
4. LPWAN (also called Mobile Narrowband) supports HP Protect & Trace with Wolf Connect service through the subscription term, but does not support mobile broadband use.
5. Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.

## AUDIO/MULTIMEDIA

**Audio**

Audio by Poly Studio

4 Integrated stereo speakers

Discrete Amplifiers

2 Integrated dual array microphone

sdw

Enhanced by AI noise reduction

**Speaker Power**

1W / 8 ohm per speaker

**Camera**

5MP MIPI AI camera, IR camera

**Sensors**

Accelerometer

Fingerprint Sensor

Hall Effect Sensor

HP Sure Platform

HP Tamper Lock

Thermal Sensor

## KEYBOARDS/POINTING DEVICES/BUTTONS & FUNCTION KEYS

**Keyboard**

HP Standard Notebook Keyboard, spill-resistant, Backlit, DuraKeys keyboard.

**Pointing Device**

Clickpad

Microsoft Precision Touchpad Default Gestures Support

Multi-touch gesture support

**Function Keys** [6]

ESC - System information

F1 - Audio Mute

F2 - Volume Down

F3 - Volume Up

F4 - Mic Mute

F5 - Media (KB backlight for Brazilian)

F6 - Display Switching

F7 - Snipping Screen

F8 - Brightness Down

F9 - Brightness Up

F10 - Keyboard Backlight (Copilot for Brazilian)

F11 - Programmable Key (HPX)

F12 - Home

Power Button (with LED)

Insert

Delete

End

Microsoft Copilot

**Hidden Function Keys**

Fn+R - Break, Fn+S - Sys Rq, Fn+C - Scroll Lock, Fn+E- Insert, Fn+W- Pause

6. Copilot+ in Windows requires Windows 11. Some features require an NPU. Timing of feature delivery and availability varies by market and device. Requires Microsoft account to log in. Where Microsoft in Windows is not available, the Copilot key will lead to the Bing search engine. See aka.ms/copilotpluspcs.

## SOFTWARE AND SECURITY

### Application Software

Buy Microsoft Office (Sold Separately) [7]

Data Science Stack

Edge Customization

HP app [8]

HP Connection Optimizer

HP Hotkey Support

HP IQ [9]

HP Mac Address Manager

HP Notifications

HP PC Hardware Diagnostics UEFI

HP PC Hardware Diagnostics Windows

HP Privacy Settings

HP Services Scan [10]

HP Support Assistant [11]

HSA Fusion for Commercial

HSA Telemetry for Commercial

Poly Camera Pro

Poly Studio Desktop [12]

Ubuntu Data Science Stack

### Manageability Features

HP Client Catalog (download) [13]

HP Client Management Script Library (download) [14]

HP Cloud Recovery [15]

HP Connect for Microsoft Endpoint Manager [16]

HP Driver Packs (download) [17]

HP Image Assistant (download) [18]

HP Manageability Integration Kit (download) [19]

HP Patch Assistant (download) [20]

HP Power Manager with Battery Health Manager (download) [21]

**Security Features**

Secured-Core PC Enable [22]

Windows Hello Enhanced Sign-In Security (ESS)

HP Wolf Security for Business which includes: [23]

HP Sure Admin [24]

HP Sure Click [25]

HP Sure Recover [26]

HP Sure Run [27]

HP Sure Sense [28]

HP Sure Start [29]

HP Tamper Lock [30]

**Security- TPM**

**Model**

Model: Nuvoton NPCT760HAEYX

**Firmware Version**

Firmware Version: 7.2.4.1

**TCG**

TCG TPM 2.0

**FIPS 140-2 Compliant**

FIPS 140-2 Compliant:

**FIPS 140-3 Compliant**

FIPS 140-3 Compliant:

**Model**

Model: STMicro ST33KTPM2X32DKG9

**Firmware Version**

Firmware Version: 9.257

**TCG**

TCG TPM 2.0

**FIPS 140-2 Compliant**

FIPS 140-2 Compliant:

**FIPS 140-3 Compliant**

FIPS 140-3 Compliant:

**BIOS**

Absolute Persistence Module [31]

BIOS Update via Network

HP BIOSphere [32]

HP DriveLock & Automatic DriveLock

HP Fingerprint Sensor

HP Secure Erase [33]

HP Wake on WLAN

**FIPS 140-2 Compliant**

No

**IPv6 Support**

No

7. Microsoft 365 sold separately and requires Internet access for activation.

8. HP app requires Windows 10 or higher OS.

9. HP IQ delivery app is preloaded on select HP PCs; it will be automatically updated to the future featured HP IQ application if you have auto updates enabled in Windows or will be available for download from the Microsoft Store. The future featured HP IQ app uses artificial intelligence. Features vary by configuration. For complete details see https://support.hp.com/us-en/document/ish_13696672-13696717-16

10. HP Services Scan automatically collects the telemetry necessary upon initial boot of the product to deliver device-level configuration data and health insights and is available preinstalled on select products, thru HP Factory Configuration Services; or it can be downloaded. For more information about how to enable HP Smart Support or for download, please visit http://www.hp.com/smart-support.
11. HP Support Assistant is available on Windows. For more information, please visit http://www.support.hp.com/help/hp-support-assistant
12. Poly Studio Desktop requires a Windows OS.
13. HP Client Catalog not preinstalled, however available for download at (https://www.hp.com/us-en/solutions/client-management-solutions.html).
14. HP Client Management Script Library (https://www.hp.com/us-en/solutions/client-management-solutions.html#tab=manageability-tools).
15. HP Cloud Recovery is available for Z by HP, HP Elite and Pro desktops and laptops PCs with Intel® or AMD processors and requires an open, network connection. Note: You must back up important files, data, photos, videos, etc. before use to avoid loss of data. Detail, please refer to: https://support.hp.com/us-en/document/c05115630.
16. HP Connect for Microsoft Endpoint Manager is available from the Azure Market Place for HP Pro, Elite, Z and Point-of-Sale PCs managed with Microsoft Endpoint Manager. Subscription to Microsoft Endpoint Manager required and sold separately. Network connection required.
17. HP Driver Packs not preinstalled, however available for download at http://www.hp.com/go/clientmanagement.
18. HP Image Assistant not preinstalled, however available for download at (https://ftp.ext.hp.com/pub/caps-softpaq/cmit/HPIA.html)
19. HP Manageability Integration Kit can be downloaded from HP Manageability Integration Kit | HP Client Management Solutions.
20. HP Patch Assistant available on select HP PCs with the HP Manageability Kit that are managed through Microsoft System Center Configuration Manager. HP Manageability Integration Kit can be downloaded from HP Manageability Integration Kit | HP Client Management Solutions
21. HP Power Manager with Battery Health can be downloaded by entering your system information here: https://support.hp.com/in-en/document/ish_4449597-3519507-16.
22. Secured-Core PC Enable requires an Intel® vPro®, AMD Ryzen™ Pro processor or Qualcomm® processor with SD850 or higher and requires 8 GB or more system memory. Secured-core PC is enabled from the factory.
23. HP Wolf Security for Business requires Windows 10 or 11 (Pro or Home) or higher, includes various HP security features and is available on HP X, Ultra, Pro, Elite, Engage and Workstation products. See product details for included security features.
24. HP Sure Admin requires HP G8 or newer platforms, Windows 10 or higher, HP BIOS, HP Manageability Kit or KMS Service from http://www.hp.com/go/clientmanagement, and HP Sure Admin Local Access Authenticator
25. HP Sure Click requires Windows 10 Pro or higher or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.
26. HP Sure Recover is available on select HP PCs and requires Windows 10 or 11 and an open network connection. You must back up

important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data.

27. HP Sure Run is available on select HP PCs and requires Windows 10 and higher.

28. HP Sure Sense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS.

29. HP Sure Start is available on select HP PCs and requires Windows 10 and higher

30. HP Tamper Lock can be Enabled/disabled by customers or IT administrator with administrator authority.

31. Absolute Persistence firmware module is shipped turned off and can only be activated with the purchase a license subscription and full activation of the software agent. License subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. Certain conditions apply. For full details visit: https://www.absolute.com/about/legal/agreements/absolute/.

32. HP BIOSphere features may vary depending on the platform and configuration.

33. HP Secure Erase implements the methods outlined in the National Institute of Standards and Technology Special.

## POWER

Power supply availability may vary by country.

Battery is internal and replaceable by customer. Serviceable by warranty.

Higher wattage adapter is recommended for best performance and fastest charging.

**Power Supply**

180W Gallium Nitride USB-C AC power adapter

140W Gallium Nitride USB-C AC power adapter

**Battery**

HP Long Life 6 cell, 96Wh Polymer

**Battery Recharge Time**

Supports battery HP Fast Charge: approximately 50% in 30 minutes [34]

**Power Cord**

3-wired plug- 1.0m for standard type adapter

**Battery life**

Up to 16 hours 45 minutes with 96Whr battery (AMD Ryzen™ AI 7, UMA graphic, brightness set to 250nits on a 16-inch WUXGA 400nits LCD display, 32GB LPDDR5X memory, 512GB SSD) [35]

Up to 12 hours 00 minutes with 96Whr battery (AMD Ryzen™ AI 7, UMA graphic, brightness set to 150nits on a 16-inch WUXGA 400nits LCD display, 32GB LPDDR5X memory, 512GB SSD) [36]

Up to 20 hours 15 minutes with 96Whr battery (AMD Ryzen™ AI 7, UMA graphic, brightness set to 150nits on a 16-inch WUXGA 400nits LCD display, 32GB LPDDR5X memory, 512GB SSD) [37]

**Battery Weight**

**Battery Weight (metric)**

SN 96Wh Long Life Polymer Fast charge 6 cell Battery

**Battery Weight (imperial)**

SN 96Wh Long Life Polymer Fast charge 6 cell Battery

34. 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.

35. Mobile Mark battery life will vary depending on various factors including product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See www.bapco.com for additional details.

36. Test configuration: HP factory image, balanced power mode with Windows Studio Effects on. Teams 3x3 conferencing battery life will vary depending on various factors including product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. The maximum capacity of the battery will naturally decrease with time and usage.

37. Test configuration: HP factory image. Microsoft web browsing battery life will vary depending on various factors including product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. (CER Test Methodology).

## WEIGHT & DIMENSIONS

Weight will vary by configuration. Does not include power adapter.

Front height measurement is near the front edge where the mechanical chassis taper begins. Back height measurement is near the rear edge where the mechanical chassis taper ends.

**Product Weight**

Weight Starting at 4.20 lb; Starting at 1.9 kg;

**Product Dimensions (w x d x h)** [38]

Width: 356.00 mm (14.016 in)

Depth: 240.00 mm (9.449 in)

Height Front: 7.68 mm (0.302 in) - 8.18 mm (0.322 in)

Height Rear: 12.33 mm (0.485 in) - 12.83 mm (0.505 in)

Maximum height: 17.90 mm (0.705 in) - 18.40 mm (0.724 in)

**Packaging and Pallet Dimensions**

Product packaging size varies based on options chosen. Please contact your HP representative for your packaging size details. For detailed packaging information, access the HP Commercial Notebooks Packaging Guide.

38. Typical dimension. Actual dimension may vary +/- 0.5mm. Height may vary based on configuration. Maximum Height does not include Rubber feet.

## PORTS/SLOTS

**Left side**

1 x Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1) [39]

1 x USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4)

1 x HDMI 2.1

1 x headphone/mic combo jack

1 x Nano SIM card slot (optional)

**Right side**

1 x Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1) [39]

1 x Nano Security Slot

SD Card Reader

USB Type-A 5Gbps signaling rate (Powered)

39. USB 20Gbps signaling rate is not available with Thunderbolt™ 4. Actual throughput may vary.

## ENVIRONMENTAL DATA

| | | | | |
|---|---|---|---|---|
| **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>• TCO Certified<br>• China Energy Conservation Program (CECP)<br>• China State Environmental Protection Administration (SEPA)<br>• Taiwan Green Mark<br>• Korea Eco-label<br>• Japan PC Green label* | | |
| | **Sustainable Impact Specifications** | • Product Carbon Footprint<br>• At least 25% Speaker - enclosures in the ocean bound plastic[1]<br>• At least 10% post-consumer recycled plastic[2]<br>• At least 70% recycled metal[3]<br>• External Power Supply 90% Efficiency<br>• Low Halogen[4]<br>• 100% of HP paper-based packaging is from recycled or certified sustainable sources[5]<br>• Bulk packaging available<br>• Outside Box and corrugated cushions are 100% sustainably sourced and recyclable | | |
| | **System Configuration**<br><br>**Energy Consumption (in accordance with US ENERGY STAR® test method)** | The configuration used for the Energy Consumption and Declared Noise Emissions data for the Notebook model is based on a "Typically Configured Notebook". | | |
| | | **115VAC, 60Hz** | **230VAC, 50Hz** | **100VAC, 50Hz** |
| | Normal Operation (Short idle) | 5.89 W | 5.81 W | 6.39 W |
| | Normal Operation (Long idle) | 0.78 W | 1.16 W | 0.99 W |
| | Sleep | 0.78 W | 1.16 W | 0.99 W |
| | Off | 0.37 W | 0.39 W | 0.39 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) | 20 BTU/hr | 20 BTU/hr | 22 BTU/hr |
| | Normal Operation (Long idle) | 3 BTU/hr | 4 BTU/hr | 3 BTU/hr |
| | Sleep | 3 BTU/hr | 4 BTU/hr | 3 BTU/hr |
| | Off | 1 BTU/hr | 1 BTU/hr | 1 BTU/hr |
| | | *NOTE: Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour. | | |
| | **Declared Noise Emissions (in accordance with ISO 7779 and ISO 9296)** | **Sound Power ($L_{WAd}$, bels)** | **Sound Pressure ($L_{pAm}$, decibels)** | |
| | Typically Configured – Idle | 2.6 | 15 | |
| | Fixed Disk – Random writes | 2.7 | 15 | |
| | Active Mode | 4.9 | 36 | |
| | **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><br>Spare parts are available throughout the warranty period and or for up to "5" years after the end of production. | | |

| | | | | |
|---|---|---|---|---|
| | **Additional Information** | • 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 96.1% recycle-able when properly disposed of at end of life. | | |
| | **Packaging Materials** | **External:** | PAPER/Corrugated | 321 g |
| | | | PAPER/Molded Pulp | 210 g |
| | | | PAPER/Paper | 28 g |
| | | The plastic packaging material contains at least 0% recycled content. | | |
| | | The corrugated paper packaging materials contains at least 54% recycled content. | | |
| | **RoHS Compliance** | HP Inc. complies fully with materials regulations. We were among the first companies to extend the restrictions in the European Union (EU) Restriction of Hazardous Substances (RoHS) Directive to our products worldwide through the HP GSE. HP has contributed to the development of related legislation in Europe, as well as China, India, and Vietnam.<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. | | |

| | | |
|---|---|---|
| | **Material Usage** | This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=c05998906):<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<br>• 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. |

| | | |
|---|---|---|
| | | • 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: https://h20195.www2.hp.com/V2/GetDocument.aspx?docname=c05403198 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: HP Product Disassembly Instruction Website. 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>• Sustainability Progress Report<br>  ○ Sustainability Progress \| HP® Official Site<br>• Eco-label certifications<br>  ○ Sustainability progress \| Documents and Reports \| HP® Official Site<br>• ISO 14001 certificates<br>  ○ https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=c04777932 |

| | | |
|---|---|---|
| | **Footnotes** | 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.<br>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.<br>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.<br>4. External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.<br>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 >90% recycled plastic. |

## SERVICE AND SUPPORT

**Warranty**

1-year warranty and 90 day software limited warranty options depending on country. HP Worldwide Limited Warranty for the battery is aligned with the warranty period of the HP Hardware Product. 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. [40]

40. 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.

## SYSTEM UNIT

| | |
|---|---|
| **Stand - Alone Power Requirements (AC Power)** | |
| Nominal Operating Voltage | 36.0 V |
| Average Operating Power | 108.000 W |
| Max Operating Power | UMA < 180 W |
| **Temperature** | |
| Operating | 0° to 50° C (32° to 122° F) System performance may be reduced above 32°C (89.6°F) |
| Non - operating | -20° to 65° C (-4° to 149° F) System performance may be reduced above 32°C (89.6°F) |
| **Relative Humidity** | |
| Operating | 0% to 80% (non-condensing) |
| Non - operating | 0% to 95%, 38.7° C (101.6° F) maximum wet bulb temperature |
| **Shock** | |
| Operating | 40 G, 2 ms, half-sine |
| Non - operating | 240 G, 2 ms, half-sine |
| **Random Vibration** | |
| Operating | 1.043 grms |
| Non - operating | 3.500 grms |
| **Industry Standard Certifications** | |
| Regulatory Model Number | HSN-I70C |
| CSA/UL 62368-1 | Yes |
| ENERGY STAR® [41] | Yes |
| FCC/ICES/CISPR/VCCI | Yes |
| CE MARKING | Yes |
| GS Mark | No |
| China CCC/SRRC/CEL | Yes |
| Taiwan BSMI/NCC | Yes |
| Korea KCC/KC/KES | Yes |
| Ukraine NSoC/TEC | Yes |
| EAEU Compliance | Yes |

| | |
|---|---|
| Saudi Arabian Compliance | Yes |
| TCO | Yes |
| EPEAT Gold [42] | Yes |
| Low Blue Light | Yes |
| WW RoHS | Yes |
| CECP | Yes |
| Medical EMC: IEC 60601-1-2:2014 EN60601-1-2: 2015 | Yes |
| SEPA | Yes |
| MIL - STD Testing [43] | MIL-STD 810H |

41. Configurations that are ENERGY STAR® qualified are identified as ENERGY STAR on HP websites and on http://www.energystar.gov

42. Based on US EPEAT registration according to EPEAT criteria. EPEAT status and tier level varies by country. Visit http://www.epeat.net for more information.

43. MIL STD testing is not intended to demonstrate fitness for U.S. Department of Defense contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.

## DISPLAYS

Actual brightness will be lower with touchscreen or HP Sure View.

Availability may vary by country

| | | |
|---|---|---|
| **16.0 inch" diagonal WQUXGA 3840x2400 LCD 120Hz UWVA Anti-Glare WLED 500 nits DCI-P3 100 DreamColor** | **Active Area** | 344.680 x 215.420 (typ) |
| | **Dimensions (W x H)** | 349.980 x 225.420 (max) |
| | **Weight** | 300 (max) |
| | **Diagonal Size** | 16.0 inch |
| | **Surface Treatment** | Anti-Glare |
| | **Touch Enabled** | No |
| | **Contrast Ratio** | 1200:1 (typ) |
| | **Refresh Rate** | 120 Hz (typ) |
| | **Brightness** | 500 nits (typ) |
| | **Pixel Resolution** | 3840 x 2400 (WQUXGA) |
| | **Pixel Resolution - Format** | 3840x2400 (WQUXGA) |
| | **Aspect Ratio** | 0.673611111 |
| | **Backlight** | WLED |
| | **Color Gamut Coverage** | DCI-P3 100% |
| | **Color Depth** | 8bit |
| | **Viewing Angle** | UWVA 89/89/89/89 |
| | **Low Blue Light** | No |
| | **Power Consumption** | 4.98 (max)/ 5.84 (max) |

| | | |
|---|---|---|
| **16.0 inch" diagonal 2.8K 2880x1800 OLED Direct Bonding Touch Screen 120Hz (VRR) UWVA BrightView OLED+LBL 500 nits DCI-P3 100** | **Active Area** | 344.448 x 215.28 mm (typ) |
| | **Dimensions (W x H)** | 348.078 x 224.36 mm (max) |
| | **Weight** | 193 g (max) |
| | **Diagonal Size** | 16.0 inch |
| | **Surface Treatment** | BrightView |
| | **Touch Enabled** | No |
| | **Contrast Ratio** | 1000000:1 (typ) |
| | **Refresh Rate** | 120Hz |
| | **Brightness** | 500 nits (typ) |

| | | |
|---|---|---|
| | **Pixel Resolution** | 2880 x 1800 |
| | **Pixel Resolution - Format** | 2880x1800 (2.8K) |
| | **Aspect Ratio** | 0.673611111 |
| | **Backlight** | OLED+LBL |
| | **Color Gamut Coverage** | DCI-P3 100% (typ) |
| | **Color Depth** | SDR 8bits / HDR 10bits |
| | **Viewing Angle** | UWVA 89/89/89/89 |
| | **Low Blue Light** | Yes |
| | **Power Consumption** | (MM25) Power @ 200nits / OPR30% : 4.1W (max)<br>(Web Browsing) Power @ 150nits / OPR30% : 3.8W (max) |
| **16.0 inch" diagonal 2.8K 2880x1800 OLED Direct Bonding Touch Screen 120Hz (VRR) UWVA BrightView OLED+LBL 500 nits DCI-P3 100** | **Active Area** | 344.448 x 215.28 mm (typ) |
| | **Dimensions (W x H)** | 348.078 x 224.36 mm (max) |
| | **Weight** | 193 g (max) |
| | **Diagonal Size** | 16.0 inch |
| | **Surface Treatment** | BrightView |
| | **Touch Enabled** | No |
| | **Contrast Ratio** | 1000000:1 (typ) |
| | **Refresh Rate** | 120Hz |
| | **Brightness** | 500 nits (typ) |
| | **Pixel Resolution** | 2880 x 1800 |
| | **Pixel Resolution - Format** | 2880x1800 (2.8K) |
| | **Aspect Ratio** | 0.673611111 |
| | **Backlight** | OLED+LBL |
| | **Color Gamut Coverage** | DCI-P3 100% (typ) |
| | **Color Depth** | SDR 8bits / HDR 10bits |
| | **Viewing Angle** | UWVA 89/89/89/89 |
| | **Low Blue Light** | Yes |
| | **Power Consumption** | (MM25) Power @ 200nits / OPR30% : 4.1W (max)<br>(Web Browsing) Power @ 150nits / OPR30% : 3.8W (max) |

| | | |
|---|---|---|
| **16.0 inch" diagonal 2.5K 2560x1600 LCD 120Hz (VRR) UWVA Anti-Glare WLED+Low Blue Light AD-100** | **Active Area** | 344.678 x 215.424 mm (typ) |
| | **Dimensions (W x H)** | 349.980 x 224.820 mm (max) |
| | **Weight** | 280 g (max) |
| | **Diagonal Size** | 16.0 inch |
| | **Surface Treatment** | Anti-Glare |
| | **Touch Enabled** | No |
| | **Contrast Ratio** | 2,000:1 (typ) |
| | **Refresh Rate** | 120Hz |
| | **Brightness** | 400 nits (typ) |
| | **Pixel Resolution** | RGB |
| | **Pixel Resolution - Format** | 2560x1600 (2.5K) |
| | **Aspect Ratio** | 16:10 |
| | **Backlight** | WLED |
| | **Color Gamut Coverage** | AD-100 |
| | **Color Depth** | 8 |
| | **Viewing Angle** | UWVA 89/89/89/89 |
| | **Low Blue Light** | Yes |
| | **Power Consumption** | EBL @ 250 nits: 3.5 W(max) |

| | | |
|---|---|---|
| **16.0 inch" diagonal WUXGA 1920x1200 LCD UWVA Anti-Glare WLED+Low Blue Light Low Power sRGB 100** | **Active Area** | 344.6784x215.424 mm (typ) |
| | **Dimensions (W x H)** | 349.98 x 224.82 mm (max) |
| | **Weight** | 300g (max) |
| | **Diagonal Size** | 16.0 inch |
| | **Surface Treatment** | Anti-Glare |
| | **Touch Enabled** | No |
| | **Contrast Ratio** | 1200 : 1 (typ) |
| | **Refresh Rate** | 60Hz |
| | **Brightness** | 400 nits (typ) |
| | **Pixel Resolution** | 1920 x 1200 |
| | **Pixel Resolution - Format** | 1920x1200 (WUXGA) |
| | **Aspect Ratio** | 0.673611111 |
| | **Backlight** | WLED+Low Blue Light |

| | | |
|---|---|---|
| | **Color Gamut Coverage** | sRGB 100% (typ) |
| | **Color Depth** | 8 bits |
| | **Viewing Angle** | UWVA 89/89/89/89 |
| | **Low Blue Light** | Yes |
| | **Power Consumption** | EBL @ 150nits : 1.9W (max)<br>EBL @ 200nits : 2.4W (max)<br>EBL @ 250nits : 2.87W (max) |
| **16.0 inch" diagonal WUXGA 1920x1200 LCD UWVA Anti-Glare WLED+Low Blue Light Low Power sRGB 100** | **Active Area** | 344.6784x215.424 mm (typ) |
| | **Dimensions (W x H)** | 349.98 x 224.82 mm (max) |
| | **Weight** | 300g (max) |
| | **Diagonal Size** | 16.0 inch |
| | **Surface Treatment** | Anti-Glare |
| | **Touch Enabled** | No |
| | **Contrast Ratio** | 1200 : 1 (typ) |
| | **Refresh Rate** | 60Hz |
| | **Brightness** | 400 nits (typ) |
| | **Pixel Resolution** | 1920 x 1200 |
| | **Pixel Resolution - Format** | 1920x1200 (WUXGA) |
| | **Aspect Ratio** | 0.673611111 |
| | **Backlight** | WLED+Low Blue Light |
| | **Color Gamut Coverage** | sRGB 100% (typ) |
| | **Color Depth** | 8 bits |
| | **Viewing Angle** | UWVA 89/89/89/89 |
| | **Low Blue Light** | Yes |
| | **Power Consumption** | EBL @ 150nits : 1.9W (max)<br>EBL @ 200nits : 2.4W (max)<br>EBL @ 250nits : 2.87W (max) |

| | | |
|---|---|---|
| **16.0 inch" diagonal 2.5K 2560x1600 LCD 120Hz (VRR) UWVA Anti-Glare WLED+Low Blue Light AD-100** | **Active Area** | 344.678 x 215.424 mm (typ) |
| | **Dimensions (W x H)** | 349.980 x 224.820 mm (max) |
| | **Weight** | 280 g (max) |
| | **Diagonal Size** | 16.0 inch |
| | **Surface Treatment** | Anti-Glare |
| | **Touch Enabled** | No |
| | **Contrast Ratio** | 2,000:1 (typ) |
| | **Refresh Rate** | 120Hz |
| | **Brightness** | 400 nits (typ) |
| | **Pixel Resolution** | RGB |
| | **Pixel Resolution - Format** | 2560x1600 (2.5K) |
| | **Aspect Ratio** | 16:10 |
| | **Backlight** | WLED |
| | **Color Gamut Coverage** | AD-100 |
| | **Color Depth** | 8 bits |
| | **Viewing Angle** | UWVA 89/89/89/89 |
| | **Low Blue Light** | Yes |
| | **Power Consumption** | EBL @ 250 nits: 3.5 W(max) |

| | | |
|---|---|---|
| **16.0 inch" diagonal 2.5K 2560x1600 LCD 120Hz (VRR) UWVA Anti-Glare WLED+Low Blue Light AD-100** | **Active Area** | 344.680 x 215.420 mm (typ) |
| | **Dimensions (W x H)** | 349.980 x 224.820 mm (max) |
| | **Weight** | 275 g (max) |
| | **Diagonal Size** | 16.0 inch |
| | **Surface Treatment** | Anti-Glare |
| | **Touch Enabled** | No |
| | **Contrast Ratio** | 1,000:1 (typ) |
| | **Refresh Rate** | 120Hz |
| | **Brightness** | 500 nits (typ) |
| | **Pixel Resolution** | RGB |
| | **Pixel Resolution - Format** | 2560x1600 (2.5K) |
| | **Aspect Ratio** | 16:10 |
| | **Backlight** | WLED |

| | | |
|---|---|---|
| | **Color Gamut Coverage** | AD-100 |
| | **Color Depth** | 8 bits |
| | **Viewing Angle** | UWVA 89/89/89/89 |
| | **Low Blue Light** | Yes |
| | **Power Consumption** | EBL @ 150 nits: 3.1 W(max)<br>EBL @ 200 nits: 3.7 W(max)<br>EBL @ 250 nits: 4.3 W(max) |
| **16.0 inch" diagonal 2.5K 2560x1600 LCD 120Hz (VRR) UWVA Anti-GlareWLED+Low Blue Light AD-100** | **Active Area** | 344.680 x 215.420 mm (typ) |
| | **Dimensions (W x H)** | 349.980 x 224.820 mm (max) |
| | **Weight** | 275 g (max) |
| | **Diagonal Size** | 16.0 inch |
| | **Surface Treatment** | Anti-Glare |
| | **Touch Enabled** | No |
| | **Contrast Ratio** | 1,000:1 (typ) |
| | **Refresh Rate** | 120Hz |
| | **Brightness** | 500 nits (typ) |
| | **Pixel Resolution** | RGB |
| | **Pixel Resolution - Format** | 2560x1600 (2.5K) |
| | **Aspect Ratio** | 16:10 |
| | **Backlight** | WLED |
| | **Color Gamut Coverage** | AD-100 |
| | **Color Depth** | 8 bits |
| | **Viewing Angle** | UWVA 89/89/89/89 |
| | **Low Blue Light** | Yes |
| | **Power Consumption** | EBL @ 150 nits: 3.1 W(max)<br>EBL @ 200 nits: 3.7 W(max)<br>EBL @ 250 nits: 4.3 W(max) |

## STORAGE

| | | |
|---|---|---|
| **8 TB PCIe® NVMe™ 2280 Solid State Drive** | **Form Factor** | M.2 2280 |
| | **Capacity** | 8 TB |
| | **NAND Type** | Performance |
| | **Weight** | 15.0 g (0.03 lb) |
| | **Interface** | PCIe Gen5x4 NVMe |
| | **Sequential Read** | 13500 MB/s ± 20% (in PCIe Gen5x4 slot); |
| | **Sequential Write** | 10000 MB/s ± 20% (in PCIe Gen5x4 slot); |
| | **Logical Blocks** | 16,003,147,104 |
| | **Features** | TRIM |
| | | L1.2 |
| **4 TB PCIe® NVMe™ 2280 Solid State Drive** | **Form Factor** | M.2 2280 |
| | **Capacity** | 4 TB |
| | **NAND Type** | Performance |
| | **Weight** | 15.0 g (0.03 lb) |
| | **Interface** | PCIe Gen5x4 NVMe |
| | **Sequential Read** | 13500 MB/s ± 20% (in PCIe Gen5x4 slot); |
| | **Sequential Write** | 10000 MB/s ± 20% (in PCIe Gen5x4 slot); |
| | **Logical Blocks** | 8,001,573,552 |
| | **Features** | TRIM |
| | | L1.2 |
| **2 TB PCIe® NVMe™ 2280 Solid State Drive** [44] | **Form Factor** | M.2 2280 |
| | **Capacity** | 2 TB |
| | **NAND Type** | Performance |
| | **Weight** | 10.0 g (0.02 lb) |
| | **Interface** | PCIe Gen5x4 NVMe |
| | **Sequential Read** | 13500 MB/s ± 20% (in PCIe Gen5x4 slot); |
| | **Sequential Write** | 10000 MB/s ± 20% (in PCIe Gen5x4 slot); |
| | **Logical Blocks** | 4,000,797,360 |
| | **Features** | TRIM |
| | | L1.2 |

| | | |
|---|---|---|
| **1 TB PCIe® NVMe™ 2280 Solid State Drive** [44] | **Form Factor** | M.2 2280 |
| | **Capacity** | 1 TB |
| | **NAND Type** | Performance |
| | **Weight** | 10.0 g (0.02 lb) |
| | **Interface** | PCIe Gen5x4 NVMe |
| | **Sequential Read** | 13000 MB/s ± 20% (in PCIe Gen5x4 slot); |
| | **Sequential Write** | 9000 MB/s ± 20% (in PCIe Gen5x4 slot); |
| | **Logical Blocks** | 2,000,409,264 |
| | **Features** | TRIM |
| | | L1.2 |
| **1 TB PCIe® NVMe™ 2280 Self Encrypted OPAL2 Solid State Drive** [44] | **Form Factor** | M.2 2280 |
| | **Capacity** | 1 TB |
| | **NAND Type** | Performance |
| | **Weight** | 10.0 g (0.02 lb) |
| | **Interface** | PCIe Gen5x4 NVMe |
| | **Sequential Read** | 13000 MB/s ± 20% (in PCIe Gen5x4 slot); |
| | **Sequential Write** | 9000 MB/s ± 20% (in PCIe Gen5x4 slot); |
| | **Logical Blocks** | 2,000,409,264 |
| | **Features** | TRIM |
| | | L1.2 |
| **512 GB PCIe Gen5 NVMe™ Value 2280 Solid State Drive** [44] | **Form Factor** | M.2 2280 |
| | **Capacity** | 512 GB |
| | **NAND Type** | Value |
| | **Weight** | 10.0 g (0.02 lb) |
| | **Interface** | PCIe Gen5 NVMe |
| | **Sequential Read** | 9000 MB/s ± 20% (in PCIe Gen5x4 slot); |
| | **Sequential Write** | 6000 MB/s ± 20% (in PCIe Gen5x4 slot); |
| | **Logical Blocks** | 1,000,215,216 |
| | **Features** | TRIM |
| | | L1.2 |

| | | |
|---|---|---|
| **512 GB PCIe Gen5 NVMe™ Value 2280 Self Encrypted OPAL2 Solid State Drive** [44] | **Form Factor** | M.2 2280 |
| | **Capacity** | 512 GB |
| | **NAND Type** | Value |
| | **Weight** | 10.0 g (0.02 lb) |
| | **Interface** | PCIe Gen5 NVMe |
| | **Sequential Read** | 9000 MB/s ± 20% (in PCIe Gen5x4 slot); |
| | **Sequential Write** | 6000 MB/s ± 20% (in PCIe Gen5x4 slot); |
| | **Logical Blocks** | 1,000,215,216 |
| | **Features** | TRIM |
| | | L1.2 |

44. For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 32 GB is reserved for system recovery software.

## NETWORKING / COMMUNICATION

| | | |
|---|---|---|
| **Mediatek MT7925 Wi-Fi 7 Bluetooth® 6.0 AIM-T WW WLAN** [45] | **Wireless LAN Standards** | IEEE 802.11a |
| | | IEEE 802.11b |
| | | IEEE 802.11g |
| | | IEEE 802.11n |
| | | IEEE 802.11ac |
| | | IEEE 802.11ax |
| | | IEEE 802.11be |
| | | IEEE 802.11d |
| | | IEEE 802.11e |
| | | IEEE 802.11h |
| | | IEEE 802.11i |
| | | IEEE 802.11k |
| | | IEEE 802.11r |
| | | IEEE 802.11v |
| | | IEEE 802.11w |
| | **Interoperability** | Wi-Fi certified |
| | **Frequency Band** | 802.11b/g/n/ax/be |
| | | 2.402 - 2.482 GHz |
| | | 802.11a/n/ac/ax/be |
| | | 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 |
| | | 5.955 - 6.415 GHz |
| | | 6.435 - 6.515 GHz |
| | | 6.535 - 6.875 GHz |
| | | 6.895 - 7.115 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 |
| | 802.11be : max 2.8Gbps (160MHz) |
| **Modulation** | Direct Sequence Spread Spectrum |
| | OFDM, BPSK, QPSK, CCK, 16-QAM, 64-QAM, 256-QAM, 1024QAM, 4096QAM |
| **Security** | 802.1x authentication |
| | AES-CCMP: 128 bit in hardware |
| | IEEE 802.11i |
| | IEEE and WiFi certified 64 / 128 bit WEP encryption for a/b/g mode only |
| | WAPI |
| | WPA, WPA2: 802.1x. WPA-PSK, WPA2-PSK, TKIP, and AES. |
| | WPA2 certification |
| | WPA3 certification |
| **Network Architecture** | Ad-hoc (Peer to Peer) |
| **Models** | Infrastructure (Access Point Required) |
| **Roaming** | IEEE 802.11 compliant roaming between access points |
| **Output Power** | 802.11b, 1Mbps : +17dBm minimum |
| | 802.11g, 6Mpbs : +16dBm minimum |
| | 802.11a, 6Mbps : +17dBm minimum |
| | 802.11n, MCS7(HT20) : +14dBm minimum |
| | 802.11n, MCS7(HT40) : +13.5dBm minimu |
| | 802.11ac MCS9(VHT20) : 13.5dBm minimum |
| | 802.11ac MCS9(VHT40) : +13.5dBm minimum |
| | 802.11ac MCS9(VHT80) : +12.5dBm minimum |
| | 802.11ac MCS9(VHT160) : +10.5dBm minimum |
| | 802.11ax MCS11(HE20)(6GHz) : +11.5dBm minimum |
| | 802.11ax MCS11(HE40)(6GHz) : +7.5dBm minimum |
| | 802.11ax MCS11(HE80)(6GHz) : +7.5dBm minimum |
| | 802.11ax MCS11(HE160)(6GHz) : +7.5dBm minimum |
| | 802.11be MCS13(EHT20)(6GHz) : +11.5dBm |

| | |
|---|---|
| | 802.11be MCS13(EHT40)(6GHz) : +7.5dBm |
| | 802.11be MCS13(EHT80)(6GHz) : +7.5dBm |
| | 802.11be MCS13(EHT160)(6GHz) : +6.5dBm |
| **Power Consumption** | Transmit mode 2.7 W |
| | Receive mode 1.8 W |
| | Idle mode (PSP) 180 mW (WLAN Associated) |
| | Idle mode 50 mW (WLAN unassociated) |
| | Connected Standby 10mW |
| | Radio disabled 8 mW |
| **Power Management** | ACPI and PCI Express compliant power management |
| | 802.11 compliant power saving mode |
| **Receiver Sensitivity** [46] | 802.11b, 1Mbps : -93.5dBm maximum |
| | 802.11b, 11Mbps : -85dBm maximum |
| | 802.11a/g, 6Mbps : -90.5dBm maximum |
| | 802.11a/g, 54Mbps : -72.5dBm maximum |
| | 802.11n, MCS0(HT20) : -90dBm maximum |
| | 802.11n, MCS7(HT20) : -71.5dBm maximum |
| | 802.11n, MCS0(HT40) : -88.5dBm maximum |
| | 802.11n, MCS7(HT40) : -68.5dBm maximum |
| | 802.11ac, MCS9(VHT20) : -88.5dBm maximum |
| | 802.11ac, MCS9(VHT40) : -65.5dBm maximum |
| | 802.11ac, MCS9(VHT80) : -60.5dBm maximum |
| | 802.11ac, MCS9(VHT160) : -58.5dBm maximum |
| | 802.11ax, MCS11(HE20)(6GHz) : -59.5dBm maximum |
| | 802.11ax, MCS11(HE40)(6GHz) : -56.5dBm maximum |
| | 802.11ax, MCS11(HE80)(6GHz) : -53.5dBm maximum |
| | 802.11ax, MCS11(HE160)(6GHz) : -51.5dBm maximum |
| | 802.11be, MCS13(EHT20)(6GHz) : -55.5dBm maximum |
| | 802.11be, MCS13(EHT40)(6GHz) : -53.5dBm maximum |
| | 802.11be, MCS13(EHT80)(6GHz) : -51.5dBm maximum |
| | 802.11be, MCS13(EHT160)(6GHz) : -48.5dBm maximum |
| **Antenna Type** | 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 |
| **Form Factor** | PCI-Express M.2 |
| **Dimensions** | Type 1418: 1.67 x 14.0 x 18.0 mm |
| **Weight** | Type 1418: 1.3g |
| **Operating Voltage** | 3.3v +/- 9% |
| | **Integrated Bluetooth® specifications** |
| **Bluetooth® Specification** | 4.0/4.1/4.2/5.0/5.1/5.2/5.3/5.4/6.0 Compliant |
| **Frequency Band** | 2402 to 2480 MHz |
| **Number of Available** | Legacy: 0~79 (1 MHz/CH) |
| **Channels** | BLE: 0~39 (2 MHz/CH) |
| **Data Rates and Throughput** | Legacy: 3 Mbps data rate; throughput up to 2.17 Mbps<br>BLE: 1 Mbps data rate; throughput up to 0.2 Mbps<br>Legacy: Synchronous Connection Oriented links up to 3, 64 kbps, voice channels<br>Legacy: Asynchronous Connection Less links 2178.1 kbps/177.1 kbps asymmetric (3-DH5) or 864 kbps symmetric (3-EV5) |
| **Transmit Power** | The Bluetooth component shall operate as a Class I Bluetooth device with a maximum transmit power of +15.5 dBm for BR and +13dBm for EDR. |
| **Power Consumption** | Peak (Tx): 330 mW<br>Peak (Rx): 230 mW<br>Selective Suspend: 17 mW |
| **Bluetooth® Software** | 1. Microsoft Windows Bluetooth Software |
| **Supported Link Topology** | 2. Linux/Chrome OS Bluetooth Software. |
| **Power Management** | ACPI and PCI Express compliant power management<br>802.11 compliant power saving mode |
| **Certifications** | FCC (47 CFR) Part 15C, Section 15.247 & 15.249<br>ETS 300 328, ETS 300 826<br>Low Voltage Directive IEC950<br>UL, CSA, and CE Mark |

| | | |
|---|---|---|
| | **Bluetooth® Profiles Supported** | BT4.1-ESR 5/6/7 Compliance<br>LE Link Layer Ping<br>LE Dual Mode<br>LE Link Layer<br>LE Low Duty Cycle Directed Advertising<br>LE L2CAP Connection Oriented Channels<br>Train Nudging & Interlaced Scan<br>BT4.2 ESR08 Compliance<br>LE Secure Connection- Basic/Full<br>LE Privacy 1.2 –Link Layer Privacy<br>LE Privacy 1.2 –Extended Scanner Filter Policies<br>LE Data Packet Length Extension<br>FAX Profile (FAX)<br>Basic Imaging Profile (BIP)2<br>Headset Profile (HSP)<br>Hands Free Profile (HFP)<br>Advanced Audio Distribution Profile (A2DP)<br>BT5.2<br>ESR9/10 Compliance<br>LE Advertisement Extensions<br>Channel Selection Algo<br>Limited High Duty Cycle Non-Connectable Advertising<br>2Mbps LE<br>LE Long Range<br>BT5.3<br>Host to Controller Encryption Key Control Enhancements<br>Compliance to the latest Errata Section 12.3 of BT 5.3 specification<br>BT5.4<br>BT6.0 |
| **MTK T900 5G R18 Sub-6 CAT20** | **Technology Operating Bands** | WCDMA/HSPA+ operating bands:<br>Band 01: 1920 to 1980 MHz (UL), 2110 to 2170 MHz (DL) |

Band 02: 1850 to 1910 MHz (UL), 1930 to 1990 MHz (DL)
Band 04: 1710 to 1755 MHz (UL), 2110 to 2155 MHz (DL)
Band 05: 824 to 849 MHz (UL), 869 to 894 MHz (DL)
Band 08: 880 to 915 MHz (UL), 925 to 960 MHz (DL)

LTE FDD/TDD operating bands:
Band 01: 1920 to 1980 MHz (UL), 2110 to 2170 MHz (DL)
Band 02: 1850 to 1910 MHz (UL), 1930 to 1990 MHz (DL)
Band 03: 1710 to 1785 MHz (UL), 1805 to 1880 MHz (DL)
Band 04: 1710 to 1755 MHz (UL), 2110 to 2155 MHz (DL)
Band 05: 824 to 849 MHz (UL), 869 to 894 MHz (DL)
Band 07: 2500 to 2570 MHz (UL), 2620 to 2690 MHz (DL)
Band 08: 880 to 915 MHz (UL), 925 to 960 MHz (DL)
Band 12: 699 to 716 MHz (UL), 729 to 746 MHz (DL)
Band 13: 777 to 787 MHz (UL), 746 to 756 MHz (DL)
Band 14: 788 to 798 MHz (UL), 758 to 768 MHz (DL)
Band 17: 704 to 716 MHz (UL), 734 to 746 MHz (DL)
Band 18: 815 to 830 MHz (UL), 860 to 875 MHz (DL)
Band 19: 830 to 845 MHz (UL), 875 to 890 MHz (DL)
Band 20: 832 to 862 MHz (UL), 791 to 821 MHz (DL)
Band 25: 1850 to 1915 MHz (UL), 1930 to 1995 MHz (DL)
Band 26: 814 to 849 MHz (UL), 859 to 894 MHz (DL)
Band 28: 703 to 748 MHz (UL), 758 to 803 MHz (DL)
Band 29: 717 to 728 MHz (DL)
Band 30: 2305 to 2315 MHz (UL) 2350 to 2360 MHz (DL)
Band 34: 2010 to 2025 MHz (UL/DL)
Band 38: 2570 to 2620 MHz (UL/DL)
Band 39: 1880 to 1920 MHz (UL/DL)
Band 40: 2300 to 2400 MHz (UL/DL)
Band 41: 2496 to 2690 MHz (UL/DL)
Band 42: 3400 to 3600 MHz (UL/DL)
Band 43: 3400 to 3800 MHz (UL/DL)
Band 46: 5150 to 5925 MHz (DL)

| | |
|---|---|
| | Band 48: 3550 to 3700 MHz (UL/DL)<br>Band 66: 1710 to 1800 MHz (UL), 2110 to 2200 MHz (DL)<br>Band 71: 663 to 698 MHz (UL), 617 to 652 MHz (DL)<br><br>5GNR Sub 6GHZ:<br>n1: 1920 to 1980 MHz (UL), 2110 to 2170 MHz (DL)<br>n2: 1850 to 1910 MHz (UL), 1930 to 1990 MHz (DL)<br>n20: 832 to 862 MHz (UL), 791 to 821 MHz (DL)<br>n25: 1850 to 1915 MHz (UL), 1930 to 1995 MHz (DL)<br>n28: 703 to 748 MHz (UL), 758 to 803 MHz (DL)<br>n3: 1710 to 1785 MHz (UL), 1805 to 1880 MHz (DL)<br>n30: 2305 to 2315 MHz (UL) 2350 to 2360 MHz (DL)<br>n38: 2570 to 2620 MHz (UL/DL)<br>n40: 2300 to 2400 MHz (UL/DL)<br>n41: 2496 to 2690 MHz (UL/DL)<br>n48: 3550 to 3700 MHz (UL/DL)<br>n5: 824 to 849 MHz (UL), 869 to 894 MHz (DL)<br>n66: 1710 to 1800 MHz (UL), 2110 to 2200 MHz (DL)<br>n7: 2500 to 2570 MHz (UL), 2620 to 2690 MHz (DL)<br>n71: 663 to 698 MHz (UL), 617 to 652 MHz (DL)<br>n77: 3300 to 4200 MHz (UL/DL)<br>n78: 3300 to 3800 MHz (UL/DL)<br>n79: 4400 to 5000 MHz (UL/DL)<br>n8: 880 to 915 MHz (UL), 925 to 960 MHz (DL) |
| **Wireless Protocol Standards** | NR Sub6G Rel17<br>300MHz 4 DLCA, 256 QAM<br>200MHz 2 ULCA, 256 QAM<br>15KHz SCS for FDD 30KHz SCS for TDD<br><br>LTE Rel15<br>100MHz 5 DLCA, 256 QAM<br>40MHz 2 ULCA, 256 QAM |

| | | |
|---|---|---|
| | | UMTS Rel8 |
| | **GPS** | GPS only support L1 C/A |
| | **GPS Bands** | GPS L1 (1575.42MHz)<br>GLONASS L1 (1602MHz)<br>Beidou B1 (1561.098MHz)<br>Galileo E1 (1575.42MHz)<br>QZSS (1575.42MHz) |
| | **Maximum Data Rates** | LET: 2.00 Gbps (Download), 211.00 Mbps (Upload)<br>5G SA sub-6 Peak: 7.00 Gbps (Download), 2.50 Gbps (Upload)<br>5G NSA sub-6 Peak: 5.80 Gbps (Download), 140.00 Mbps (Upload)<br>UMTS/HSPA+: 42.00 Mbps (Download), 11.50 Mbps (Upload) |
| | **Maximum Output Power** | NR band (except n30=22dBm & n48=21dBm): 23.0 dBm Not support HPUE<br>LTE all band (except B30= 22dBm & B48= 21.5dBm ): 23.0 dBm Not support HPUE<br>UMTS: 23.5 dBm Not support HPUE<br>NR n41, n77, n78, n79 HPUE: 26.0 dBm Support HPUE |
| | **Maximum Power Consumption** | 5G Sub 6: 3,120 mA (peak); 1,350 mA (average) |
| | **Form Factor** | M.2<br>3052-S3 Key B |
| | **Weight** | 9.5 g (0.335 oz) |
| | **Dimensions (Length x Width x Thickness)** | 52.00 x 30.00 x 2.30 mm (2.05 x 1.18 x 0.09 inch) |
| | **Embedded eSIM** | Yes |
| **HP R18 5G Solution** | **Technology Operating Bands** | WCDMA/HSPA+ operating bands:<br>Band 01: 1920 to 1980 MHz (UL), 2110 to 2170 MHz (DL)<br>Band 02: 1850 to 1910 MHz (UL), 1930 to 1990 MHz (DL)<br>Band 04: 1710 to 1755 MHz (UL), 2110 to 2155 MHz (DL)<br>Band 05: 824 to 849 MHz (UL), 869 to 894 MHz (DL) |

Band 08: 880 to 915 MHz (UL), 925 to 960 MHz (DL)

LTE FDD/TDD operating bands:
Band 01: 1920 to 1980 MHz (UL), 2110 to 2170 MHz (DL)
Band 02: 1850 to 1910 MHz (UL), 1930 to 1990 MHz (DL)
Band 03: 1710 to 1785 MHz (UL), 1805 to 1880 MHz (DL)
Band 04: 1710 to 1755 MHz (UL), 2110 to 2155 MHz (DL)
Band 05: 824 to 849 MHz (UL), 869 to 894 MHz (DL)
Band 07: 2500 to 2570 MHz (UL), 2620 to 2690 MHz (DL)
Band 08: 880 to 915 MHz (UL), 925 to 960 MHz (DL)
Band 12: 699 to 716 MHz (UL), 729 to 746 MHz (DL)
Band 13: 777 to 787 MHz (UL), 746 to 756 MHz (DL)
Band 14: 788 to 798 MHz (UL), 758 to 768 MHz (DL)
Band 17: 704 to 716 MHz (UL), 734 to 746 MHz (DL)
Band 18: 815 to 830 MHz (UL), 860 to 875 MHz (DL)
Band 19: 830 to 845 MHz (UL), 875 to 890 MHz (DL)
Band 20: 832 to 862 MHz (UL), 791 to 821 MHz (DL)
Band 25: 1850 to 1915 MHz (UL), 1930 to 1995 MHz (DL)
Band 26: 814 to 849 MHz (UL), 859 to 894 MHz (DL)
Band 28: 703 to 748 MHz (UL), 758 to 803 MHz (DL)
Band 29: 717 to 728 MHz (DL)
Band 30: 2305 to 2315 MHz (UL) 2350 to 2360 MHz (DL)
Band 34: 2010 to 2025 MHz (UL/DL)
Band 38: 2570 to 2620 MHz (UL/DL)
Band 39: 1880 to 1920 MHz (UL/DL)
Band 40: 2300 to 2400 MHz (UL/DL)
Band 41: 2496 to 2690 MHz (UL/DL)
Band 42: 3400 to 3600 MHz (UL/DL)
Band 43: 3400 to 3800 MHz (UL/DL)
Band 46: 5150 to 5925 MHz (DL)
Band 48: 3550 to 3700 MHz (UL/DL)
Band 66: 1710 to 1800 MHz (UL), 2110 to 2200 MHz (DL)
Band 71: 663 to 698 MHz (UL), 617 to 652 MHz (DL)

| | |
|---|---|
| | 5GNR Sub 6GHZ:<br>n1: 1920 to 1980 MHz (UL), 2110 to 2170 MHz (DL)<br>n2: 1850 to 1910 MHz (UL), 1930 to 1990 MHz (DL)<br>n20: 832 to 862 MHz (UL), 791 to 821 MHz (DL)<br>n25: 1850 to 1915 MHz (UL), 1930 to 1995 MHz (DL)<br>n28: 703 to 748 MHz (UL), 758 to 803 MHz (DL)<br>n3: 1710 to 1785 MHz (UL), 1805 to 1880 MHz (DL)<br>n30: 2305 to 2315 MHz (UL) 2350 to 2360 MHz (DL)<br>n38: 2570 to 2620 MHz (UL/DL)<br>n40: 2300 to 2400 MHz (UL/DL)<br>n41: 2496 to 2690 MHz (UL/DL)<br>n48: 3550 to 3700 MHz (UL/DL)<br>n5: 824 to 849 MHz (UL), 869 to 894 MHz (DL)<br>n66: 1710 to 1800 MHz (UL), 2110 to 2200 MHz (DL)<br>n7: 2500 to 2570 MHz (UL), 2620 to 2690 MHz (DL)<br>n71: 663 to 698 MHz (UL), 617 to 652 MHz (DL)<br>n77: 3300 to 4200 MHz (UL/DL)<br>n78: 3300 to 3800 MHz (UL/DL)<br>n79: 4400 to 5000 MHz (UL/DL)<br>n8: 880 to 915 MHz (UL), 925 to 960 MHz (DL) |
| **Wireless Protocol Standards** | NR Sub6G Rel17<br>300MHz 4 DLCA, 256 QAM<br>200MHz 2 ULCA, 256 QAM<br>15KHz SCS for FDD 30KHz SCS for TDD<br><br>LTE Rel15<br>100MHz 5 DLCA, 256 QAM<br>40MHz 2 ULCA, 256 QAM<br><br>UMTS Rel8 |
| **GPS** | GPS only support L1 C/A |
| **GPS Bands** | GPS L1 (1575.42MHz) |

| | | |
|---|---|---|
| | | GLONASS L1 (1602MHz)<br>Beidou B1 (1561.098MHz)<br>Galileo E1 (1575.42MHz)<br>QZSS (1575.42MHz) |
| | **Maximum Data Rates** | LET: 2.00 Gbps (Download), 211.00 Mbps (Upload)<br>5G NSA sub-6 Peak: 5.80 Gbps (Download), 140.00 Mbps (Upload)<br>5G SA sub-6 Peak: 7.00 Gbps (Download), 2.50 Gbps (Upload)<br>DC-HSPA+: 42.00 Mbps (Download), 11.50 Mbps (Upload) |
| | **Maximum Output Power** | UMTS: 23.5 dBm Not support HPUE<br>NR band (except n30=22dBm & n48=21dBm): 23.0 dBm Not support HPUE<br>LTE all band (except B30= 22dBm & B48= 21.5dBm ): 23.0 dBm Not support HPUE<br>NR n41, n77, n78, n79 HPUE: 26.0 dBm Support HPUE |
| | **Maximum Power Consumption** | 5G Sub 6: 3,120 mA (peak); 1,350 mA (average) |
| | **Form Factor** | M.2<br>3052-S3 Key B |
| | **Weight** | 9.5 g (0.335 oz) |
| | **Dimensions (Length x Width x Thickness)** | 52.00 x 30.00 x 2.30 mm (2.05 x 1.18 x 0.09 inch) |
| | **Embedded eSIM** | Yes |
| **HP RW220-GL LTE (Low Power) (CAT-1bis)** [47] | **Technology/Operating bands** | FDD LTE: 2100 (Band 1), 1800 (Band 3), 850 (Band 5), 900 (Band 8), 700 (Band 12), 850 (Band 18), 850 (Band 19), 800 (Band 20), 850 (Band 26), 700 (Band 28)<br>WIFI Scan: 802.11b |
| | **Wireless Protocol Standards** | -3GPP TS 51.010-1 V12.9.0: Mobile Station (MS) conformance specification; Part 1: Conformance specification<br>-3GPP TS 36.521-1 V13.3.0: User Equipment (UE) conformance |

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|---|---|
| | specification; Radio transmission and reception; Part 1: Conformance testing<br>-3GPP TS 21.111 V10.0.0: USIM and IC card requirements<br>-3GPP TS 51.011 V4.15.0: Specification of the Subscriber Identity Module -Mobile Equipment (SIM-ME) interface<br>-3GPP TS 31.102 V10.11.0: Characteristics of the Universal Subscriber Identity Module (USIM) application<br>-3GPP TS 31.111 V10.16.0: Universal Subscriber Identity Module (USIM) Application Toolkit (USAT)<br>-3GPP TS 36.124 V13.2.0: Electro Magnetic Compatibility (EMC) requirements for mobile terminals and ancillary equipment<br>-3GPP TS 27.007 V10.0.8: AT command set for User Equipment (UE)<br>-3GPP TS 27.005 V10.0.1: Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS) |
| **GPS** | GPS, Galileo, BeiDou, QZSS, AGPS-MS-B |
| **GPS Bands** | GPS L1:1575.42Mhz±1.023Mhz,<br>BDS B1:1561.098Mhz±2.046Mhz,<br>Galileo E1:1575.42Mhz±1.023Mhz,<br>QZSS L1:1575.42Mhz±1.023Mhz |
| **Maximum Data Rates** | LTE FDD: 10.00 Mbps (Download), 5.00 Mbps (Upload) |
| **Maximum Output Power** | LTE (B1/3): 23.0 +/-2 dBm<br>LTE (B5/8/12/18/19/20/26/28): 24.0 +1.7/-2 dBm |
| **Maximum Power Consumption** | Peak Current ： 290.945mA<br>Average current ： 8.035mA |
| **Form Factor** | M.2<br>2242-S3 Key B |

| | |
|---|---|
| **Weight** | 3.9 g (0.138 oz) |
| **Dimensions (Length x Width x Thickness)** | 42.00 x 22.00 x 2.30 mm (1.65 x 0.87 x 0.09 inch) |
| **Embedded eSIM** | Yes |

45. Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.11be) functionality requires compatible Windows OS, select processor, and a Wi-Fi 7 router, sold separately. Wi-Fi 7 is backwards compatible with prior 802.11 specs. Available in countries where Wi-Fi 7 is supported.
46. 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).
47. LPWAN (also called Mobile Narrowband) supports HP Protect & Trace with Wolf Connect service through the subscription term, but does not support mobile broadband use.

## POWER

Power supply availability may vary by country.Battery is internal and replaceable by customer. Serviceable by warranty.

| | | |
|---|---|---|
| **180W Gallium Nitride USB-C AC power adapter** | Weight (DC Cable Included) | 500 g ± 10 g |
| | Input | 100 Vac ~ 240 Vac |
| | Input Efficiency | USB-C<br>90.00 % min at 115 Vac/ 230 Vac @ 36.00 V/ 5.00 A |
| | Input frequency range | 47 Hz ~ 63 Hz |
| | Input AC current | Max 2.50 A at 90 Vac input |
| | **Output** | |
| | Output power | 36.00 V / 180.00 W |
| | DC output | + 36.00 V |
| | Hold - up time | 5 ms at 115 Vac input |
| | Output Over Current Protection | 5.40 A (max) |
| | AC Inlet Type | C6 |
| | DC Cable Connector | USB Type-C |
| | DC Cable Material | Halogen Free |
| | **Connector** | |
| | Connector | C6 |
| | DC Plug | USB Type-C |
| | **Environmental Design** | |
| | Operating temperature | 0°C to 35°C (32°F to 95°F) |
| | Non - operating(storage) temperature | -20°C to 85°C (-4°F to 185°F) |
| | Altitude | 0 m to 5000 m (0 ft to 16404.2 ft) |
| | Humidity | 20 % to 95 % |
| | Storage Humidity | 10 % to 95 % |
| | EMI and Safety Certifications | Worldwide safety standards - IEC60950-1 and IEC62368-1: 2018, EN62368-1:2014+A11, UL62368-1<br>Agency approvals - C-UL-US, TUV/GS, TUV/PSE, EN55032 Class B, FCC Class B, CISPR32 Class B, CCC and CECP, CU(EAC), |

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|---|---|---|
| | | 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 |
| **140W Gallium Nitride USB-C AC power adapter** | Weight (DC Cable Included) | 300 g ± 10 g |
| | Input | 100 Vac ~ 240 Vac |
| | Input Efficiency | USB-C<br>90.00 % min at 115 Vac/ 230 Vac @ 28.00 V/ 5.00 A |
| | Input frequency range | 47 Hz ~ 63 Hz |
| | Input AC current | Max 1.60 A at 90 Vac input |
| | **Output** | |
| | Output power | 28.00 V / 140.00 W |
| | DC output | + 28.00 V |
| | Hold - up time | 5 ms at 115 Vac input |
| | Output Over Current Protection | 5.40 A (max) |
| | AC Inlet Type | Fixed 2 Prong |
| | DC Cable Connector | USB Type-C |
| | DC Cable Material | Halogen Free |
| | **Connector** | |
| | Connector | Fixed 2 Prong |
| | DC Plug | USB Type-C |
| | **Environmental Design** | |
| | Operating temperature | 0°C to 35°C (32°F to 95°F) |
| | Non - operating(storage) temperature | -20°C to 85°C (-4°F to 185°F) |
| | Altitude | 0 m to 5000 m (0 ft to 16404.2 ft) |
| | Humidity | 20 % to 95 % |
| | Storage Humidity | 10 % to 95 % |
| | EMI and Safety Certifications | Worldwide safety standards - IEC60950-1 and IEC62368-1: 2018, EN62368-1:2014+A11, UL62368-1<br>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 |
| **140W Gallium Nitride USB-C AC power adapter** | Weight (DC Cable Included) | 300 g ± 10 g |
| | Input | 100 Vac ~ 240 Vac |
| | Input Efficiency | USB-C<br>90.00 % min at 115 Vac/ 230 Vac @ 28.00 V/ 5.00 A |
| | Input frequency range | 47 Hz ~ 63 Hz |
| | Input AC current | Max 1.60 A at 90 Vac input |
| | **Output** | |
| | Output power | 28.00 V / 140.00 W |
| | DC output | + 28.00 V |
| | Hold - up time | 5 ms at 115 Vac input |
| | Output Over Current Protection | 5.40 A (max) |
| | AC Inlet Type | Foldable for 2 prong |
| | DC Cable Connector | USB Type-C |
| | DC Cable Material | Halogen Free |
| | **Connector** | |
| | Connector | Foldable for 2 prong |
| | DC Plug | USB Type-C |
| | **Environmental Design** | |
| | Operating temperature | 0°C to 35°C (32°F to 95°F) |
| | Non - operating(storage) temperature | -20°C to 85°C (-4°F to 185°F) |
| | Altitude | 0 m to 5000 m (0 ft to 16404.2 ft) |
| | Humidity | 20 % to 95 % |
| | Storage Humidity | 10 % to 95 % |
| | EMI and Safety Certifications | Worldwide safety standards - IEC60950-1 and IEC62368-1: 2018, EN62368-1:2014+A11, UL62368-1<br>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 |
| **Battery** | | |
| **SN 96Wh Long Life Polymer Fast charge 6 cell Battery** | Weight | 333g ± 10 g |
| | Cells / Type | 6 cell Lithium-Ion Polymer / |
| | **Energy** | |
| | Voltage | 15.64 |
| | Amp - hour capacity | 6.33 |
| | Watt - hour capacity | 96 |
| | **Temperature** | |
| | Operating (Charging) | 0 to 45 |
| | Operating (Discharging) | -10 to 65 |
| | Optional Travel Battery Available | No |

## AUDIO

Privacy panel is only available on select models.

| | |
|---|---|
| **Codec** | Realtek |
| **Audio I/O Ports** | 3.5mm Headset: CTIA only; Headset: CTIA only |
| **Internal Speaker Amplifier** | No |
| **Multi-streaming Capable** | Playback multi-streaming can be enabled in the audio control panel to allow independent audio streams to be sent to/from the front jacks or integrated speaker.<br>Following Microsoft behavior. |
| **Sampling** | DAC: Supports resolutions from 24-bit to 24-bit;48.0 kHz to 48.0 kHz<br>ADC: Supports resolutions from 24-bit to 24-bit;48.0 kHz to 48.0 kHz |
| **Internal Speaker** | Yes |

## FINGERPRINT READER

| | |
|---|---|
| **Sensor vendor** | SYNAPTICS |
| **Sensor type** | Capacitive |
| **DPI resolution** | 363 DPI |
| **Scan area** | 104 x 86 pixels |
| **False Rejection Rate** | < 3% |
| **False Acceptance Rate** | < 0.001% |
| **Mobile Voltage Operation** | 2.7 V ~ 3.6 V |
| **Operating Temperature** | 0°C ~ 60°C (32°F ~ 140°F) |
| **Current Consumption Image** | 100 mA max |
| **Low Latency Wait For Finger** | 260 uA |
| **Capture Rate** | 50 frames/sec |
| **ESD Resistance** | IEC 61000-4-2 4B (+15KV) |
| **Detection Matrix** | 363 dpi / 7.4 x 6.0 mm sensor area |

## OPTIONS

| Container Name | Description | Part Number |
|---|---|---|
| **Adapters** | HP 240W Thunderbolt 4 Cable | BR1W8AA |
| | HP HDMI to VGA Adapter | H4F02AA#ABA,H4F02AA#AC3, H4F02AA#UUF |
| | HP USB 3.0 to Gigabit RJ45 Adapter G2 | 4Z7Z7AA |
| | HP USB-C to DisplayPort Adapter G2 | 8Y8Y1AA |
| | HP USB-C to HDMI 2.0 Adapter | 1WC36AA |
| | HP USB-C to RJ45 Adapter G2 | 4Z527AA |
| | HP USB-C to USB 3.0 Adapter | N2Z63AA#ABA,N2Z63AA#AC3 |
| | HP USB-C to USB-C Cable | 5AR72AA |
| | HP USB-C to VGA Adapter | N9K76AA#ABA,N9K76AA#AC3 |
| **Audio - Earbuds** | Poly Voyager Free 60/60+ Black Earbuds (2 Pieces) | 8L5A6AA |
| | Poly Voyager Free 60/60+ Microsoft Teams Certified Black Earbuds (2 Pieces) | 8L5A8AA |
| | Poly Voyager Free 60+ UC Carbon Black Earbuds +BT700 USB-C Adapter +Touchscreen Charge Case | 7Y8G4AA |
| **Audio - Headset** | Poly Blackwire 8225 Stereo USB-C Headset | 8X223AA |
| | Poly Blackwire 8225 Stereo USB-C Headset | 8X225AA |
| | Poly Savi 7310 DECT 1880-1900 MHz Single Ear Headset | 8D3G3AA#ABB,8D3G3AA#ABG, 8D3G3AA#UUF |
| | Poly Savi 7310 Monaural DECT 1880-1900 MHz Headset | 8L561AA#ABB,8L561AA#ABG,8 L561AA#UUF |
| | Poly Savi 7310 Monaural DECT 1880-1900 MHz Headset | 8L575AA#ABB,8L575AA#ABG,8 L575AA#UUF |
| | Poly Savi 7310 Monaural DECT 1880-1900 MHz Top | 8Y9B6AA#ABB,8Y9B6AA#ABG, 8Y9B6AA#UUF |
| | Poly Savi 7310 Monaural DECT 1880-1900 MHz Top | 8Y9B8AA#ABB,8Y9B8AA#ABG, 8Y9B8AA#UUF |
| | Poly Savi 7310 Monaural DECT 1893-1906 MHz Top | 9V8Z7AA#ABJ |
| | Poly Savi 7310 Monaural DECT 1920-1930 MHz Headset | 7S430AA#ABA,7S430AA#ABB, 7S430AA#ABG,7S430AA#ABJ,7 |

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| | S430AA#AC4,7S430AA#UUF |
| Poly Savi 7310 Monaural DECT 1920-1930 MHz Headset | 8L570AA#ABA |
| Poly Savi 7310 Monaural DECT 1920-1930 MHz Headset | 8L585AA#ABA |
| Poly Savi 7310 Monaural DECT 1920-1930 MHz Top | 783N0AA#ABA,783N0AA#ABB, 783N0AA#ABG,783N0AA#AC3 |
| Poly Savi 7310 Monaural DECT 1920-1930 MHz Top | 783N2AA#ABA,783N2AA#ABB, 783N2AA#AC3 |
| Poly Savi 7310-M DECT 1880-1900 MHz Single Ear Headset | 8D3K7AA#ABB,8D3K7AA#ABG, 8D3K7AA#UUF |
| Poly Savi 7310-M DECT 1920-1930 MHz Single Ear Headset | 7S439AA#ABA,7S439AA#ABB, 7S439AA#ABG,7S439AA#ABJ,7 S439AA#AC4,7S439AA#UUF |
| Poly Savi 7320 Stereo DECT 1880-1900 MHz Headset | 8D3F7AA#ABB,8D3F7AA#ABG, 8D3F7AA#UUF |
| Poly Savi 7320 Stereo DECT 1880-1900 MHz Headset | 8L545AA#ABB,8L545AA#ABG,8 L545AA#UUF |
| Poly Savi 7320 Stereo DECT 1880-1900 MHz Headset | 8L553AA#ABB,8L553AA#ABG,8 L553AA#UUF |
| Poly Savi 7320 Stereo DECT 1880-1900 MHz Top | 8Y9B7AA#ABB,8Y9B7AA#ABG, 8Y9B7AA#UUF |
| Poly Savi 7320 Stereo DECT 1880-1900 MHz Top | 8Y9B9AA#ABB,8Y9B9AA#ABG, 8Y9B9AA#UUF |
| Poly Savi 7320 Stereo DECT 1893-1906 MHz Headset | 8D3F8AA#ABJ |
| Poly Savi 7320 Stereo DECT 1893-1906 MHz Headset | 8L546AA#ABJ |
| Poly Savi 7320 Stereo DECT 1893-1906 MHz Headset | 8L555AA#ABJ |
| Poly Savi 7320 Stereo DECT 1893-1906 MHz Top | 9V8Z6AA#ABJ |
| Poly Savi 7320 Stereo DECT 1893-1906 MHz Top | 9V8Z8AA#ABJ |
| Poly Savi 7320 Stereo DECT 1920-1930 MHz Headset | 7S429AA#ABA,7S429AA#ABB, 7S429AA#ABG,7S429AA#ABJ,7 S429AA#AC4,7S429AA#UUF |
| Poly Savi 7320 Stereo DECT 1920-1930 MHz Headset | 8L549AA#ABA |
| Poly Savi 7320 Stereo DECT 1920-1930 MHz Headset | 8L559AA#ABA |
| Poly Savi 7320 Stereo DECT 1920-1930 MHz Top | 783N1AA#ABA,783N1AA#ABB, |

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| | 783N1AA#AC3 |
| Poly Savi 7320 Stereo DECT 1920-1930 MHz Top | 783N3AA#ABA,783N3AA#ABB,783N3AA#AC3 |
| Poly Savi 7320-M Stereo DECT 1880-1900 MHz Headset | 8D3J6AA#ABB,8D3J6AA#ABG,8D3J6AA#UUF |
| Poly Savi 7320-M Stereo DECT 1893-1906 MHz Headset | 8D3K2AA#ABJ |
| Poly Savi 7320-M Stereo DECT 1920-1930 MHz Headset | 7S435AA#ABA,7S435AA#ABB,7S435AA#ABG,7S435AA#ABJ,7S435AA#AC4,7S435AA#UUF |
| Poly Savi 8210 DECT 1880-1900 MHz USB-A Headset | 8D3E9AA#ABB,8D3E9AA#ABG,8D3E9AA#UUF |
| Poly Savi 8210 DECT 1880-1900 MHz USB-A Headset | 8D3F1AA#ABB,8D3F1AA#ABG,8D3F1AA#UUF |
| Poly Savi 8210 DECT 1920-1930 MHz USB-A Headset | 77T29AA#ABA,77T29AA#ABB,77T29AA#AC3,77T29AA#UUF |
| Poly Savi 8210 DECT 1920-1930 MHz USB-A Headset | 77T31AA#ABA,77T31AA#ABB,77T31AA#AC3,77T31AA#UUF |
| Poly Savi 8220 DECT 1880-1900 MHz USB-A Headset | 8D3F2AA#ABB,8D3F2AA#ABG,8D3F2AA#UUF |
| Poly Savi 8220 DECT 1880-1900 MHz USB-A Headset | 8D3F5AA#ABB,8D3F5AA#ABG,8D3F5AA#UUF |
| Poly Savi 8220 DECT 1920-1930 MHz USB-A Headset | 77T33AA#ABA,77T33AA#ABB,77T33AA#AC3,77T33AA#UUF |
| Poly Savi 8220 DECT 1920-1930 MHz USB-A Headset | 77Y82AA#ABA,77Y82AA#ABB,77Y82AA#AC3,77Y82AA#UUF |
| Poly Savi 8220 Stereo DECT 1880-1900 MHz Top | 8Y9C4AA#ABB,8Y9C4AA#UUF |
| Poly Savi 8245 DECT 1880-1900 MHz Headset | 8D3H2AA#ABB,8D3H2AA#ABG,8D3H2AA#UUF |
| Poly Savi 8245 DECT 1880-1900 MHz USB-A Headset | 8D3F4AA#ABB,8D3F4AA#ABG,8D3F4AA#UUF |
| Poly Savi 8410 Monaural DECT 1880-1900 MHz Headset | 8L5A7AA#ABB,8L5A7AA#ABG,8L5A7AA#UUF |
| Poly Savi 8410 Monaural DECT 1880-1900 MHz Headset | 8L5A9AA#ABB,8L5A9AA#ABG,8 |

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| | L5A9AA#UUF |
| Poly Savi 8410 Monaural DECT 1920-1930 MHz Headset | 8L7E6AA#ABA |
| Poly Savi 8410 Monaural DECT 1920-1930 MHz Headset | 8L7E9AA#ABA |
| Poly Savi 8420 Stereo DECT 1880-1900 MHz Headset | 8L5B2AA#ABB,8L5B2AA#ABG,8L5B2AA#UUF |
| Poly Savi 8420 Stereo DECT 1880-1900 MHz Headset | 8L5B3AA#ABB,8L5B3AA#ABG,8L5B3AA#UUF |
| Poly Savi 8420 Stereo DECT 1920-1930 MHz Headset | 8L7F2AA#ABA |
| Poly Savi 8420 Stereo DECT 1920-1930 MHz Headset | 8L7F5AA#ABA |
| Poly Savi 8445 DECT 1880-1900 MHz Convertible Headset | 8L5B4AA#ABB,8L5B4AA#ABG,8L5B4AA#UUF |
| Poly Savi 8445 DECT 1880-1900 MHz Convertible Headset | 8L5B6AA#ABB,8L5B6AA#ABG,8L5B6AA#UUF |
| Poly Savi 8445 DECT 1920-1930 MHz Convertible Headset | 8L7F1AA#ABA |
| Poly Savi 8445 DECT 1920-1930 MHz Convertible Headset | 8L7F7AA#ABA |
| Poly Savi 8445 DECT 1920-1930 MHz Convertible Headset | 8L7F8AA#ABA |
| Poly Voyager 4310 Headset | 77Y93AA |
| Poly Voyager 4310 Monaural Headset | 77Y92AA |
| Poly Voyager 4310 USB-A Headset | 76U48AA |
| Poly Voyager 4310 USB-A Headset | 77Y91AA |
| Poly Voyager 4310 USB-C Headset | 77Y94AA |
| Poly Voyager 4310 USB-C Headset | 77Y95AA |
| Poly Voyager 4310 USB-C Headset | 77Y96AA |
| Poly Voyager 4310-M USB-C Headset | 77Y97AA |
| Poly Voyager 4320 Headset | 77Z00AA |
| Poly Voyager 4320 Stereo USB-A Headset | 77Y99AA |
| Poly Voyager 4320 USB-A Headset | 76U49AA |
| Poly Voyager 4320 USB-A Headset | 77Y98AA |
| Poly Voyager 4320 USB-C Headset | 76U50AA |
| Poly Voyager 4320 USB-C Headset | 77Z30AA |
| Poly Voyager 4320 USB-C Headset | 77Z31AA |
| Poly Voyager 4320-M Headset | 77Z32AA |
| Poly Voyager Surround 80 USB-C Headset | 8G7T9AA |

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| | Poly Voyager Surround 80 USB-C Headset | 8G7U0AA |
| | Poly Voyager Surround 85 USB-C Headset | 8G7T7AA |
| | Poly Voyager Surround 85 USB-C Headset | 8G7T8AA |
| **Audio - Speaker phone** | Poly Sync 10 Speakerphone | 77P34AA |
| | Poly Sync 20 Speakerphone USB-C/A Adapter | B95VJUT#ABB,B95VJUT#AC3 |
| | Poly Sync 20+ Speakerphone USB-C/A Adapter | B95VKAA#ABB,B95VKAA#AC3 |
| | Poly Sync 20+M Speakerphone USB-C/A Adapter | B95VLAA#ABB,B95VLAA#AC3 |
| | Poly Sync 20-M Speakerphone USB-C/A Adapter | B95VMUT#ABB,B95VMUT#AC3 |
| | Poly Sync 60 Speakerphone | 772C2AA |
| | Poly Sync 60 Speakerphone | 77P41AA |
| | Poly Sync USB-A USB-C 10 Speakerphone | 772C3AA |
| **Cases** | HP Campus Core 16 blue Laptop Backpack | B9RB4AA#ACJ |
| | HP Campus Core 16 green Laptop Backpack | B9RB5AA#ACJ |
| | HP Campus XL Marble Stone Backpack | 7K0E2AA |
| | HP Campus XL Tie Dye Backpack | 7K0E3AA |
| | HP Convertible Laptop Stand | 9C2H2AA |
| | HP Everyday 16 odyssey gray Laptop Backpack | A08KLUT |
| | HP Everyday 16 odyssey gray Laptop Bag | A08KKAA |
| | HP Everyday 16 odyssey gray Laptop Briefcase | A08KHUT |
| | HP Modern 16-inch moonless Night Laptop Briefcase | CJ8D2AA#ABB |
| | HP Modern 16-inch navy blazer Laptop Briefcase | CJ8F9AA#ABA |
| | HP Protective 15-16 atmospheric blue Laptop Sleeve | C40BPUT#ABA,C40BPUT#ABB, C40BPUT#UUF |
| | HP Protective 15-16 meteor silver Laptop Sleeve | C40BQUT#ABB |
| | HP Renew Business 17.3 Laptop Backpack | 3E2U5UT |
| | HP Renew Business 17.3 Laptop Bag | 3E2U6UT |
| | HP Renew Executive 16 Laptop Backpack | 6B8Y1UT |
| | HP Renew Executive 16 Laptop Bag | 6B8Y2AA |
| | HP Travel Plus 22 Liter 16 Laptop Bag | A2CE1AA |
| | HP Travel Plus 30 Liter 17 Laptop Backpack | A2CE0AA |
| **Commodity** | HP 16-inch Widescreen Laptop Privacy Filter | BH0M5AA |
| | HP Combination Nano Cable Lock | 63B28AA |
| | HP Essential Combination Nano Cable Lock | 63B31AA |

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| | HP Nano Keyed Cable Lock | 1AJ39AA |
| | HP Nano Master Keyed Cable Lock | 1AJ40AA |
| | HP SureKey Standard/Nano/Wedge Cable Lock | 6UW42AA |
| | HP Universal Keyed Cable Lock | C6CQ2AA |
| | HP Universal Resettable Combination Cable Lock | C6CQ3AA |
| **Docking** | HP Thunderbolt™ 180W G6 Dock | 9X481AA#AB0,9X481AA#AB1,9X481AA#AB2,9X481AA#ABA,9X481AA#ABB,9X481AA#ABG,9X481AA#ABJ,9X481AA#ABM,9X481AA#ABT,9X481AA#ABU,9X481AA#ABY,9X481AA#ABZ,9X481AA#AC4,9X481AA#AC8,9X481AA#ACJ,9X481AA#ACQ,9X481AA#UUF,9X481AA#UUZ,9X481UT#AB0,9X481UT#AB1,9X481UT#AB2,9X481UT#ABA,9X481UT#ABB,9X481UT#ABG,9X481UT#ABJ,9X481UT#ABM,9X481UT#ABT,9X481UT#ABU,9X481UT#ABY,9X481UT#ABZ,9X481UT#AC4,9X481UT#AC8,9X481UT#ACJ,9X481UT#ACQ,9X481UT#AR6,9X481UT#UUF,9X481UT#UUZ |
| | HP Thunderbolt™ 280W G6 Dock | AW5L5AA#AB0,AW5L5AA#AB1,AW5L5AA#AB2,AW5L5AA#ABA,AW5L5AA#ABB,AW5L5AA#ABG,AW5L5AA#ABJ,AW5L5AA#ABM,AW5L5AA#ABT,AW5L5AA#ABU,AW5L5AA#ABY,AW5L5AA#ABZ,AW5L5AA#AC4,AW5L5AA#AC8,AW5L5AA#ACJ,AW5L5AA#ACQ,AW5L5AA#UUF,AW5L5AA#UUZ,AW5M5UT#AB0,AW5M5UT#AB1 |

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| | | ,AW5M5UT#AB2,AW5M5UT#ABA,AW5M5UT#ABB,AW5M5UT#ABG,AW5M5UT#ABJ,AW5M5UT#ABM,AW5M5UT#ABT,AW5M5UT#ABU,AW5M5UT#ABY,AW5M5UT#ABZ,AW5M5UT#AC4,AW5M5UT#AC8,AW5M5UT#ACJ,AW5M5UT#ACQ,AW5M5UT#AR6,AW5M5UT#UUF,AW5M5UT#UUZ |
| **Hub** | HP Portable USB-C Hub | B8SU8UT |
| | HP USB-C to USB-A Hub | Z6A00AA |
| **Keyboard** | HP 125 G2 Wired Keyboard | AY2Y7AA#A2M,AY2Y7AA#A2Q,AY2Y7AA#AB0,AY2Y7AA#AB1,AY2Y7AA#AB2,AY2Y7AA#AB4,AY2Y7AA#AB6,AY2Y7AA#AB7,AY2Y7AA#AB8,AY2Y7AA#AB9,AY2Y7AA#ABA,AY2Y7AA#ABB,AY2Y7AA#ABC,AY2Y7AA#ABD,AY2Y7AA#ABE,AY2Y7AA#ABF,AY2Y7AA#ABJ,AY2Y7AA#ABM,AY2Y7AA#ABT,AY2Y7AA#ABU,AY2Y7AA#ABV,AY2Y7AA#ABZ,AY2Y7AA#AC0,AY2Y7AA#AC3,AY2Y7AA#AC4,AY2Y7AA#ACB,AY2Y7AA#ACH,AY2Y7AA#ACJ,AY2Y7AA#AK4,AY2Y7AA#AKC,AY2Y7AA#AKE,AY2Y7AA#AKL,AY2Y7AA#AKS,AY2Y7AA#AR4,AY2Y7AA#ARK,AY2Y7AA#B15,AY2Y7AA#BCM,AY2Y7AA#BED,AY2Y7AA#UUF,AY2Y7AA#UUW,AY2Y7AA#UUZ |
| | HP 225 Wireless Keyboard | 805T1AA#A2M,805T1AA#A2Q,805T1AA#AB6,805T1AA#AB7,8 |

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| | 05T1AA#AB8,805T1AA#AB9,805T1AA#ABA,805T1AA#ABB,805T1AA#ABD,805T1AA#ABE,805T1AA#ABF,805T1AA#ABT,805T1AA#ABU,805T1AA#ABV,805T1AA#ABZ,805T1AA#AC0,805T1AA#AC3,805T1AA#ACB,805T1AA#ACQ,805T1AA#AKC,805T1AA#AKE,805T1AA#AKQ,805T1AA#AKS,805T1AA#AR4,805T1AA#ARK,805T1AA#B15,805T1AA#BCM,805T1AA#BED,805T1AA#UUW,805T1AA#UUZ |
| HP 320K G2 Wired Keyboard | 9SR37UT#A2M,9SR37UT#A2Q,9SR37UT#AB0,9SR37UT#AB1,9SR37UT#AB2,9SR37UT#AB4,9SR37UT#AB6,9SR37UT#AB7,9SR37UT#AB8,9SR37UT#AB9,9SR37UT#ABA,9SR37UT#ABB,9SR37UT#ABC,9SR37UT#ABD,9SR37UT#ABE,9SR37UT#ABF,9SR37UT#ABJ,9SR37UT#ABM,9SR37UT#ABT,9SR37UT#ABU,9SR37UT#ABV,9SR37UT#ABZ,9SR37UT#AC0,9SR37UT#AC3,9SR37UT#AC4,9SR37UT#ACB,9SR37UT#ACH,9SR37UT#ACJ,9SR37UT#AK4,9SR37UT#AKC,9SR37UT#AKE,9SR37UT#AKL,9SR37UT#AKS,9SR37UT#AR4,9SR37UT#ARK,9SR37UT#B15,9SR37UT#BCM,9SR37UT#BED,9SR37UT#UUF,9SR37UT#UUW,9SR37UT#UUZ |

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| HP 405 Backlit Wired Keyboard | 7N7C1AA#A2M,7N7C1AA#A2Q, 7N7C1AA#AB6,7N7C1AA#AB7, 7N7C1AA#AB8,7N7C1AA#AB9, 7N7C1AA#ABA,7N7C1AA#ABB, 7N7C1AA#ABD,7N7C1AA#ABE, 7N7C1AA#ABF,7N7C1AA#ABJ, 7N7C1AA#ABM,7N7C1AA#ABT, 7N7C1AA#ABU,7N7C1AA#ABV, 7N7C1AA#ABY,7N7C1AA#ABZ, 7N7C1AA#AC0,7N7C1AA#ACB, 7N7C1AA#ACQ,7N7C1AA#AKC, 7N7C1AA#AKE,7N7C1AA#AKQ, 7N7C1AA#AKS,7N7C1AA#AR4, 7N7C1AA#ARK,7N7C1AA#B15, 7N7C1AA#BCM,7N7C1AA#BED, 7N7C1AA#UUF,7N7C1AA#UUW, 7N7C1AA#UUZ,7N7C1UT#ABA |
| HP 435 Programmable Wireless Keypad | 7N7C3AA#ABA,7N7C3AA#ABB, 7N7C3AA#UUF |
| HP 475 Dual-Mode Wireless Keyboard | 7N7B9AA#A2M,7N7B9AA#A2Q, 7N7B9AA#AB0,7N7B9AA#AB1, 7N7B9AA#AB2,7N7B9AA#AB4, 7N7B9AA#AB5,7N7B9AA#AB6, 7N7B9AA#AB7,7N7B9AA#AB8, 7N7B9AA#AB9,7N7B9AA#ABA, 7N7B9AA#ABB,7N7B9AA#ABD, 7N7B9AA#ABE,7N7B9AA#ABF,7 N7B9AA#ABH,7N7B9AA#ABJ,7 N7B9AA#ABM,7N7B9AA#ABN,7 N7B9AA#ABS,7N7B9AA#ABT,7 N7B9AA#ABU,7N7B9AA#ABV,7 N7B9AA#ABX,7N7B9AA#ABY,7 N7B9AA#ABZ,7N7B9AA#AC0,7 |

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| | N7B9AA#AC3,7N7B9AA#AC4,7N7B9AA#ACB,7N7B9AA#ACJ,7N7B9AA#ACQ,7N7B9AA#AKB,7N7B9AA#AKC,7N7B9AA#AKD,7N7B9AA#AKE,7N7B9AA#AKL,7N7B9AA#AKQ,7N7B9AA#AKR,7N7B9AA#AKS,7N7B9AA#AR4,7N7B9AA#ARK,7N7B9AA#B13,7N7B9AA#B15,7N7B9AA#BCM,7N7B9AA#BED,7N7B9AA#BH5,7N7B9AA#UUF,7N7B9AA#UUW,7N7B9AA#UUZ,7N7B9UT#ABA |
| HP 485 Comfort Wired Keyboard | 8T6M2AA#A2M,8T6M2AA#A2Q,8T6M2AA#AB6,8T6M2AA#AB7,8T6M2AA#AB8,8T6M2AA#AB9,8T6M2AA#ABA,8T6M2AA#ABB,8T6M2AA#ABD,8T6M2AA#ABE,8T6M2AA#ABF,8T6M2AA#ABM,8T6M2AA#ABT,8T6M2AA#ABU,8T6M2AA#ABV,8T6M2AA#ABZ,8T6M2AA#AC0,8T6M2AA#AC3,8T6M2AA#AC4,8T6M2AA#ACB,8T6M2AA#AKC,8T6M2AA#AKE,8T6M2AA#AKS,8T6M2AA#AR4,8T6M2AA#ARK,8T6M2AA#B15,8T6M2AA#BCM,8T6M2AA#BED,8T6M2AA#UUF,8T6M2AA#UUW,8T6M2AA#UUZ |
| HP 495K Multi-Device Keyboard | BD5F5AA#UUZ,BD5F5UT#A2M,BD5F5UT#A2Q,BD5F5UT#AB6,BD5F5UT#AB7,BD5F5UT#AB8,BD5F5UT#AB9,BD5F5UT#ABB,BD5F5UT#ABD,BD5F5UT#ABE,BD5F |

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| | 5UT#ABF,BD5F5UT#ABJ,BD5F5UT#ABT,BD5F5UT#ABU,BD5F5UT#ABV,BD5F5UT#ABZ,BD5F5UT#AC0,BD5F5UT#AC3,BD5F5UT#ACB,BD5F5UT#AKC,BD5F5UT#AKE,BD5F5UT#AKS,BD5F5UT#AR4,BD5F5UT#ARK,BD5F5UT#B15,BD5F5UT#BCM,BD5F5UT#BED,BD5F5UT#UUF,BD5F5UT#UUW,BD5F5UT#UUZ |
| HP 585K Multi-Device Keyboard with Palm Rest | BD5F7AA#A2M,BD5F7AA#A2Q,BD5F7AA#AB6,BD5F7AA#AB7,BD5F7AA#AB8,BD5F7AA#AB9,BD5F7AA#ABB,BD5F7AA#ABD,BD5F7AA#ABE,BD5F7AA#ABF,BD5F7AA#ABT,BD5F7AA#ABU,BD5F7AA#ABV,BD5F7AA#ABZ,BD5F7AA#AC0,BD5F7AA#AC3,BD5F7AA#ACB,BD5F7AA#AKC,BD5F7AA#AKE,BD5F7AA#AKS,BD5F7AA#AR4,BD5F7AA#ARK,BD5F7AA#B15,BD5F7AA#BCM,BD5F7AA#BED,BD5F7AA#UUW,BD5F7AA#UUZ |
| HP 685 Comfort Dual-Mode Keyboard | 8T6L9UT#A2M,8T6L9UT#A2Q,8T6L9UT#AB6,8T6L9UT#AB7,8T6L9UT#AB8,8T6L9UT#AB9,8T6L9UT#ABA,8T6L9UT#ABB,8T6L9UT#ABD,8T6L9UT#ABE,8T6L9UT#ABF,8T6L9UT#ABM,8T6L9UT#ABT,8T6L9UT#ABU,8T6L9UT#ABV,8T6L9UT#ABZ,8T6L9UT#AC0,8T6L9UT#AC3,8T6L9UT#ACB,8T6L9 |

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| | UT#AKC,8T6L9UT#AKE,8T6L9UT#AKS,8T6L9UT#AR4,8T6L9UT#ARK,8T6L9UT#B15,8T6L9UT#BCM,8T6L9UT#BED,8T6L9UT#UUF,8T6L9UT#UUW,8T6L9UT#UUZ |
| HP 725 Multi-Device Rechargeable Wireless Keyboard | 9T5B2AA#A2M,9T5B2AA#A2Q,9T5B2AA#AB0,9T5B2AA#AB1,9T5B2AA#AB2,9T5B2AA#AB4,9T5B2AA#AB6,9T5B2AA#AB7,9T5B2AA#AB8,9T5B2AA#AB9,9T5B2AA#ABA,9T5B2AA#ABB,9T5B2AA#ABC,9T5B2AA#ABD,9T5B2AA#ABE,9T5B2AA#ABF,9T5B2AA#ABJ,9T5B2AA#ABM,9T5B2AA#ABT,9T5B2AA#ABU,9T5B2AA#ABV,9T5B2AA#ABZ,9T5B2AA#AC0,9T5B2AA#AC3,9T5B2AA#ACB,9T5B2AA#ACJ,9T5B2AA#AKC,9T5B2AA#AKE,9T5B2AA#AKL,9T5B2AA#AKS,9T5B2AA#AR4,9T5B2AA#ARK,9T5B2AA#B15,9T5B2AA#BCM,9T5B2AA#BED,9T5B2AA#UUF,9T5B2AA#UUW,9T5B2AA#UUZ |
| HP 965 black Ergonomic Wireless Keyboard | 7E756AA#A2M,7E756AA#A2Q,7E756AA#AB6,7E756AA#AB7,7E756AA#AB8,7E756AA#AB9,7E756AA#ABA,7E756AA#ABB,7E756AA#ABD,7E756AA#ABE,7E756AA#ABF,7E756AA#ABJ,7E756AA#ABM,7E756AA#ABN,7E756AA#ABS,7E756AA#ABT,7E756AA#ABU,7E756AA#ABV,7E756AA |

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| HP 975 Dual-Mode USB+Bluetooth Wireless Keyboard | #ABX,7E756AA#ABY,7E756AA#ABZ,7E756AA#AC0,7E756AA#ACB,7E756AA#ACQ,7E756AA#AKC,7E756AA#AKE,7E756AA#AKQ,7E756AA#AKR,7E756AA#AKS,7E756AA#AR4,7E756AA#ARK,7E756AA#B15,7E756AA#BCM,7E756AA#BED,7E756AA#UUF,7E756AA#UUW,7E756AA#UUZ<br>3Z726AA#A2M,3Z726AA#A2Q,3Z726AA#AB0,3Z726AA#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# |

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|---|---|---|
| **Keyboard & Mouse Combo** | HP 225 Wired Mouse and Keyboard Combo | UUW,3Z726AA#UUZ |
| | HP 225 Wired Mouse and Keyboard Combo Cashmere White | AX2Y7AA#A2M,AX2Y7AA#A2Q,AX2Y7AA#AB0,AX2Y7AA#AB1,AX2Y7AA#AB2,AX2Y7AA#AB4,AX2Y7AA#AB6,AX2Y7AA#AB7,AX2Y7AA#AB8,AX2Y7AA#AB9,AX2Y7AA#ABA,AX2Y7AA#ABB,AX2Y7AA#ABC,AX2Y7AA#ABD,AX2Y7AA#ABE,AX2Y7AA#ABF,AX2Y7AA#ABJ,AX2Y7AA#ABM,AX2Y7AA#ABT,AX2Y7AA#ABU,AX2Y7AA#ABV,AX2Y7AA#ABZ,AX2Y7AA#AC0,AX2Y7AA#AC3,AX2Y7AA#AC4,AX2Y7AA#ACB,AX2Y7AA#ACH,AX2Y7AA#ACJ,AX2Y7AA#AK4,AX2Y7AA#AKC,AX2Y7AA#AKE,AX2Y7AA#AKL,AX2Y7AA#AKS,AX2Y7AA#AR4,AX2Y7AA#ARK,AX2Y7AA#B15,AX2Y7AA#BCM,AX2Y7AA#BED,AX2Y7AA#UUF,AX2Y7AA#UUW,AX2Y7AA#UUZ |
| | HP 225 Wired Mouse and Keyboard Combo Cashmere White | AW5S6AA#A2M,AW5S6AA#A2Q,AW5S6AA#AB6,AW5S6AA#AB7,AW5S6AA#AB8,AW5S6AA#AB9,AW5S6AA#ABB,AW5S6AA#ABD,AW5S6AA#ABE,AW5S6AA#ABF,AW5S6AA#ABT,AW5S6AA#ABU,AW5S6AA#ABV,AW5S6AA#ABZ,AW5S6AA#AC0,AW5S6AA#AC3,AW5S6AA#ACB,AW5S6AA#AKC,AW5S6AA#AKE,AW5S6AA#AKS,AW5S6AA#AR4,AW5S6AA#ARK,AW5S6AA#B15,AW5S |

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| HP 235 Wireless Mouse and Keyboard Combo | 6AA#BCM,AW5S6AA#BED,AW5S6AA#UUW,AW5S6AA#UUZ Y4D0UT#A2M,1Y4D0UT#A2Q,1Y4D0UT#AB1,1Y4D0UT#AB6,1Y4D0UT#AB7,1Y4D0UT#AB8,1Y4D0UT#AB9,1Y4D0UT#ABA,1Y4D0UT#ABB,1Y4D0UT#ABC,1Y4D0UT#ABD,1Y4D0UT#ABE,1Y4D0UT#ABF,1Y4D0UT#ABH,1Y4D0UT#ABM,1Y4D0UT#ABN,1Y4D0UT#ABS,1Y4D0UT#ABT,1Y4D0UT#ABU,1Y4D0UT#ABV,1Y4D0UT#ABX,1Y4D0UT#ABY,1Y4D0UT#ABZ,1Y4D0UT#AC0,1Y4D0UT#AC3,1Y4D0UT#AC4,1Y4D0UT#ACB,1Y4D0UT#ACQ,1Y4D0UT#AKB,1Y4D0UT#AKC,1Y4D0UT#AKD,1Y4D0UT#AKE,1Y4D0UT#AKQ,1Y4D0UT#AKR,1Y4D0UT#AKS,1Y4D0UT#ARK,1Y4D0UT#B13,1Y4D0UT#B15,1Y4D0UT#B1T,1Y4D0UT#BCM,1Y4D0UT#BED,1Y4D0UT#UUF,1Y4D0UT#UUW,1Y4D0UT#UUZ |
| HP 685 Comfort Dual-Mode Keyboard and Mouse Combo | 8T6L7UT#A2M,8T6L7UT#A2Q,8T6L7UT#AB6,8T6L7UT#AB7,8T6L7UT#AB8,8T6L7UT#AB9,8T6L7UT#ABA,8T6L7UT#ABB,8T6L7UT#ABD,8T6L7UT#ABE,8T6L7UT#ABF,8T6L7UT#ABT,8T6L7UT#ABU,8T6L7UT#ABV,8T6L7UT#ABZ,8T6L7UT#AC0,8T6L7UT#AC3,8T6L7UT#ACB,8T6L7UT#AKC,8T6L7 |

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|---|---|
| | UT#AKE,8T6L7UT#AKS,8T6L7UT#AR4,8T6L7UT#ARK,8T6L7UT#B15,8T6L7UT#BCM,8T6L7UT#BED,8T6L7UT#UUF,8T6L7UT#UUW,8T6L7UT#UUZ |
| HP 725 Multi-Device Rechargeable Wireless Keyboard and Mouse Combo | 9T5B0UT#A2M,9T5B0UT#A2Q,9T5B0UT#AB6,9T5B0UT#AB7,9T5B0UT#AB8,9T5B0UT#AB9,9T5B0UT#ABA,9T5B0UT#ABB,9T5B0UT#ABD,9T5B0UT#ABE,9T5B0UT#ABF,9T5B0UT#ABJ,9T5B0UT#ABT,9T5B0UT#ABU,9T5B0UT#ABV,9T5B0UT#ABZ,9T5B0UT#AC0,9T5B0UT#AC3,9T5B0UT#ACB,9T5B0UT#AKC,9T5B0UT#AKE,9T5B0UT#AKS,9T5B0UT#AR4,9T5B0UT#ARK,9T5B0UT#B15,9T5B0UT#BCM,9T5B0UT#BED,9T5B0UT#UUF,9T5B0UT#UUW,9T5B0UT#UUZ |
| HP Multi-Device Dual-Mode Mouse and Keyboard Combo 495C | BE1Q0UT#A2M,BE1Q0UT#A2Q,BE1Q0UT#AB6,BE1Q0UT#AB7,BE1Q0UT#AB8,BE1Q0UT#AB9,BE1Q0UT#ABA,BE1Q0UT#ABB,BE1Q0UT#ABC,BE1Q0UT#ABD,BE1Q0UT#ABE,BE1Q0UT#ABF,BE1Q0UT#ABJ,BE1Q0UT#ABM,BE1Q0UT#ABT,BE1Q0UT#ABU,BE1Q0UT#ABV,BE1Q0UT#ABZ,BE1Q0UT#AC0,BE1Q0UT#AC3,BE1Q0UT#AC4,BE1Q0UT#ACB,BE1Q0UT#AKC,BE1Q0UT#AKE,BE1Q0UT#AKS,BE1Q0UT#AR4,BE1Q0UT#A |

| | |
|---|---|
| | RK,BE1Q0UT#B15,BE1Q0UT#BCM,BE1Q0UT#BED,BE1Q0UT#UUF,BE1Q0UT#UUW,BE1Q0UT#UUZ |
| HP Multi-Device Dual-Mode Mouse and Keyboard Combo 495C White | BE1M6AA#A2M,BE1M6AA#A2Q,BE1M6AA#AB6,BE1M6AA#AB7,BE1M6AA#AB8,BE1M6AA#AB9,BE1M6AA#ABB,BE1M6AA#ABD,BE1M6AA#ABE,BE1M6AA#ABF,BE1M6AA#ABT,BE1M6AA#ABU,BE1M6AA#ABV,BE1M6AA#ABZ,BE1M6AA#AC0,BE1M6AA#AC3,BE1M6AA#ACB,BE1M6AA#AKC,BE1M6AA#AKE,BE1M6AA#AKS,BE1M6AA#AR4,BE1M6AA#ARK,BE1M6AA#B15,BE1M6AA#BCM,BE1M6AA#BED,BE1M6AA#UUG,BE1M6AA#UUW,BE1M6AA#UUZ |
| HP Multi-Device Dual-Mode Mouse and Keyboard Combo with Palm Rest 585C | BD5F3AA#A2M,BD5F3AA#A2Q,BD5F3AA#AB6,BD5F3AA#AB7,BD5F3AA#AB8,BD5F3AA#AB9,BD5F3AA#ABB,BD5F3AA#ABD,BD5F3AA#ABE,BD5F3AA#ABF,BD5F3AA#ABJ,BD5F3AA#ABT,BD5F3AA#ABU,BD5F3AA#ABV,BD5F3AA#ABZ,BD5F3AA#AC0,BD5F3AA#AC3,BD5F3AA#ACB,BD5F3AA#AKC,BD5F3AA#AKE,BD5F3AA#AKS,BD5F3AA#AR4,BD5F3AA#ARK,BD5F3AA#B15,BD5F3AA#BCM,BD5F3AA#BED,BD5F3AA#UUF,BD5F3AA#UUW,BD5F3AA#UUZ |

| | | |
|---|---|---|
| | HP Wired Desktop 320MK Mouse and Keyboard | 9SR36UT#A2M,9SR36UT#A2Q,9SR36UT#AB0,9SR36UT#AB1,9SR36UT#AB2,9SR36UT#AB4,9SR36UT#AB6,9SR36UT#AB7,9SR36UT#AB8,9SR36UT#AB9,9SR36UT#ABA,9SR36UT#ABB,9SR36UT#ABC,9SR36UT#ABD,9SR36UT#ABE,9SR36UT#ABF,9SR36UT#ABJ,9SR36UT#ABM,9SR36UT#ABT,9SR36UT#ABU,9SR36UT#ABV,9SR36UT#ABZ,9SR36UT#AC0,9SR36UT#AC3,9SR36UT#AC4,9SR36UT#ACB,9SR36UT#ACH,9SR36UT#ACJ,9SR36UT#AK4,9SR36UT#AKC,9SR36UT#AKE,9SR36UT#AKL,9SR36UT#AKS,9SR36UT#AR4,9SR36UT#ARK,9SR36UT#B15,9SR36UT#BCM,9SR36UT#BED,9SR36UT#UUF,9SR36UT#UUW,9SR36UT#UUZ |
| **Mouse** | HP 105 Mouse Pad | 8X595AA |
| | HP 125 Wired Mouse | 265A9UT |
| | HP 128 Laser Wired Mouse | 265D9AA |
| | HP 205 Desk Mat | 8X597AA |
| | HP 235 Slim Wireless Mouse | 4E407UT#AB2,4E407UT#ABL,4E407UT#ABM,4E407UT#AC3,4E407UT#ACJ,4E407UT#UUF |
| | HP 245 Black Bluetooth Mouse | 81S67AA#ABB,81S67AA#UUF,81S67UT#UUF |
| | HP 255 Dual Wireless Mouse | 8R3U1AA#UUF,8R3U1UT#ABA,8R3U1UT#ABB,8R3U1UT#ACJ,8R3U1UT#UUF |
| | HP 285 Silent Wireless Mouse | 6G4E6AA#ABB,6G4E6AA#ABL,6 |

| | | |
|---|---|---|
| | | G4E6AA#ABM,6G4E6AA#UUF |
| | HP 320M Wired Mouse | 9VA80AA#ABA,9VA80AA#AC3, 9VA80AA#AK4,9VA80AA#UUF |
| | HP 405 Quiet Black Wireless Mouse | AZ7B3AA#ABA,AZ7B3AA#ABB, AZ7B3AA#UUF |
| | HP 425 Programmable Wireless Mouse | 7M1D5AA#ABA,7M1D5AA#ABB, 7M1D5AA#UUF |
| | HP 435 Multi-Device Wireless Mouse | 3B4Q5UT#ABA,3B4Q5UT#AC3, 3B4Q5UT#UUF |
| | HP 515 Ultra-Fast Rechargeable Wireless Mouse | 9C2F7AA#ABA,9C2F7AA#ABB,9 C2F7AA#UUF |
| | HP 685 Comfort Dual-Mode Mouse | 8T6M0UT#ABA,8T6M0UT#ABB, 8T6M0UT#UUF |
| | HP 695 Qi-Charging Wireless Mouse | 8F1Y4AA#ABB |
| | HP 705 Rechargeable Wireless Mouse | AZ7B1AA#ABA,AZ7B1AA#ABB, AZ7B1AA#UUF |
| | HP 715 Rechargeable Multi-Device Bluetooth Mouse | 6E6F0AA#ABB,6E6F0AA#ABL,6 E6F0AA#AC3,6E6F0AA#UUF,6E 6F0UT#ABL |
| | HP 925 Ergonomic Vertical Wireless Mouse | 6H1A5AA#ABA,6H1A5AA#ABB, 6H1A5AA#ABL,6H1A5AA#UUF |
| | HP Tilt Ergonomic Mouse 725M | BH0Z5AA#ABA,BH0Z5AA#ABB, BH0Z5AA#UUF |
| | HP Travel USB Mouse | G1K28AA#ABA,G1K28AA#ABB, G1K28AA#UUF |
| | HP Ultra-Fast Scroll Wireless Mouse 785M | B8YX4AA#ABA,B8YX4AA#ABB, B8YX4AA#UUF |
| **Power** | HP 140W USB-C Laptop Charger | B7NK0AA#AB0,B7NK0AA#AB1, B7NK0AA#AB2,B7NK0AA#ABA, B7NK0AA#ABB,B7NK0AA#ABG, B7NK0AA#ABJ,B7NK0AA#ABM, B7NK0AA#ABT,B7NK0AA#ABU, B7NK0AA#ABY,B7NK0AA#ABZ, |

B7NK0AA#AC4,B7NK0AA#AC8,
B7NK0AA#ACJ,B7NK0AA#ACQ,
B7NK0AA#AKH,B7NK0AA#AR6,
B7NK0AA#UUF,B7NK0AA#UUZ

## CHANGELOG

| Date of change | Version History | | Description of change |
|---|---|---|---|
| September 18, 2026 | V1 to V2 | Updated | Memory Section |
| September 22, 2026 | V2 to V3 | Updated | Display Section |
| October 7, 2026 | V3 to V4 | Updated | Environmental Data |
| November 4, 2026 | V4 to V5 | Updated | Power Section |

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