

HP EliteBook X G1a 14 inch Notebook Next Gen AI PC



Front

- | | | | |
|---|-------------------------|---|-----------|
| 1 | Internal Microphone (2) | 5 | IR Camera |
| 2 | Webcam LED | 6 | IR LED |
| 3 | Webcam | 7 | Speakers |
| 4 | Camera Shutter | 8 | Touchpad |



| Sides | | | |
|-------|---|----|---|
| 1 | HDMI 2.1 | 7 | Speakers |
| 2 | USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1) | 8 | Power Indicator LED |
| 3 | Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1)¹ | 9 | Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1)¹ |
| 4 | Power Indicator LED | 10 | USB Type-A 10Gbps signaling rate (Powered) |
| 5 | Headphone/mic combo jack | 11 | Security lock slot |
| 6 | Speakers | | |

1. SuperSpeed USB 20Gbps signaling rate is not available with Thunderbolt™ 4.

PRODUCT NAME

HP EliteBook X G1a 14 inch Notebook Next Gen AI PC

OPERATING SYSTEMS

Preinstalled

FreeDOS

Windows 11 Home - HP recommends Windows 11 Pro for business ²

Windows 11 Home Single Language - HP recommends Windows 11 Pro for business ²

Windows 11 Pro (Windows 11 Enterprise available with a Volume Licensing Agreement) ²

Windows 11 Pro ²

2. 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 ^{3,4,5,6,7} | Cores | Threads | L3 Cache | Max Boost Frequency ⁵ | Base Frequency | NPU |
|--------------------------------|----------|---------|----------|----------------------------------|----------------|---------|
| AMD Ryzen™ AI 5 340 | 6 cores | 12 | 16 MB | 4.8 GHz | 2.0 GHz | 50 TOPS |
| AMD Ryzen™ AI 5 PRO 340 | 6 cores | 12 | 16 MB | 4.8 GHz | 2.0 GHz | 50 TOPS |
| AMD Ryzen™ AI 7 PRO 360 | 8 cores | 16 | 16 MB | 5.0 GHz | 2.0 GHz | 50 TOPS |
| AMD Ryzen™ AI 9 HX PRO 375 | 12 cores | 24 | 24 MB | 5.1 GHz | 2.0 GHz | 55 TOPS |

- Processor Family**
- AMD Ryzen™ AI 5 processor
 - AMD Ryzen™ AI 5 PRO processor
 - AMD Ryzen™ AI 7 PRO processor
 - AMD Ryzen™ AI 9 PRO processor

3. 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. AMD's numbering is not a measurement of clock speed.

4. Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.

5. Max Boost clock frequency performance varies depending on hardware, software and overall system configuration.

6. 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>.

7. Features and software that require a NPU may require software purchase, subscription or enablement by a software or platform provider, and third party software may have specific configuration or compatibility requirements. Performance varies by use, configuration, and other factors

GRAPHICS

Integrated

AMD Radeon™ Graphics

Supported Protocols

UMA: Support HD decode, DX12, HDMI 2.1, HDCP 2.3

Displays supported (including Internal display; dock may be required)

Up to 4



DISPLAY

Non-Touch

35.6 cm (14") diagonal, WUXGA (1920 x 1200), LCD, UWVA, Anti-Glare, 400 nits, sRGB 100% ⁸

Touch

35.6 cm (14") diagonal, 3K (2880 x 1800), OLED, UWVA, Touch, 120Hz (VRR), BrightView, OLED + Low Blue Light, 400 nits, DCI-P3 100% ^{8,9}

Display Size (Diagonal)

35.6 cm (14.0")

Screen to Body Ratio

Up to 90.84%

Aspect Ratio

16:10

Max Hinge Open Angle

157±3°

8. Resolutions are dependent upon monitor capability, and resolution and color depth settings.

9. Actual brightness will be lower with touchscreen.

DOCKING (SOLD SEPARATELY)

| | |
|---|---|
| Docking station model #1 | HP Thunderbolt 4 100W G6 Dock |
| Total number of supported displays (incl. the notebook display) | 4 |
| Max. resolutions supported | (4) 4K @60Hz* (2) 4K @ 120Hz* (3) QHD @ 120Hz* (1) QHD @ 360Hz* |
| Dock Connectors | 1x HDMI 2.1, 2x DisplayPort 1.4, 1x Thunderbolt 4 |
| HP Quick Connect Support | Yes |
| Technical limitations | <p>HP Quick Connect is supported on this platform.</p> <p>*Requires DisplayPort 1.4 support with Display Stream Compression (DSC). Bluetooth required for HP Quick Connect. HP Quick Connect available on select HP notebooks. Maximum resolution and display support is dependent on the maximum capability of the notebook.</p> <p>Maximum of (4) displays with maximum resolution of 5K@ 30Hz running</p> <p>Thunderbolt Hosts: Maximum resolution possible is dual 8K displays @ 60Hz running Thunderbolt host or running a non-Thunderbolt host in high resolution mode @30Hz Non-Thunderbolt hosts: The highest resolution for dual displays running a non-Thunderbolt host in multi-function mode is (1) 5K dual cable (using both DP ports) +(1) 4K on USB-C DP port Non-Thunderbolt hosts support (3) displays with a maximum resolution of (2) 5K single cable + (1) 4K UHD @ 60 Hz in high resolution mode. In multi-function mode the maximum resolution for (3) displays is (2) 5K single cable @ 30Hz + (1) 4K UHD @ 30Hz.</p> |
| Docking station model #2 | HP Thunderbolt 120W G4 Dock |
| Total number of supported displays (incl.the notebook) display) | 4 |
| Max.resolutions supported | Quad 4K @60Hz Dual 8K single cable@30 for Thunderbolt hosts or USB-C hosts DisplayPort 1.4 with Display Stream Compression in High-Resolution Mode |
| Dock Connectors | 2x HDMI 2.0, 2x DisplayPort® 1.4, 1x Thunderbolt® 4, 1x USB Type-C® 3.2 Gen 2 DisplayPort® |
| Technical limitations | <p>Maximum resolution and display support is dependent on the maximum capability of the notebook.</p> <p>Thunderbolt Hosts: Maximum of (4) displays with maximum resolution of 5K@ 30Hz running Thunderbolt host.</p> |



Maximum resolution possible is dual 8K displays @ 60Hz running Thunderbolt host or running a non-Thunderbolt host in high resolution mode @30Hz

Non-Thunderbolt hosts:
The highest resolution for dual displays running a non-Thunderbolt host in multi-function mode is
(1) 5K dual cable (using both DP ports) + (1) 4K on USB-C DP port

Non-Thunderbolt hosts support (3) displays with a maximum resolution of (2) 5K single cable + (1) 4K UHD @ 60 Hz in high resolution mode. In multi-function mode the maximum resolution for (3) displays is (2) 5K single cable @ 30Hz + (1) 4K UHD @ 30Hz.

HP USB-C Dock G5
3

Multi-Function Mode: (2) 5k @ 30Hz and (1) 4k UHD @ 30Hz on any port
High-Resolution Mode: (2) 5k @ 60Hz on DisplayPort ports and (1) 4k UHD @ 60Hz on HDMI port
1x HDMI 2.0, 2x DisplayPort® 1.4

Maximum resolution and display support is dependent on the maximum capability of the notebook.

Highest resolution with dual displays is two 8K@ 60Hz host in High Resolution mode. Three maximum displays supported are two 5K@ 30 Hz on DP ports plus one 4K UHD@ 30 Hz on HDMI in Multi-function mode
The highest resolution for a non-Thunderbolt host in Multi-function mode is a single 5K dual cable (using both DP ports) + (1) 4K on HDMI port.

Docking station model #3
Total number of supported displays (incl.the notebook)
display)
Max.resolutions supported

Dock Connectors
Technical limitations



STORAGE AND DRIVES

Primary Storage

2 TB PCIe® Gen4x4 NVMe™ SSD Three Layer Cell ¹⁰

1 TB PCIe® Gen4x4 NVMe™ SSD Three Layer Cell ¹⁰

512 GB PCIe® Gen4x4 NVMe™ SSD Three Layer Cell ¹⁰

512 GB PCIe® Gen4x4 NVMe™ Self Encrypted OPAL2 SSD Three Layer Cell ¹⁰

256 GB PCIe® NVMe™ SSD Value ¹⁰

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



MEMORY

Maximum Memory

64GB LPDDR5X-8533 MT/s

Memory

64GB LPDDR5X-8533 MT/s

32GB LPDDR5X-8533 MT/s

16GB LPDDR5X-8533 MT/s

Memory Slots

No memory slots.

Memory soldered down.

System runs at 8000 MT/s

Supports Dual Channel Memory

The memory is non-accessible / non-upgradeable.



NETWORKING /COMMUNICATIONS

WLAN

MediaTek Wi-Fi 7 MT7925 (2x2) and Bluetooth® 5.4 wireless card with external antenna ^{11,12}

NFC

NFC Mirage WNC XRAV-1 (optional)

Miracast

Native Miracast Support ¹³

11. 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 Intel® 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. The specification for 802.11BE is a draft specification and is not final. If the final specification differs from the draft specification, it may affect the ability of the device to communicate with other 802.11BE devices.

12. Wi-Fi 7 availability starting from Summer/Fall, 2024

13. 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

Speaker Power

1W / 8 ohm per speaker

Camera

5MP camera with Image Signal Processing (ISP) and AI Presence Detection, IR camera

Sensors

Accelerometer

Fingerprint Sensor (optional)

Hall Effect Sensor

HP Sure Platform

HP Tamper Lock ¹⁴

Thermal Sensor

14. HP Tamper Lock must be enabled by the customer or your administrator.



KEYBOARDS/POINTING DEVICES/BUTTONS & FUNCTION KEYS

Keyboard

HP Premium Keyboard, spill-resistant, backlit keyboard.

Pointing Device

Clickpad

Microsoft Precision Touchpad Default Gestures Support

Multi-touch gesture support, Taps enabled as default, with image sensor and glass surface

Function Keys

ESC - System information

F1 - Display Switching

F2 - Blank

F3 - Brightness Down

F4 - Brightness Up

F5 - Keyboard Backlight

F6 - Audio Mute

F7 - Volume Down

F8 - Volume Up

F9 - Mic Mute

F10 - Play and Pause

F11 - Programmable Key

F12 - HOME

End

Insert

Delete

Power Button (with LED) - integrated with Fingerprint sensor (optional)

Microsoft Copilot ¹⁵

Hidden Function Keys

Fn + R - Break

Fn + S - Sys Rq

Fn + C - Scroll Lock

Fn + E - Insert

Fn + W - Pause

¹⁵. Requires Windows 11 and an NPU. Timing of feature delivery and availability varies by market and device. Requires Microsoft account to log in. Where Copilot in Windows is not available, the Copilot key will lead to the Bing search engine. See

<http://aka.ms/WindowsAIFeatures>



SOFTWARE AND SECURITY

Application Software

Buy Microsoft Office (sold separately)
HP Connection Optimizer
Edge Customization
HP AI Companion
HP Hotkey Support
HP Mac Address Manager
HP Notifications
HP PC Hardware Diagnostics UEFI
HP PC Hardware Diagnostics Windows
HP Privacy Settings
HP Services Scan for Commercial
HP Smart Support ¹⁶
HP Support Assistant ¹⁷
myHP
HSA Fusion for Commercial
HSA Telemetry for Commercial
Poly Camera Pro
Poly Lens ¹⁸

Manageability Features

HP Client Catalog (download) ¹⁹
HP Client Management Script Library (download) ²⁰
HP Cloud Recovery ²¹
HP Connect for Microsoft Endpoint Manager
HP Driver Packs (download) ²²
HP Image Assistant (download) ²³
HP Manageability Integration Kit (download) ²⁴
HP Power Manager with Battery Health Manager (download) ²⁵

Security Management

Secured-Core PC Enable ²⁶
Windows Hello Enhanced Sign-In Security (ESS)
HP Wolf Security of Business ²⁷ includes:
HP Sure Admin ²⁸
HP Sure Click ²⁹
HP Sure Recover ³⁰
HP Sure Run ³¹
HP Sure Sense ³²
HP Sure Start ³³
HP Tamper Lock



Security- TPM

Model: Nuvoton NPCT760HACYX

Firmware Version: FW 7.2.4.0

TCG TPM 2.0

FIPS 140-2 Compliant: Yes

BIOS

Absolute Persistence Module³⁴

Audio Permanent Disable

BIOS Update via Network

HP Bios Recovery

HP BIOSphere Gen6³⁵

HP DriveLock & Automatic DriveLock

HP Fingerprint Sensor³⁶

HP Secure Erase³⁷

HP Wake on WLAN

TPM

IPv6 Support

Yes

FirstNet Certified

No

Does the BIOS implement the ISO/IEC 19678:2015 (formerly NIST 800-147) guidelines? Yes

UEFI version: 2.7

Class: 3

16. HP Smart Support requires the HP Insights agent to be installed. For more information about how to enable or to download HP Smart Support, please visit <http://www.hp.com/smart-support>. HP Services Scan is preinstalled and/or provided thru Windows Update and will check entitlement on each hardware device to determine if an HP Insights agent-enabled service has been purchased, and will download applicable software automatically. HP Insights agent is a telemetry and analytics platform that provides critical data around devices and applications and is not sold as a standalone service. HP follows stringent GDPR privacy regulations and is ISO27001, ISO27701, ISO27017 and SOC2 Type2 certified for Information Security. Internet access is required. For full system requirements or to disable this feature, please visit <http://www.hpdaas.com/requirements>.

17. HP Support Assistant is available on Windows. For more information, please visit <http://www.support.hp.com/help/hp-support-assistant>

18. Poly Lens Desktop requires a Windows OS

19. HP Client Catalog not preinstalled, however available for download at <https://www.hp.com/us-en/solutions/client-management-solutions.html>

20. HP Client Management Script Library can be downloaded from <https://www.hp.com/us-en/solutions/client-management-solutions.html>



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21. 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/computer>.
 22. HP Driver Packs not preinstalled, however available for download at <https://support.hp.com/us-en/search?q=driver%20packs>
 23. HP Image Assistant not preinstalled, however available for download at <https://ftp.ext.hp.com/pub/caps-softpaq/cmit/HPIA.html>
 24. HP Manageability Integration Kit not presintalled, however available for downloaded from <https://www.hp.com/us-en/solutions/client-management-solutions.html#tab=manageability-tools>
 25. HP Power Manager with Battery Health can be downloaded by entering your system information here: https://support.hp.com/us-en/document/ish_4449597-3519507-16
 26. 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.
 27. HP Wolf Security for Business requires Windows 10 or 11 Pro or higher, includes various HP security features and is available on HP Pro, Elite, RPOS and Workstation products. See product details for included security features.
 28. 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 smartphone app from the Android or Apple store
 29. HP Sure Click requires Windows 10 and higher. See https://bit.ly/2PrLT6A_SureClick for complete details.
 30. 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. HP Sure Recover Gen6 with Embedded Reimaging is an optional feature on select HP PCs which requires Windows 10 or 11 must be configured at purchase. You must back up important files, data, photos, videos, etc. before use to avoid loss of data.
 31. HP Sure Run is available on select HP PCs and requires Windows 10 and higher.
 32. HP Sure Sense requires Windows 10 and higher. See product specifications for availability. On units with WWAN shipping to China, HP Sure Sense is only available via Softpaq download.
 33. HP Sure Start is available on select HP PCs and requires Windows 10 and higher
 34. Absolute 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/>
 35. HP BIOSphere features may vary depending on the platform and configuration
 36. HP Fingerprint Reader is an optional feature that requires Windows 10 or 11 and must be configured at purchase.
 37. HP Secure Erase implements the methods outlined in the National Institute of Standards and Technology Special Publication 800-88r "Clear" sanitation method. HP Secure Erase does not support platforms with Intel® Optane™.
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POWER

Power Supply

HP 140W Slim USB Type-C® AC power adapter (India only)

HP 100W Slim USB Type-C® AC power adapter

Battery

HP XL-Long Life 4 cell, 74.5Whr Polymer ³⁸

Battery Recharge Time

Supports battery HP Fast Charge: approximately 50% in 30 minutes ³⁹

Power Cord

3-wired plug- 1.0m

Battery life

Up to 21 hours with 74.5Whr battery (AMD Ryzen™AI 5 PRO 340, UMA graphic, brightness set to 250nits on a WUXGA 400nits LCD display, 16GB LPDDR5x memory, 256GB SSD) ⁴⁰

Up to 14 hours 30 minutes with 74.5Whr battery (AMD Ryzen™AI 5 PRO 340, UMA graphic, brightness set to 200nits on a 3K OLED 400nits touch display, 16GB LPDDR5x memory, 256GB SSD) ⁴⁰

38. Actual battery Watt-hours (Wh) will vary from design capacity. Battery capacity will naturally decrease with shelf life, time, usage, environment, temperature, system configuration, loaded apps, features, power management settings and other factors.

39. 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.

40. Mobile Mark 25 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.



WEIGHT & DIMENSIONS

Product Weight

Starting at 1.497Kg (3.3 lbs) with 74.50 Wh battery

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

Product Dimensions (w x d x h) ⁴¹

312.20 mm (W) x 214.65 mm (D) x 9.22 mm (front)/ 13.16 mm (rear)

Maximum height 18.3 mm

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](#).

⁴¹. 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.



PORTS/SLOTS

Left side

- 1 x Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1) ⁴²
- 1 x USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1)
- 1 x HDMI 2.1
- 1 x headphone/mic combo jack

Right side

- 1 x Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1) ⁴²
- 1 x USB Type-A 10Gbps signaling rate (Powered)
- 1 x Security lock slot

42. SuperSpeed USB 20Gbps signaling rate is not available with Thunderbolt™ 4.



ENVIRONMENTAL DATA

| | | | |
|--|---|---------------------|---------------------|
| Eco-Label Certifications & declarations | <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"> • IT ECO declaration • US ENERGY STAR® • US Federal Energy Management Program (FEMP) • EPEAT® Gold registered in the United States. See http://www.epeat.net for registration status in your country. • TCO Certified • China Energy Conservation Program (CECP) • China State Environmental Protection Administration (SEPA) • Taiwan Green Mark • Korea Eco-label • Japan PC Green label* | | |
| Sustainable Impact Specifications | <ul style="list-style-type: none"> • Product Carbon Footprint • Ocean-bound plastic in Speaker • 20% post-consumer recycled plastic • 35% recycled metal • Low halogen • Outside Box and corrugated cushions are 100% sustainably sourced and recyclable • Molded Paper Pulp Cushion inside box is 100% sustainably sourced and recyclable. | | |
| System Configuration | <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> | | |
| Energy Consumption (in accordance with US ENERGY STAR® test method) | 115VAC, 60Hz | 230VAC, 50Hz | 100VAC, 50Hz |
| Normal Operation (Short idle) | 4.09 W | 4.39 W | 3.97 W |
| Normal Operation (Long idle) | N/A | N/A | N/A |
| Sleep | 0.76 W | 0.92 W | 0.72 W |
| Off | 0.44 W | 0.45 W | 0.43 W |
| | <p>NOTE: Energy efficiency data listed is for an ENERGY STAR® compliant product if offered within the model family. HP computers marked with the ENERGY STAR® Logo are compliant with the applicable U.S. Environmental Protection Agency (EPA) ENERGY STAR® specifications for computers. If a model family does not offer ENERGY STAR® compliant configurations, then energy efficiency data listed is for a typically configured PC featuring a hard disk drive, a high efficiency power supply, and a Microsoft Windows® operating system.</p> | | |
| Heat Dissipation* | 115VAC, 60Hz | 230VAC, 50Hz | 100VAC, 50Hz |
| Normal Operation (Short idle) | 14 BTU/hr | 15 BTU/hr | 14 BTU/hr |
| Normal Operation (Long idle) | N/A | N/A | N/A |
| Sleep | 3 BTU/hr | 3 BTU/hr | 2 BTU/hr |
| Off | 2 BTU/hr | 2 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 | 2.4 | 23.7 | |
| Fixed Disk – Random writes | N/A | N/A | |
| Optical Drive – Sequential reads | 3.1 | 31.2 | |
| Longevity and Upgrading | This product can be upgraded, possibly extending its useful life by several years. Upgradeable features and/or components contained in the Spare parts are available throughout the warranty period and or for up to “5” years after the end of production. | | |
| Additional Information | <ul style="list-style-type: none">• This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive - 2011/65/EC.• This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive – 2002/96/EC.• This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986).• This product is in compliance with the IEEE 1680 (EPEAT) standard at the Gold level, see www.epeat.net• Plastics parts weighing over 25 grams used in the product are marked per ISO11469 and ISO1043.• This product is 93.7% recycle-able when properly disposed of at end of life. | | |
| Packaging Materials | External: | PAPER/Corrugated | 594 g |
| | | PAPER/Molded Pulp | 228 g |
| | | Paper/paper | 23 g |
| | The plastic packaging material contains at least 80% recycled content. | | |
| | The corrugated paper packaging materials contains at least 0% 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. 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. 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. | | |



| | |
|------------------------|--|
| | To obtain a copy of the HP RoHS Compliance Statement, see HP RoHS position statement . |
| Material Usage | <p>This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=c05998906):</p> <ul style="list-style-type: none"> • Asbestos • Certain Azo Colorants • Certain Brominated Flame Retardants – may not be used as flame retardants in plastics • Cadmium • Chlorinated Hydrocarbons • Chlorinated Paraffins • Bis(2-Ethylhexyl) phthalate (DEHP) • Benzyl butyl phthalate (BBP) • Dibutyl phthalate (DBP) • Diisobutyl phthalate (DIBP) • Formaldehyde • Halogenated Diphenyl Methanes • Lead carbonates and sulfates • Lead and Lead compounds • Mercuric Oxide Batteries • Nickel – finishes must not be used on the external surface designed to be frequently handled or carried by the user. • Ozone Depleting Substances • Polybrominated Biphenyls (PBBs) • Polybrominated Biphenyl Ethers (PBEBs) • Polybrominated Biphenyl Oxides (PBBOs) • Polychlorinated Biphenyl (PCB) • Polychlorinated Terphenyls (PCT) • Polyvinyl Chloride (PVC) – except for wires and cables, and certain retail packaging has been voluntarily removed from most applications. • Radioactive Substances • Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO) |
| Packaging Usage | <p>HP follows these guidelines to decrease the environmental impact of product packaging:</p> <ul style="list-style-type: none"> • Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials. • Eliminate the use of ozone-depleting substances (ODS) in packaging materials. • Design packaging materials for ease of disassembly. • Maximize the use of post-consumer recycled content materials in packaging materials. • Use readily recyclable packaging materials such as paper and corrugated materials. • Reduce size and weight of packages to improve transportation fuel efficiency. |



| | |
|---|--|
| | <ul style="list-style-type: none"> Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards. |
| End-of-life Management and Recycling | <p>HP offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: 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.</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: 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.</p> |
| HP, Inc. Corporate Environmental Information | <p>For more information about HP's commitment to the environment:</p> <p>Sustainable Impact Report https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=c06040843</p> <p>Eco-label certifications https://www.hp.com/us-en/sustainable-impact/document-reports.html#filters_documents_reports-=document_type-type_energy_star,type_epeat,type_tcoISO</p> <p>ISO 14001 certificates: https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=c04777932</p> |
| footnotes | <ul style="list-style-type: none"> Percentage of ocean-bound plastic contained in each component varies by product Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard. External power supplies, WWAN modules, power cords, cables and peripherals excluded. Disclaimer: 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. 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers. Fiber cushions made from 100% recycled wood fiber and organic materials. |

SERVICE AND SUPPORT

1-year warranty and 90 day software limited warranty options depending on country. Batteries have a default one year limited warranty. 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>⁴³

43. 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 | 20.0 V |
| Max Operating Power | UMA < 100 W |

Temperature

| | |
|---------------|---|
| Operating | 0° to 50° C (32° to 122° F) No sustained direct exposure to sunlight, System performance may be reduced above 32°C (89.6°F) |
| Non-operating | -20° to 65° C (-4° to 149° F) No sustained direct exposure to sunlight, 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 |

Planned Industry Standard Certifications

| | |
|--------------------------|--|
| Regulatory Model Number | HSTNS-I001 |
| CSA/UL 62368-1 | Yes |
| ENERGY STAR® | Yes ⁴⁴ |
| FCC/ICES/CISPR/VCCI | Yes |
| CE MARKING | Yes |
| GS Mark | Yes |
| | Related commodity should comply with ISO 9241 Standards. |
| China CCC/SRRC | Yes |
| Taiwan BSMI/NCC | Yes |
| Korea KCC/KC/KES | Yes |
| Ukraine NSoC/TEC | Yes |
| EAEU Compliance | Yes |
| Saudi Arabian Compliance | Yes |
| TCO | Yes |
| EPEAT® | EPEAT® Gold in the United States ⁴⁵ |
| Low Blue Light | Yes |
| WW RoHS | Yes |
| MIL-STD 810H Testing | Yes |
| Eye Comfort | 5 Stars |

44. Configurations of the HP EliteBook X G1a 14 inch Notebook that are ENERGY STAR® qualified are identified as HP EliteBook X G1a 14 inch Notebook PC ENERGY STAR on HP websites and on <http://www.energystar.gov>.

45. 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.

| | | |
|---|----------------------------------|----------------------------|
| 35.6 cm (14") diagonal, 3K (2880 x 1800), OLED, UWVA, Touch, 120Hz (VRR), BrightView, OLED + Low Blue Light, 400 nits, DCI-P3 100% | Dimensions (W x H) | 305.450 x 197.850 mm (max) |
| | Active Area | 301.824 x 188.640 mm (typ) |
| | Weight | 139 g (max) |
| | Diagonal Size | 14.0 inch |
| | Surface Treatment | Bright View |
| | Touch Enabled | Yes |
| | Contrast Ratio | 100,000:1 (typ) |
| | Refresh Rate | 48 ~ 120 Hz (typ) |
| | Brightness | 400 nits ¹ |
| | Pixel Resolution | RGB |
| | Pixel Resolution - Format | 2880 x 1800 (3K) |
| | Aspect Ratio | 16:10 |
| | Backlight | OLED |
| | Color Gamut Coverage | DCI P3 100% |
| | Color Depth | 8 bit + FRC 2 bit |
| | Viewing Angle | UWVA 89/89/89/89 |
| | Low Blue Light | Yes |
| | Power Consumption | 4.42(max) / 4.09(max) |

| | | |
|--|----------------------------------|-------------------------|
| 35.6 cm (14") diagonal, WUXGA (1920 x 1200), LCD, UWVA, Anti-Glare, 400 nits, sRGB 100% | Dimensions (W x H) | 307.550 x 204.860(max) |
| | Active Area | 301.590 x 188.500 (typ) |
| | Weight | 200(max) |
| | Diagonal Size | 14 |
| | Surface Treatment | Anti-Glare |
| | Touch Enabled | No |
| | Contrast Ratio | 1200: 1 (typ) |
| | Refresh Rate | 60 (typ) |
| | Brightness | 400 nits ¹ |
| | Pixel Resolution | RGB |
| | Pixel Resolution - Format | 1920 x 1200 (WUXGA) |
| | Aspect Ratio | 16:10 |
| | Backlight | WLED |
| | Color Gamut Coverage | sRGB 100% |
| | Color Depth | 8 bits |
| | Viewing Angle | UWVA 89/89/89/89 |
| | Low Blue Light | No |
| | Power Consumption | 1.64 (max) / 1.97(max) |

STORAGE

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

| | | |
|---|-------------------------|------------------------|
| 2 TB PCIe® Gen4x4 NVMe™ SSD Three Layer Cell | Form Factor | M.2 2280 |
| | Capacity | 2 TB |
| | NAND Type | TLC |
| | Weight | 9 g (0.02 lb) |
| | Interface | PCIe NVMe Gen4X4 |
| | Sequential Read | 6400 MB/s ±20% |
| | Sequential Write | 5000 MB/s ±20% |
| | Logical Blocks | 4,000,797,360 |
| | Features | Pyrite 2.0; TRIM; L1.2 |

| | | |
|---|-------------------------|------------------------|
| 1 TB PCIe® Gen4x4 NVMe™ SSD Three Layer Cell | Form Factor | M.2 2280 |
| | Capacity | 1 TB |
| | NAND Type | TLC |
| | Weight | 9 g (0.02 lb) |
| | Interface | PCIe NVMe Gen4X4 |
| | Sequential Read | 6400 MB/s ±20% |
| | Sequential Write | 5000 MB/s ±20% |
| | Logical Blocks | 2,000,409,264 |
| | Features | Pyrite 2.0; TRIM; L1.2 |

| | | |
|---|-------------------------|------------------------|
| 512 GB PCIe® Gen4x4 NVMe™ SSD Three Layer Cell | Form Factor | M.2 2280 |
| | Capacity | 512 GB |
| | NAND Type | TLC |
| | Weight | 9 g (0.02 lb) |
| | Interface | PCIe NVMe Gen4X4 |
| | Sequential Read | 6400 MB/s ±20% |
| | Sequential Write | 3500 MB/s ±20% |
| | Logical Blocks | 1,000,215,215 |
| | Features | Pyrite 2.0; TRIM; L1.2 |

| | | |
|---|-------------------------|--------------------------|
| 512GB PCIe® Gen4x4 NVMe™ Self Encrypted OPAL2 SSD Three Layer Cell | Form Factor | M.2 2280 |
| | Capacity | 512 GB |
| | NAND Type | TLC |
| | Weight | 10 g (0.02 lb) |
| | Interface | PCIe NVMe Gen4X4 |
| | Sequential Read | 6400 MB/s ±20% |
| | Sequential Write | 3500 MB/s ±20% |
| | Logical Blocks | 1,000,215,215 |
| | Features | TCG Opal 2.0; TRIM; L1.2 |



| | | |
|------------------------------|------------------|------------------------|
| 256 GB PCIe® NVMe™ SSD Value | Form Factor | M.2 2280 |
| | Capacity | 256 GB |
| | NAND Type | TLC |
| | Weight | 10 g (0.02 lb) |
| | Interface | PCIe NVMe Gen4X4 |
| | Sequential Read | 3100 MB/s ±20% |
| | Sequential Write | 1200 MB/s ±20% |
| | Logical Blocks | 500,118,192 |
| | Features | Pyrite 2.0; TRIM; L1.2 |



NETWORKING / COMMUNICATION

| | | |
|-------------------------|------------------------|---|
| Mediatek MT7925 Wi-Fi 7 | Wireless LAN Standards | IEEE 802.11a |
| Bluetooth® 5.4 AIM-T WW | | IEEE 802.11b |
| WLAN ¹ | | 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 |
| | 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 | OFDM, BPSK, QPSK, CCK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM, 4096-QAM |
| | Security ² | • 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 |

| | |
|--|---|
| | <ul style="list-style-type: none">• WPA3 certification• IEEE 802.11i• WAPI |
| Network Architecture Models | Ad-hoc (Peer to Peer) Infrastructure (Access Point Required) |
| Roaming | IEEE 802.11 compliant roaming between access points |
| Output Power ³ | <ul style="list-style-type: none">• 802.11b, 1Mbps : +17dBm minimum• 802.11g, 6Mbps : +16dBm minimum• 802.11a, 6Mbps : +17dBm minimum• 802.11n, MCS7(HT20) : +14dBm minimum• 802.11n, MCS7(HT40) : +13.5dBm minimum• 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 | <ul style="list-style-type: none">• 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 |
| Receiver Sensitivity ⁴ | 802.11 compliant power saving mode 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 MiniCard |
| Dimensions | Type 1418: 1.67 x 14.0 x 18.0 mm |
| Weight | Type 1418: 1.3g |
| Operating Voltage | 3.3v +/- 9% |
| LED Activity | 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 Technology | |
| Bluetooth Specification | 4.0/4.1/4.2/5.0/5.1/5.2/5.3/5.4 Compliant |
| Frequency Band | 2402 to 2480 MHz |
| Number of Available Channels | Legacy : 0~79 (1 MHz/CH) BLE : 0~39 (2 MHz/CH) |
| Data Rates and Throughput | Legacy : 3 Mbps data rate; throughput up to 2.17 Mbps Bluetooth® Low Energy : 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) |
| 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 Peak (Rx): 230 mW Selective Suspend: 17 mW |
| Bluetooth Software Supported | Microsoft Windows Bluetooth® Software |
| Link Topology | Linux/Chrome OS Bluetooth® Software |
| Power Management | ACPI and PCI Express® compliant power management 802.11 compliant power saving mode |



| | |
|-------------------------------------|---|
| Certifications | FCC (47 CFR) Part 15C, Section 15.247 & 15.249 |
| Power Management | ETS 300 328, ETS 300 826 |
| Certifications | Low Voltage Directive IEC950 |
| | UL, CSA, and CE Mark |
| Bluetooth Profiles Supported | Advanced Audio Distribution Profile (A2DP) |
| | Basic Imaging Profile (BIP)2 |
| | Bluetooth® 4.1 - ESR 5/6/7 Compliance |
| | Bluetooth® 4.2 - ESR 8 Compliance |
| | Bluetooth® 5.2 |
| | Bluetooth® 5.3 |
| | Channel Selection Algo |
| | Compliance to the latest Errata Section 12.3 of BT 5.3 specificationx |
| | ESR 9/10 Compliance |
| | FAX Profile (FAX) |
| | Hands Free Profile (HFP) |
| | Headset Profile (HSP) |
| | Host to Controller Encryption Key Control Enhancements |
| | LE 2Mbps |
| | LE Advertisement Extensions |
| | LE Data Packet Length Extension |
| | LE Dual Mode |
| | LE L2CAP Connection Oriented Channels |
| | LE Link Layer |
| | LE Link Layer Ping |
| | LE Long Range |
| | LE Low Duty Cycle Directed Advertising |
| | LE Privacy 1.2 –Extended Scanner Filter Policies |
| | LE Privacy 1.2 –Link Layer Privacy |
| | LE Secure Connection- Basic/Full |
| | Limited High Duty Cycle Non-Connectable Advertising |
| | Train Nudging & Interlaced Scan |

1. 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 Intel® 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. The specification for 802.11BE is a draft specification and is not final. If the final specification differs from the draft specification, it may affect the ability of the device to communicate with other 802.11BE devices.
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)



| | | |
|-----------------------|--|---|
| NFC Mirage WNC XRAV-1 | Dimensions (L x W x H) | 17.00 x 10.00 x 2.00 mm (0.67 x 0.39 x 0.08 inch) |
| | Chipset | NPC300 |
| | System interface | I2C |
| | NFC RF standards | ISO/IEC 14443 A ISO/IEC 14443 B ISO/IEC 15693 ISO/IEC 18092 ECMA-340 NFCIP-1 Target and Initiator ECMA-320 NFCIP-2 |
| | NFC Forum Support | Type 1, Type 2, Type 3 / Type 4, NFCIP-1 / NFCIP-2 |
| | Reader (PCD-VCD) Mode | ISO/IEC 14443 A ISO/IEC 14443 B ISO/IEC 15693 MIFARE 1K MIFARE 4K MIFARE DESFire FeliCa Jewel and Topaz |
| | Card Emulation (PICC-VICC) Mode | ISO/IEC 14443 A ISO/IEC 14443 B and B' MIFARE FeliCa |
| | Frequency | 13.56 MHz |
| | NFC Modes Supported | Reader/Writer, Peer-to-Peer |
| | Raw RF Data Rates | 106 kbps, 212 kbps, 424 kbps, 848 kbps |
| | Operating temperature | Operating: 0 °C to 70 °C (32 ° to 158 °F) Storage: -20 °C to 125 °C (-4 ° to 257 °F) |
| | Storage temperature | Operating: 10% - 90% Non-Operating: 5% - 95% |
| | Humidity | Operating: 10% - 90% Non-Operating: 5% - 95% |
| | Supply Operating voltage | 4.35 to 5.25 Volts |
| | I/O Voltage | 1.8V or 3.3V |
| | Power Consumption | |
| | (Booster enable, VBAT= 3.3V, VCC_BOOST = 5V) | |
| | Mode | Power Consumption, Typical |
| | Polling | 7.3 mA |
| | Detected Test Tag Type 1 | Total 283.8 mA Net Module 236.8 mA |
| | Detected Test Tag Type 2 | Total 288.8 mA Net Module 241.8 mA |
| | Detected Test Tag Type 3 | Total 287.7 mA Net Module 240.7 mA |



| | |
|--------------------------|--|
| Detected Test Tag Type 4 | Total 282.3 mA |
| Antenna | Net Module 235.3 mA |
| | Antenna connector, 0.5mm pitch, 7 connector FPC. Antenna matching is external to module. |



POWER

| | | |
|---|-------------------------------------|---|
| HP 100W Slim USB Type-C® AC power adapter | Weight (DC Cable Included) | 380 g ± 10 g |
| | Input | 100 - 240 VAC |
| | Input Efficiency | 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 |
| | Input frequency range | 47 ~ 63Hz |
| | Input AC current | Max. 1.6 A at 90 VAC |
| | Output power | 5V/15W 9V/27W 12V/60W 15V/75W 20V/100W |
| | DC output | 5V/9V/12V/15V/20V |
| | Hold-up time | 100% load 5ms at 115 Vac input / 80% load 10ms at 115 Vac input |
| | Output Over Current | 5V/9V/12V/15V<125% max current, 20V<135% max current |
| | Protection | |
| | AC Inlet Type | C6 |
| | DC Cable Connector | USB type C |
| | Connector | C6 |
| | Operating temperature | 0° to 35° C (32° to 95° F) |
| | Non-operating (storage) temperature | -20° to 85° C (-4° to 185° F) |
| | Altitude | 0 to 5,000 m (0 to 16,400 ft) |
| | Humidity | 20% to 95% |
| | Storage Humidity | 10% to 95% |
| | EMI and Safety Certifications | CE Mark - full compliance with LVD and EMC directives Worldwide safety standards - IEC60950-1, IEC 62368-1:2014 and IEC62368-1 : 2018, EN62368-1:2020+A11, UL 62368-1 Agency approvals - C-UL-US, TUV/GS, TUV/PSE, EN55032 Class B, FCC Class B, CISPR32 Class B, CCC, CU(EAC), KCC(Safety+EMC), NOM-001 NYCE, NRcan, NRCS, ISC, SEC, PSB, Argentina S-mark, Australia RCM, BIS, BSMI, UAE, UKCA DoC, Ukraine(CoC+DoC+RoHS+ECO) |
| HP 140W Slim USB Type-C® AC power adapter | Weight | 415 g ± 10 g |
| | Input | 100 - 240 VAC |
| | Input Efficiency | 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 89.00% min at 115 Vac/ 230 Vac @28.00V |



| | |
|---|---|
| Input frequency range | 47 ~ 63 Hz |
| Input AC current | Max. 2.5 A at 90 Vac |
| Output power | 5V/15W 9V/27W 12V/60W 15V/75W 20V/100W 28V/140W |
| DC output | 5V/9V/12V/15V/20V/28V |
| Hold-up time | 100% load 5ms at 115 Vac input/80% load 10ms at 115 Vac input |
| Output current limit | 5V/9V/12V/15V/20V<125% max current, 28V<135% max current |
| AC Inlet Type | C6 |
| DC Cable Connector | USB type C |
| Connector | C6 |
| Operating temperature | 0° to 35° C (32° to 95° F) |
| Non-operating (storage) temperature | -20° to 85° C (-4° to 185° F) |
| Altitude | 0 to 5,000 m(0 to 16,400 ft) |
| Humidity | 20% to 95% |
| Storage Humidity | 10% to 95% |
| EMI and Safety Certifications | CE Mark - full compliance with LVD and EMC directives Worldwide safety standards - IEC60950-1, IEC 62368-1:2014 and IEC62368-1 : 2018, EN62368-1:2020+A11, UL 62368-1 Agency approvals - C-UL-US, TUV/GS, TUV/PSE, EN55032 Class B, FCC Class B, CISPR32 Class B, CCC, CU(EAC), KCC(Safety+EMC), NOM-001 NYCE, NRcan, NRCS, ISC, SEC, PSB, Argentina S-mark, Australia RCM, BIS, BSMI, UAE, UKCA DoC, Ukraine(CoC+DoC+RoHS+ECO) |
| HP XL-Long Life 4 cell, 74.5Whr Polymer ¹ | Weight 275 ± 10 g Cells/Type 4 cell Li-ion Polymer cell / 686557 Energy ¹ Voltage 15.52V Amp-hour capacity 4.8 Ah Watt-hour capacity 74.5 Wh Temperature Operating (Charging) 0° to 50° C Operating (Discharging) -10° to 65° C Optional Travel Battery No Available |

1. Actual battery Watt-hours (Wh) will vary from design capacity. Battery capacity will naturally decrease with shelf life, time, usage, environment, temperature, system configuration, loaded apps, features, power management settings and other factors.

| | |
|-----------------------------------|--|
| AUDIO | |
| Codec | Realtek ALC3315 |
| Audio I/O Ports | combo microphone/headphone jack |
| Internal Speaker Amplifier | Cirrus smart amp |
| 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 |
| | Following MSFT Behavior |
| Sampling | DAC: Supports resolutions from 16-bit to 24-bit; 44.1 kHz to 192.0 kHz |
| | ADC: Supports resolutions from 16-bit to 24-bit; 44.1 kHz to 192.0 kHz |
| Wavetable Syntheses | Yes - Uses OS soft wavetable |
| # of Channels on Line-Out | Stereo (Left & Right channels) |
| 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 | 5°C ~ 60°C (41°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

| Category | Description | Part Number |
|------------------------|--|-------------|
| Adapter | HP HDMI to VGA Adapter | H4F02AA |
| | 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 |
| | HP USB-C to VGA Adapter | N9K76AA |
| Adapters - Poly | HP MDA500 USB-C to USB-A Cable | 85R48AA |
| | HP MDA500 USB-C to USB-C Cable | 85R50AA |
| | HP PLY MDA220 USB-A | 8A7E0AA |
| | HP Poly MDA500 to Digital Headset Cable | 85R46AA |
| | HP Poly MDA524 QD USB-A Processor | 8L544AA |
| | HP Poly MDA526 QD USB-A Processor | 8L547AA |
| | HP Poly Savi Office PC Connection Cable - USB-A | 85R54AA |
| | HP Poly Savi Office S2 Telephone Cable | 85R55AA |
| | HP Poly Savi Office Telephone Cable | 85R57AA |
| | HP Poly Savi UC D400 DECT Adapter | 85T34AA |
| | HP Poly Savi UC D400 DECT1920-1930 MHz Dongle | 85T33AA |
| | HP Poly Voyager Free 60 UC Audio Cable | 8L5A5AA |
| | HP POLY Voyager Surround 80/85 UC USB-C to USB-C Charging Cable | 9C6M3AA |
| | HP Voyager Free 60 USB-C Charging Cable | 8L5A4AA |
| | HP Voyager Free 60 USB-C to USB-A Charging Cable | 8L5A3AA |
| | POLY Blackwire 5200 Y Training Cable | 85S08AA |
| | Poly Busy Light (Straight Plug) | 85R52AA |
| | POLY MDA100 RJ9 Cable | 85R42AA |
| | Poly MDA524 QD Audio Processor USB-C | 85Q24AA |
| | Poly MDA526 QD Audio Processor USB-C | 85Q27AA |
| | Poly Savi APA-24 - Electronic hook switch adapter for desk phone - for Poly APA-24 | 9T5V5AA |
| | Poly Savi D400 UC DECT 1880-1890 MHz Dongle | 8J8V9AA |
| | Poly Savi D400 UC DECT 1880-1900 MHz Dongle | 8J8V7AA |
| | Poly Savi D400 UC DECT 1893-1906 MHz Dongle | 8J8V6AA |
| | Poly Savi D400 UC DECT 1910-1920 MHz Dongle | 8J8V8AA |
| | Poly Savi D400 UC Microsoft Teams Certified DECT 1880-1900 MHz Dongle | 8J8W1AA |
| | Poly Savi D400 UC Microsoft Teams Certified DECT 1893-1906 MHz Dongle | 8J8W0AA |
| | Poly Savi D400 UC Microsoft Teams Certified DECT 1910-1920 MHz Dongle | 8J8W2AA |
| | Poly Spare USB Charger for Savi 8240 Series Headsets | 85R43AA |
| | Poly TR-11 EHS Analog Adapter Cable | 85R84AA |
| | Poly Voyager Surround 80/85 UC 3.5mm Audio Adapter Cable | 9C6M4AA |
| | Poly Y-Splitter Training Cable | 85S07AA |



Audio - Headset

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|--|---------|
| Poly Voyager 4320 USB-C Headset | 76U50AA |
| Poly Blackwire 3215 Monaural USB-C Headset | 8X227AA |
| Poly Blackwire 3220 Stereo USB-C Headset | 8X228AA |
| Poly Blackwire 3225 Stereo USB-C Headset | 8X229AA |
| Poly Blackwire 3310 Monaural Microsoft Teams Certified USB-C Headset +USB-C/A Adapter Batch 2 | 8X216AA |
| Poly Blackwire 3310 Monaural USB-C Headset +USB-C/A Adapter Batch 2 | 8X215AA |
| Poly Blackwire 3315 Monaural Microsoft Teams Certified USB-C Headset +3.5mmPlug+USB-C/AAdapterBatch2 | 8X218AA |
| Poly Blackwire 3315 Monaural USB-C Headset +3.5mm Plug +USB-C/A Adapter Batch 2 | 8X217AA |
| Poly Blackwire 3320 Stereo Microsoft Teams Certified USB-C Headset +USB-C/A Adapter Batch 2 | 8X220AA |
| Poly Blackwire 3320 Stereo USB-C Headset +USB-C/A Adapter Batch 2 | 8X219AA |
| Poly Blackwire 5220 Stereo USB-C Headset | 8X231AA |
| Poly Blackwire 8225 Stereo Microsoft Teams Certified USB-C Headset +USB-C/A Adapter Batch 2 | 8X225AA |
| Poly Blackwire 8225 Stereo USB-C Headset +USB-C/A Adapter Batch 2 | 8X223AA |
| Poly EncorePro 510 Monaural Headset | 783Q2AA |
| Poly EncorePro 520 Binaural Headset | 783P7AA |
| Poly EncorePro 530 Headset | 783P3AA |
| Poly EncorePro 540 Convertible Headset | 783P1AA |
| Poly EncorePro 710 with Quick Disconnect Monaural Headset (for EMEA) Batch 1 | 783N9AA |
| Poly EncorePro 710 with Quick Disconnect Monaural Headset Batch 1 | 783M8AA |
| Poly EncorePro 720 Binaural Headset +Quick Disconnect | 8R707AA |
| Poly EncorePro 720 with Quick Disconnect Binaural Headset Batch 1 | 783M7AA |
| Poly EncorePro 515 Microsoft Teams Certified Monaural with USB-A Headset Batch 1 | 783R1AA |
| Poly EncorePro 515 Monaural with USB-A Headset Batch 1 | 783R0AA |
| Poly EncorePro Stereo 525 with USB-A Headset | 783R2AA |
| Poly EncorePro USB-A Stereo 525 Headset | 783R3AA |
| Poly Savi 7310 DECT 1880-1900 MHz Single Ear Headset | 8D3G3AA |
| Poly Savi 7310 DECT 1910-1920 MHz Single Ear Headset | 8D3G5AA |
| Poly Savi 7310 Headset | 77T40AA |
| Poly Savi 7310 UC Monaural DECT 1880-1900 MHz Headset | 8L561AA |
| Poly Savi 7310 UC Monaural Microsoft Teams Certified DECT 1880-1900 MHz Headset | 8L575AA |
| Poly Savi 7310 Monaural DECT 1880-1900 MHz Top | 8Y9B6AA |
| Poly Savi 7310 Monaural Microsoft Teams Certified DECT 1880-1900 MHz Top | 8Y9B8AA |
| Poly Savi 7320 Stereo Microsoft Teams Certified DECT 1880-1900 MHz Top | 8Y9B9AA |
| Poly Savi 7310 UC Monaural DECT 1893-1906 MHz Headset | 8L565AA |
| Poly Savi 7310 UC Monaural Microsoft Teams Certified DECT 1893-1906 MHz Headset | 8L578AA |
| Poly Savi 7310 Monaural DECT 1893-1906 MHz Top | 9X3J2AA |
| Poly Savi 7310 Monaural Microsoft Teams Certified DECT 1893-1906 MHz Top | 9V8Z7AA |
| Poly Savi 7310 Monaural DECT 1910-1920 MHz Headset | 8L566AA |
| Poly Savi 7310 Office Monaural DECT 1920-1930 MHz Headset Batch 2 | 7S430AA |
| Poly Savi 7310 UC Monaural DECT 1920-1930 MHz Headset | 8L570AA |



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| Poly Savi 7310 UC Monaural Microsoft Teams Certified DECT 1920-1930 MHz Headset | 8L585AA |
| Poly Savi 7310 Monaural DECT 1920-1930 MHz Top | 783N0AA |
| Poly Savi 7310 Monaural Microsoft Teams Certified DECT 1920-1930 MHz Top | 783N2AA |
| Poly Savi 7310-M DECT 1880-1900 MHz Single Ear Headset | 8D3K7AA |
| Poly Savi 7310-M DECT 1893-1906 MHz Single Ear Headset | 8D3K9AA |
| Poly Savi 7310-M DECT 1910-1920 MHz Single Ear Headset | 8D3L0AA |
| Poly Savi 7310-M DECT 1920-1930 MHz Single Ear Headset | 7S439AA |
| Poly Savi 7320 DECT Headset | 77T39AA |
| Poly Savi 7320 Stereo DECT 1880-1900 MHz Headset | 8L553AA |
| Poly Savi 7320 Office Stereo DECT 1880-1900 MHz Headset | 8D3F7AA |
| Poly Savi 7320 UC Stereo DECT 1880-1900 MHz Headset | 8L545AA |
| Poly Savi 7320 Stereo DECT 1880-1900 MHz Top | 8Y9B7AA |
| Poly Savi 7320 Office Stereo DECT 1893-1906 MHz Headset | 8D3F8AA |
| Poly Savi 7320 UC Stereo DECT 1893-1906 MHz Headset | 8L546AA |
| Poly Savi 7320 UC Stereo Microsoft Teams Certified DECT 1893-1906 MHz Headset | 8L555AA |
| Poly Savi 7320 Stereo DECT 1893-1906 MHz Top | 9V8Z6AA |
| Poly Savi 7320 Stereo Microsoft Teams Certified DECT 1893-1906 MHz Top | 9V8Z8AA |
| Poly Savi 7320 Office Stereo DECT 1910-1920 MHz Headset | 8D3G0AA |
| Poly Savi 7320 UC Stereo DECT 1910-1920 MHz Headset | 8L548AA |
| Poly Savi 7320 UC Stereo Microsoft Teams Certified DECT 1910-1920 MHz Headset | 8L557AA |
| Poly Savi 7320 Office Stereo DECT 1920-1930 MHz Headset Batch 2 | 7S429AA |
| Poly Savi 7320 UC Stereo DECT 1920-1930 MHz Headset | 8L549AA |
| Poly Savi 7320 UC Stereo Microsoft Teams Certified DECT 1920-1930 MHz Headset | 8L559AA |
| Poly Savi 7320 Stereo DECT 1920-1930 MHz Top | 783N1AA |
| Poly Savi 7320 Stereo Microsoft Teams Certified DECT 1920-1930 MHz Top | 783N3AA |
| Poly Savi 7320-M Stereo DECT 1880-1900 MHz Headset | 8D3J6AA |
| Poly Savi 7320-M Stereo DECT 1893-1906 MHz Headset | 8D3K2AA |
| Poly Savi 7320-M Stereo DECT 1910-1920 MHz Headset | 8D3K0AA |
| Poly Savi 7320-M Stereo DECT 1920-1930 MHz Headset | 7S435AA |
| Poly Savi 7410 Office Monaural DECT 1880-1900 MHz Headset | 8L589AA |
| Poly Savi 7410 Office Monaural Microsoft Teams Certified DECT 1880-1900 MHz Headset | 8L593AA |
| Poly Savi 7410 Office Monaural DECT 1893-1906 MHz Headset | 8L591AA |
| Poly Savi 7410 Office Monaural Microsoft Teams Certified DECT 1893-1906 MHz Headset | 8L594AA |
| Poly Savi 7410 Office Monaural DECT 1910-1920 MHz Headset | 8L592AA |
| Poly Savi 7410 Office Monaural Microsoft Teams Certified DECT 1910-1920 MHz Headset | 8L597AA |
| Poly Savi 7410 Office Monaural DECT 1920-1930 MHz Headset | 8L7D5AA |
| Poly Savi 7410 Office Monaural Microsoft Teams Certified DECT 1920-1930 MHz Headset | 8L7D7AA |
| Poly Savi 7420 Office Stereo DECT 1880-1900 MHz Headset | 8L560AA |
| Poly Savi 7420 Office Stereo Microsoft Teams Certified DECT 1880-1900 MHz Headset | 8L574AA |
| Poly Savi 7420 Office Stereo DECT 1893-1906 MHz Headset | 8L563AA |
| Poly Savi 7420 Office Stereo Microsoft Teams Certified DECT 1893-1906 MHz Headset | 8L576AA |
| Poly Savi 7310 UC Monaural Microsoft Teams Certified DECT 1910-1920 MHz Headset | 8L581AA |
| Poly Savi 7420 Office Stereo DECT 1910-1920 MHz Headset | 8L564AA |
| Poly Savi 7420 Office Stereo Microsoft Teams Certified DECT 1910-1920 MHz Headset | 8L579AA |



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| Poly Savi 7420 Office Stereo DECT 1920-1930 MHz Headset | 8L567AA |
| Poly Savi 7420 Office Stereo Microsoft Teams Certified DECT 1920-1930 MHz Headset | 8L583AA |
| Poly Savi 8410 Office Monaural DECT 1880-1900 MHz Headset | 8L5A7AA |
| Poly Savi 8410 Office Monaural Microsoft Teams Certified DECT 1880-1900 MHz Headset | 8L5A9AA |
| Poly Savi 8410 Office Monaural DECT 1920-1930 MHz Headset | 8L7E6AA |
| Poly Savi 8410 Office Monaural Microsoft Teams Certified DECT 1920-1930 MHz Headset | 8L7E9AA |
| Poly Savi 8420 Office Stereo DECT 1880-1900 MHz Headset | 8L5B2AA |
| Poly Savi 8420 Office Stereo Microsoft Teams Certified DECT 1880-1900 MHz Headset | 8L5B3AA |
| Poly Savi 8420 Office Stereo DECT 1920-1930 MHz Headset | 8L7F2AA |
| Poly Savi 8420 Office Stereo Microsoft Teams Certified DECT 1920-1930 MHz Headset | 8L7F5AA |
| Poly Savi 8445 DECT 1880-1890 MHz Convertible Headset | 8L5B7AA |
| Poly Savi 8445 Office DECT 1880-1900 MHz Convertible Headset | 8L5B4AA |
| Poly Savi 8445 Office Microsoft Teams Certified DECT 1880-1900 MHz Convertible Headset | 8L5B6AA |
| Poly Savi 8445 Office DECT 1910-1920 MHz Convertible Headset | 8L5B5AA |
| Poly Savi 8445 Office Microsoft Teams Certified DECT 1910-1920 MHz Convertible Headset | 8L5B8AA |
| Poly Savi 8445 Office DECT 1920-1930 MHz Convertible Headset | 8L7F8AA |
| Poly Savi 8445 Office Microsoft Teams Certified DECT 1920-1930 MHz Convertible Headset | 8L7F1AA |
| Poly Savi DECT 7320 Stereo Headset | 77T37AA |
| Poly Savi DECT Monaural 7310 Headset | 77T38AA |
| Poly Voyager 4310 Headset | 77Y93AA |
| Poly Voyager 4310 Monaural Headset | 77Y92AA |
| Poly Voyager 4310 Microsoft Teams Certified USB-A Headset +BT700 dongle Batch 1 | 77Y91AA |
| Poly Voyager 4310 USB-A Headset +BT700 dongle Batch 1 | 76U48AA |
| Poly Voyager 4310 Microsoft Teams Certified USB-C Headset +BT700 dongle Batch 1 | 77Y95AA |
| Poly Voyager 4310 USB-C Headset +BT700 dongle +Charging Stand Batch 1 | 77Y96AA |
| Poly Voyager 4310 USB-C Headset +BT700 dongle Batch 1 | 77Y94AA |
| Poly Voyager 4310-M Headset | 7Y210AA |
| Poly Voyager 4310-M USB-C Headset | 77Y97AA |
| Poly Voyager 4320 Headset | 77Z00AA |
| Poly Voyager 4320 Stereo USB-A Headset | 77Y99AA |
| Poly Voyager 4320 Microsoft Teams Certified USB-A Headset +BT700 dongle Batch 1 | 77Y98AA |
| Poly Voyager 4320 USB-A Headset +BT700 dongle Batch 1 | 76U49AA |
| Poly Voyager 4320 Microsoft Teams Certified USB-C Headset +BT700 dongle Batch 1 | 77Z30AA |
| Poly Voyager 4320 USB-C Headset +BT700 dongle +Charging Stand Batch 1 | 77Z31AA |
| Poly Voyager 4320-M | 7Y211AA |
| Poly Voyager 4320-M Headset | 77Z32AA |
| Poly Voyager Focus 2 Headset | 7S4L6AA |
| Poly Voyager Focus 2 Microsoft Teams Certified USB-C-C Headset +USB-C/A Adapter +Charging Stand (Tactical 6316) | 9T9J6AA |
| Poly Voyager Focus 2 USB-C-C Headset +USB-C/A Adapter (Tactical 6316) | 9T9J3AA |
| Poly Voyager Focus 2 USB-C-C Headset +USB-C/A Adapter +Charging Stand (Tactical 6316) | 9T9J5AA |
| Poly Voyager Surround 80 USB-C Black Headset | 9D452AA |
| Poly Voyager Surround 80 UC Microsoft Teams Certified USB-C Headset +USB-C/A Adapter Batch 2 | 8G7U0AA |



Audio - Earbuds

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|--|---------|
| Poly Voyager Surround 80 UC Microsoft Teams Certified USB-C Headset +USB-C/A Adapter Demo | 9C6W5AA |
| Poly Voyager Surround 80 UC USB-C Headset +USB-C/A Adapter Batch 2 | 8G7T9AA |
| Poly Voyager Surround 85 UC Microsoft Teams CertifiedUSB-CHeadset+USB-C/AAdapter+ChargingStandBatch2 | 8G7T8AA |
| Poly Voyager Surround 85 UC USB-C Headset +USB-C/A Adapter +Charging Stand Batch 2 | 8G7T7AA |
| Poly Voyager Free 60 Black Earbuds | 7Y8M0AA |
| Poly Voyager Free 60 Carbon Black Earbuds +Basic Charge Case | 7Y8M2AA |
| Poly Voyager Free 60 UC Carbon Black Earbuds +BT700 USB-A Adapter +Basic Charge Case | 7Y8H3AA |
| Poly Voyager Free 60 UC Carbon Black Earbuds +BT700 USB-C Adapter +Basic Charge Case | 7Y8H4AA |
| Poly Voyager Free 60 UC M Carbon Black Earbuds +BT700 USB-A Adapter +Basic Charge Case | 7Y8L7AA |
| Poly Voyager Free 60 UC M Carbon Black Earbuds +BT700 USB-C Adapter +Basic Charge Case | 7Y8L8AA |
| Poly Voyager Free 60 UC M White Sand Earbuds +BT700 USB-A Adapter +Basic Charge Case | 7Y8L5AA |
| Poly Voyager Free 60 UC M White Sand Earbuds +BT700 USB-C Adapter +Basic Charge Case | 7Y8L6AA |
| Poly Voyager Free 60 UC White Sand Earbuds +BT700 USB-A Adapter +Basic Charge Case | 7Y8L3AA |
| Poly Voyager Free 60 UC White Sand Earbuds +BT700 USB-C Adapter +Basic Charge Case | 7Y8L4AA |
| 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 60/60+ Microsoft Teams Certified White Earbuds (2 Pieces) | 8L5B0AA |
| Poly Voyager Free 60/60+ White Earbuds (2 Pieces) | 8L5B1AA |
| Poly Voyager Free 60+ UC Carbon Black Earbuds +BT700 USB-A Adapter +Touchscreen Charge Case | 7Y8G3AA |
| Poly Voyager Free 60+ UC Carbon Black Earbuds +BT700 USB-C Adapter +Touchscreen Charge Case | 7Y8G4AA |
| Poly Voyager Free 60+ UC M Carbon Black Earbuds +BT700 USB-A Adapter +Touchscreen Charge Case | 7Y8G9AA |
| Poly Voyager Free 60+ UC M Carbon Black Earbuds +BT700 USB-C Adapter +Touchscreen Charge Case | 7Y8H0AA |
| Poly Voyager Free 60+ UC M White Sand Earbuds +BT700 USB-A Adapter +Touchscreen Charge Case | 7Y8G7AA |
| Poly Voyager Free 60+ UC M White Sand Earbuds +BT700 USB-C Adapter +Touchscreen Charge Case | 7Y8G8AA |
| Poly Voyager Free 60+ UC White Sand Earbuds +BT700 USB-A Adapter +Touchscreen Charge Case | 7Y8G5AA |
| Poly Voyager Free 60+ UC White Sand Earbuds +BT700 USB-C Adapter +Touchscreen Charge Case | 7Y8G6AA |
| Poly Voyager Free 20 Black Earbuds +Basic Charge Case Customer Special 1 | 946C4AA |
| Poly Voyager Free 20 Black Earbuds +Basic Charge Case CAN/ENG | 946C3AA |
| Poly Voyager Free 20 Black Earbuds +Basic Charge Case WW | 946C3AA |
| Poly Voyager Free 20 Gray Earbuds +Basic Charge Case Customer Special 1 | 945Y5AA |
| Poly Voyager Free 20 Gray Earbuds +Basic Charge Case CAN/ENG | 946C5AA |
| Poly Voyager Free 20 Gray Earbuds +Basic Charge Case WW | 946C5AA |



Audio - Speaker Phone

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|---|---------|
| Poly Sync 10 Microsoft Teams Certified USB-A Speakerphone | 77P34AA |
| Poly Sync 10 Speakerphone +USB-A to USB-C Cable Batch 2 | 7S4M6AA |
| Poly Sync 20 USB-C Speakerphone | 7F0J7AA |
| Poly Sync 20+M Speakerphone | 7Y215AA |
| Poly Sync 20-M Speakerphone | 7S4M1AA |
| Poly Sync 20-M Microsoft Teams Certified USB-C Speakerphone Batch 1 | 7F0J8AA |
| Poly Sync 20-M Microsoft Teams Certified USB-C Speakerphone Customer Special 1 | 8G0X6AA |
| Poly Sync 40 Speakerphone | 77P35AA |
| Poly Sync 40+ Speakerphone | 8G0X3AA |
| Poly Sync 40+ Microsoft Teams Certified USB-A USB-C Speakerphone +BT700 USB-A Adapter | 77P36AA |
| Poly Sync 40+ USB-A USB-C Speakerphone +BT700 USB-A Adapter | 772C5AA |
| Poly Sync 60 Microsoft Teams Certified Speakerphone Batch 1 | 77P41AA |
| Poly Sync 60 Speakerphone | 772C2AA |
| Poly Sync 20 Microsoft Teams Certified USB-A Speakerphone | 772C8AA |
| Poly Sync 20 USB-A Speakerphone | 772D2AA |
| Poly Sync 20+ Microsoft Teams Certified USB-A Speakerphone Batch 1 | 772C9AA |
| Poly Sync 20+ USB-A Speakerphone Batch 1 | 772C6AA |
| Poly Sync USB-A USB-C 10 Speakerphone | 772C3AA |
| Poly Sync USB-A USB-C 40 Speakerphone | 772C4AA |
| Poly Sync 20+ Microsoft Teams Certified USB-C Speakerphone Batch 1 | 772D1AA |
| Poly Sync 20+ USB-C Speakerphone Batch 1 | 772D0AA |

Cases

| | |
|--|---------|
| HP 14 Convertible Laptop Backpack Tote | 9C2H1AA |
| HP 14 Modular Laptop Sleeve | 9J499AA |
| HP 15.6 Modular Laptop Backpack | 9J496AA |
| HP 15.6 Modular Laptop Bag | 9J497AA |
| HP 15.6 Modular Laptop Sleeve | 9J498AA |
| HP Campus blue Backpack | 7K0E5AA |
| HP Campus green Backpack | 7K0E4AA |
| HP Campus XL Marble Stone Backpack | 7K0E2AA |
| HP Campus XL Tie Dye Backpack | 7K0E3AA |
| HP Convertible Laptop Stand | 9C2H2AA |
| HP Renew Business 17.3 Laptop Backpack | 3E2U5AA |
| HP Renew Business 17.3 Laptop Bag | 3E2U6AA |
| HP Renew Executive 16 Laptop Backpack | 6B8Y1AA |
| HP Renew Executive 16 Laptop Bag | 6B8Y2AA |

Commodity

| | |
|---|---------|
| HP USB DVD-Writer External ODD | F2B56AA |
| HP Combination Nano Cable Lock | 63B28AA |
| HP Essential Combination Nano Cable Lock | 63B31AA |
| HP Nano Keyed Cable Lock | 1AJ39AA |
| HP Nano Master Keyed Cable Lock | 1AJ40AA |
| HP SureKey Standard/Nano/Wedge Cable Lock | 6UW42AA |



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| Docking | HP Thunderbolt 4 100W G6 Dock | 9X472UT |
| | HP Thunderbolt 4 Ultra 180W G6 Dock | 9X481UT |
| | HP Thunderbolt 4 Ultra 280W G6 Dock | AW5M5UT |
| | HP Thunderbolt™ 120W G4 Dock | 4J0A2AA |
| | HP Thunderbolt™ 280W G4 Dock w/Combo Cable | 4J0G4AA |
| | HP USB-C™ 120W G5 Dock | 5TW10AA |
| Hub | HP USB-C to USB-A Hub | Z6A00AA |
| Keyboard | HP 125 Wired Keyboard | 266C9AA |
| | HP 320K USB Wired Keyboard | 9SR37AA |
| | HP 685 Comfort Dual-Mode Keyboard | 8T6L9AA |
| | HP 725 Multi-Device Rechargeable Wireless Keyboard | 9T5B2AA |
| | HP 965 black Ergonomic Wireless Keyboard | 7E756AA |
| | HP 975 Dual-Mode USB+Bluetooth Wireless Keyboard | 3Z726AA |
| Mouse | HP 105 Mouse Pad | 8X595AA |
| | HP 125 Wired Mouse | 265A9AA |
| | HP 128 Laser Wired Mouse | 265D9AA |
| | HP 205 Desk Mat | 8X597AA |
| | HP 320M Wired Mouse | 9VA80AA |
| | HP 515 Ultra-Fast Rechargeable Wireless Mouse | 9C2F7AA |
| | HP 685 Comfort Dual-Mode Mouse | 8T6M0AA |
| | HP 695 Qi-Charging Wireless Mouse | 8F1Y4AA |
| | HP 715 Rechargeable Multi-Device Bluetooth Mouse | 6E6F0AA |
| | HP 925 Ergonomic Vertical Wireless Mouse | 6H1A5AA |
| | HP Creator Black 935 Wireless Mouse | 1D0K8AA |
| | HP Multi-Device Black 635 Wireless Mouse | 1D0K2AA |
| Keyboard & Mouse Combo | HP 225 Wired Mouse and Keyboard Combo | 286J4AA |
| | HP 225 Wired Mouse and Keyboard Combo | 86J24AA |
| | HP 655 Wireless Keyboard and Mouse Combo | 860P8AA |
| | HP Wired Desktop 320MK Mouse and Keyboard | 9SR36AA |
| Power | HP 110W USB-C Laptop Charger | 8B3Y2AA |



CHANGELOG

| Date of change | Version History | | Description of change |
|-------------------|-----------------|---------|--|
| January 9, 2025 | V1 to V2 | Added | Environmental Section |
| January 15, 2025 | V2 to V3 | Updated | System unit Section Storage Section |
| January 20, 2025 | V3 to V4 | Updated | Weight and Dimensions Section |
| February 17, 2025 | V4 to V5 | Updated | Weight Section Graphics Section |
| April 2, 2025 | V5 to V6 | Updated | Processor Section |
| April 25, 2025 | V6 to V7 | Updated | Battery Life Section |
| May 20, 2025 | V7 to V8 | Updated | Docking Section |
| May 21, 2025 | V8 to V9 | Updated | Camera Section |

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