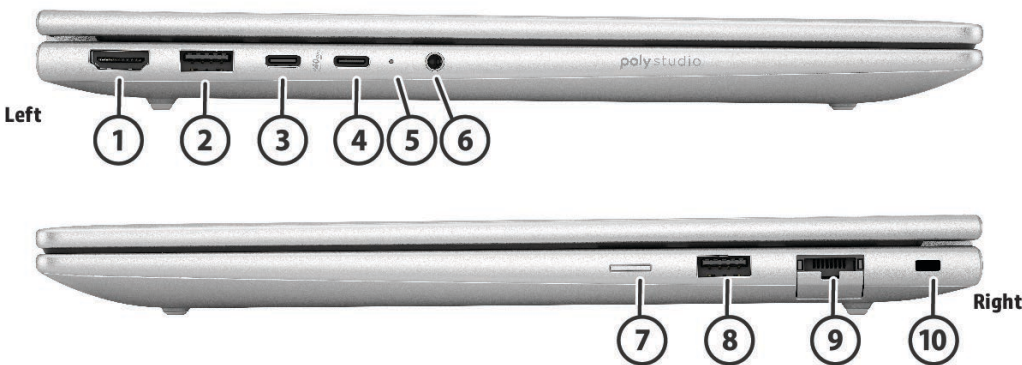


HP ProBook 4 G1q 14 inch Notebook Next Gen AI PC



Front

- | | | | |
|---|-------------------------|---|---------------------|
| 1 | Internal Microphone (2) | 4 | Webcam LED |
| 2 | Webcam | 5 | Finger Print Reader |
| 3 | Camera Shutter | 6 | Touchpad |



| Sides | | | |
|-------|---|----|---------------------------------|
| 1 | HDMI 2.1 | 7 | Nano SIM card slot (Optional) |
| 2 | USB Type-A 5Gbps signaling rate | 8 | USB Type-A 5Gbps signaling rate |
| 3 | USB4® with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4) 1 | 9 | RJ45 Ethernet port |
| 4 | USB4® with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4) 1 | 10 | Security lock slot (Integrated) |
| 5 | 5 Power Indicator LED | | |
| 6 | Headphone/mic combo jack | | |

1.Actual throughput may vary.

PRODUCT NAME

HP ProBook 4 G1q 14 inch Notebook Next Gen AI PC

OPERATING SYSTEMS

- FreeDOS
- 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 (Windows 11 Enterprise available with a Volume Licensing Agreement) ¹
- Windows 11 Pro 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 ² | Cores | Cache | Max Multithread Frequency | NPU |
|---|---------|-------|---------------------------|---------|
| Qualcomm® Snapdragon® X processor X1-26-100 | 8 cores | 30 MB | 2.97 GHz | 45 TOPS |
| Processor Family | | | | |
| Qualcomm® Snapdragon™ X processor | | | | |

2. Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.

GRAPHICS

Integrated

Qualcomm Adreno™ GPU

Supported Protocols

Support HDMI 2.1 TMDS

Hardware acceleration for CODEC H.265/HEVC (High Efficiency Video Coding) is disabled on this platform

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

Up to 4



DISPLAY

Actual brightness will be lower with touchscreen or HP Sure View.
Availability may vary by country.

Non-Touch

35.6 cm (14") diagonal, WUXGA (1920 x 1200), LCD, UWVA, Anti-Glare, WLED + Low Blue Light, 400 nits, Low Power, sRGB 100%
35.6 cm (14") diagonal, WUXGA (1920 x 1200), LCD, UWVA, Anti-Glare, WLED, 300 nits, Low Power, sRGB 62.5%

Touch

35.6 cm (14") diagonal, WUXGA (1920 x 1200), LCD, Touch, UWVA, Anti-Glare, WLED, 300 nits, Low Power, sRGB 62.5%

Display Size (Diagonal)

35.6 cm (14.0")

Screen to Body Ratio

88.80%

Aspect Ratio

16:10

Max Hinge Open Angle

177+-3°



DOCKING (SOLD SEPARATELY)

| | |
|--|---|
| Docking station model #1 | HP USB-C™ Dock G5 |
| Total number of supported displays (incl. the notebook) display) | 3 |
| Max. resolutions supported | 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 |
| Dock Connectors | 1x HDMI 2.0, 2x DisplayPort 1.4 |
| Technical limitations | 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. |

STORAGE AND DRIVES

1 TB PCIe® NVMe™ SSD Value ³
512 GB PCIe® NVMe™ SSD Value ³
256 GB PCIe® NVMe™ SSD Value ³

3. 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

32 GB LPDDR5X-8533 MT/s (onboard) ⁴

Memory

32 GB LPDDR5X-8533 MT/s (onboard) ⁴

16 GB LPDDR5X-8533 MT/s (onboard) ⁴

Memory Slots

No memory slots. Memory soldered down.

System runs at 8448 MT/s

The memory is non-accessible / non-upgradeable.

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



NETWORKING /COMMUNICATIONS

Items below may be optional.

Ethernet

RTK GBE Ethernet Controller

WLAN

Qualcomm® FastConnect 7800 Wi-Fi 7 Bluetooth® 5.4 WW WLAN ⁵

Qualcomm® FastConnect 6900 Wi-Fi 6E Bluetooth® 5.3 WW WLAN ⁵

Miracast

Native Miracast Support ⁶

5. Wi-Fi 6E requires a Wi-Fi 6E router, sold separately to function in the 6GHz band. Availability of public wireless access points limited.

Wi-Fi 6E is backwards compatible with prior 802.11 specs. And available in countries where Wi-Fi 6E is supported.

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



AUDIO/MULTIMEDIA

Privacy panel is only available on select models.

Audio

Audio by Poly Studio

2 Integrated stereo speakers

2 Integrated dual array microphone

Speaker Power

2W / 4 ohm per speaker

Camera

5MP + Infrared camera

FHD camera

Sensors

Fingerprint Sensor (optional)

Hall Effect Sensor

Thermal Sensor



KEYBOARDS/POINTING DEVICES/BUTTONS & FUNCTION KEYS

Keyboard

HP Standard Notebook Keyboard, spill-resistant, Durakey, keyboard.

HP Standard Notebook Keyboard, spill-resistant, backlit, Durakey, 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 - Blank or Keyboard Backlight

F6 - Audio Mute

F7 - Volume Down

F8 - Volume Up

F9 - Mic Mute

F10 - Play and Pause

F11 - Programmable Key

F12 - HOME

Power Button (with LED)

Insert

Delete

End

Microsoft Copilot ⁷

Hidden Function Keys

Fn+S - Sys Rq, Fn+C - Scroll Lock

7. 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. Use of Recall requires customer authentication using Windows Hello Enhanced Sign in Security (ESS) which requires a fingerprint reader or facial recognition camera and may not be supported on all platforms. See <http://aka.ms/WindowsAIFeatures>



SOFTWARE AND SECURITY

Application Software

Buy Microsoft Office (Sold Separately)
Edge Customization
HP AI Companion
HP Hotkey Support
HP PC Hardware Diagnostics UEFI
HP PC Hardware Diagnostics Windows
HP Privacy Settings
myHP
HSA Fusion for Commercial

Manageability Features

HP Client Catalog ([download](#))⁸
HP Client Management Script Library ([download](#))⁹
HP Cloud Recovery¹⁰
HP Connect for Microsoft Endpoint Manager
HP Driver Packs ([download](#))¹¹
HP Image Assistant ([download](#))¹²
HP Manageability Integration Kit ([download](#))¹³

Security Features

Secured-Core PC Enable
Windows Hello Enhanced Sign-In Security (ESS)
HP Wolf Security for Business which includes:¹⁴
HP Sure Sense¹⁵

Security- TPM

Primary Security - TPM
Model: Nuvoton NPCT760HACYX
Firmware Version: 7.2.4.0
TCG TPM 2.0
FIPS 140-2 Compliant: Yes

Secondary Security Processor

Model: sTPM (a.k.a SPU TPM)
To support Pluton TPM (sTPM, uses Qualcomm SPU running Microsoft firmware)

BIOS

HP BIOS Recovery
BIOS Update via Network
HP BIOSphere Gen6¹⁶
HP DriveLock & Automatic DriveLock
HP Wake on WLAN



IPv6 Support

Yes

FirstNet Certified

Yes

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

Class: 3

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

9. HP Client Management Script Library <https://www.hp.com/us-en/solutions/client-management-solutions.html#tab=manageability-tools>.

10. 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>.

11. HP Driver Packs not preinstalled, however available for download at <http://www.hp.com/go/clientmanagement>.

12. HP Image Assistant not preinstalled, however available for download at <https://ftp.ext.hp.com/pub/caps-softpaq/cmit/HPIA.html>

13. HP Manageability Integration Kit not preinstalled, however available for downloaded from <https://www.hp.com/us-en/solutions/client-management-solutions.html#tab=manageability-tools>.

14. 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.

15. 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.

16. HP BIOSphere Gen6 features may vary depending on the platform and configuration.



POWER

Power supply availability may vary by country.

Battery is internal and not replaceable by customer. Serviceable by warranty.

Power Supply

HP 65W Standard USB Type-C® AC power adapter

HP 65W Standard USB Type-C® Halogen Free AC power adapter

Power Cord

3-wired plug- 1.0m

Battery

HP Long Life 3 cell, 56Whr Polymer

Battery Recharge Time

Supports battery HP Fast Charge: approximately 50% in 30 minutes ¹⁷

Battery life

Up to 24 hours 48 minutes with 56Whr battery (HP Long Life 3-Cell, 56 Whr Polymer, Snapdragon® X Elite X1E-78-100, UMA graphic, brightness set to 150nits on a 14-inch WUXGA 400nits LP LCD display, 32GB memory, 256GB SSD) ¹⁸

17. 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.

18. Battery life based on video playback. Video Playback 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.



WEIGHT & DIMENSIONS

Product Weight

Starting at 1.46 kg (3.22 lb) with 56.00 Wh battery

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

Product Dimensions (w x d x h)

318.60 mm (W) x 224.35 mm (D) x 10.90 mm (front)/ 17.00 mm (rear) (12.54 in (W) x 8.83 in (D) x 0.43 in (front)/ 0.67 in (rear))

Maximum height 20.90 mm (0.82)

Front height measurement is near the front edge where the chassis bottom cover taper begins. Back height measurement is near the back edge where the chassis bottom cover taper ends.

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](#).



PORTS/SLOTS

Left side

- 1 x USB Type-A 5Gbps signaling rate (Charges with power off)
- 2 x USB4® with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4) ¹⁹
- 1 x HDMI 2.1
- 1 x headphone/mic combo jack

Right side

- 1 x USB Type-A 5Gbps signaling rate (Charges with power on)
- 1 x RJ45 Ethernet port
- 1 x Security lock slot (Integrated)

[19. Actual throughput may vary.](#)



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 • At least 50% ocean bound plastic in the system fan and 30% in Speakers¹ • At least 20% post-consumer recycled plastic² • At least 50% recycled metal³ • Low Halogen⁴ • 100% of HP paper-based packaging is from recycled or certified sustainable sources⁵ • Bulk packaging available | | |
| 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 (Sort idle) | 4.95 W | 5.23 W | 4.92 W |
| Normal Operation (Long idle) | N/A | N/A | N/A |
| Sleep | 1.48 W | 1.32 W | 1.45 W |
| Off | 0.33 W | 0.36 W | 0.33 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) | 17 BTU/hr | 18 BTU/hr | 17 BTU/hr |
| Normal Operation (Long idle) | N/A | N/A | N/A |
| Sleep | 5.1 BTU/hr | 5 BTU/hr | 5 BTU/hr |
| Off | 1.1 BTU/hr | 1 BTU/hr | 1.1 BTU/hr |
| | <p>*NOTE: Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.</p> | | |



| Declared Noise Emissions (in accordance with ISO 7779 and ISO 9296) | Sound Power (L _{WAd} , bels) | Sound Pressure (L _{pAm} , decibels) |
|---|--|---|
| Typically Configured – Idle | 3.0 | 24.5 |
| Fixed Disk – Random writes | 3.0 | 24.8 |
| Optical Drive – Sequential reads | 3.0 | 24.6 |
| 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 96% recycle-able when properly disposed of at end of life.• | |
| Packaging Materials | External: | PAPER/Corrugated288 g |
| | | WOOD/wood20 g |
| | | PAPER/Molded Pulp100 g |
| | The plastic packaging material contains at least 0.0% recycled content. | |
| | The corrugated paper packaging materials contains at least 51.7% 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 | 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): | |



| | |
|---|--|
| | <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 (PBBEs) • Polybrominated Biphenyl Oxides (PBBOs) • Polychlorinated Biphenyl (PCB) • Polychlorinated Terphenyls (PCT) • Polyvinyl Chloride (PVC) – except for wires and cables, and certain retail packaging has been voluntarily removed from most applications. • Radioactive Substances • Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO) |
| Packaging Usage | <p>HP follows these guidelines to decrease the environmental impact of product packaging:</p> <ul style="list-style-type: none"> • Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials. • Eliminate the use of ozone-depleting substances (ODS) in packaging materials. • Design packaging materials for ease of disassembly. • Maximize the use of post-consumer recycled content materials in packaging materials. • Use readily recyclable packaging materials such as paper and corrugated materials. • Reduce size and weight of packages to improve transportation fuel efficiency. • Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards. |
| End-of-life Management and Recycling | <p>HP offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: 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</p> |



| | |
|---|--|
| | 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 | <p>For more information about HP's commitment to the environment:</p> <ul style="list-style-type: none"> • Sustainable Impact Report <ul style="list-style-type: none"> ○ https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=c06040843 • Eco-label certifications <ul style="list-style-type: none"> ○ https://www.hp.com/us-en/sustainable-impact/document-reports.html#filters_documents_reports=-document_type-type_energy_star,type_epeat,type_tcoISO • ISO 14001 certificates <ul style="list-style-type: none"> ○ https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=c04777932 |
| footnotes | <ol style="list-style-type: none"> 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. 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. 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. 4. External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen. 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

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>.²⁰

20. 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 | 20.0V |
| Max Operating Power | UMA 65W |

Temperature

| | |
|---------------|---|
| Operating | 0° to 35° C (32° to 95° F) No sustained direct exposure to sunlight, System performance may be reduced above 32°C (89.6°F) |
| Non-operating | -20° to 60° C (-4° to 140° F) No sustained direct exposure to sunlight, System performance may be reduced above 32°C (89.6°F) |

Relative Humidity

| | |
|---------------|---|
| Operating | 10% to 90 % (non-condensing) |
| Non-operating | 5% 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 |

Altitude (unpressurized)

| | |
|---------------|--------------------|
| Operating | 3048 m (10000 ft) |
| Non-operating | 12192 m (40000 ft) |

Industry Standard Certifications

| | |
|--|-------------------|
| Regulatory Model Number | HSN-Q42C |
| CSA/UL 62368-1 | Yes |
| UL 62368-1 | Yes |
| ENERGY STAR® | Yes ²¹ |
| 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 | Yes ²² |
| Low Blue Light | Yes |
| WW RoHS | Yes |
| CECP | No |
| Medical EMC: IEC 60601-1-2:2014 EN60601-1-2:2015 | Yes |
| SEPA | No |

MIL-STD Testing

Yes ²³

21. Configurations that are ENERGY STAR® qualified are identified as ENERGY STAR on HP websites and on <http://www.energystar.gov>
22. 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.
23. 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

| | | |
|--|----------------------------------|----------------------------|
| 35.6 cm (14") diagonal, WUXGA (1920 x 1200), LCD, UWVA, Anti-Glare, WLED, 300 nits, Low Power, sRGB 62.5% | Active Area | 301.59 X 188.50 mm (typ) |
| | Dimensions (W x H) | 307.590 x 199.150 mm (max) |
| | Weight | 300 g (max) |
| | Diagonal Size | 14 inch |
| | Surface Treatment | Anti-Glare |
| | Touch Enabled | No |
| | Contrast Ratio | 1,000: 1 (typ) |
| | Refresh Rate | 60 Hz (typ) |
| | Brightness | 300 nits (typ) |
| | Pixel Resolution | RGB |
| | Pixel Resolution - Format | 1920 x 1200 (WUXGA) |
| | Aspect Ratio | 16:10 |
| | Backlight | WLED |
| | Color Gamut Coverage | sRGB 62.5% |
| | Color Depth | 8 bit |

| | | |
|--|----------------------------------|----------------------------|
| 35.6 cm (14") diagonal, WUXGA (1920 x 1200), LCD, UWVA, Anti-Glare, WLED + Low Blue Light, 400 nits, Low Power, sRGB 100% | Active Area | 301.590 x 188.500 mm (typ) |
| | Dimensions (W x H) | 307.590 x 199.550 mm (max) |
| | Weight | 210 g (max) |
| | Diagonal Size | 14 inch |
| | Surface Treatment | Anti-Glare |
| | Touch Enabled | No |
| | Contrast Ratio | 1,000:1(typ) |
| | Refresh Rate | 60 Hz (typ) |
| | Brightness | 400 nits (typ) |
| | Pixel Resolution | RGB |
| | Pixel Resolution - Format | 1920 x 1200 (WUXGA) |
| | Aspect Ratio | 16:10 |
| | Backlight | WLED |
| | Color Gamut Coverage | sRGB 100% |
| | Color Depth | 8 bit |

| | | |
|---|---------------------------|----------------------------|
| 35.6 cm (14") diagonal, WUXGA (1920 x 1200), LCD, Touch, UWVA, Anti-Glare, WLED, 300 nits, Low Power, sRGB 62.5% | Active Area | 301.590 x 188.500 mm (typ) |
| | Dimensions (W x H) | 307.59 x 199.15 mm (max) |
| | Weight | 300 g (max) |
| | Diagonal Size | 14 inch |
| | Surface Treatment | Anti-Glare |
| | Touch Enabled | Yes |



| | |
|----------------------------------|-----------------------------|
| Contrast Ratio | 1,000:1(typ) |
| Refresh Rate | 60 Hz (typ) |
| Brightness | 300 nits (typ) |
| Pixel Resolution | RGB |
| Pixel Resolution - Format | 1920 x 1200 (WUXGA) |
| Aspect Ratio | 16:10 |
| Backlight | WLED |
| Color Gamut Coverage | sRGB 62.5% |
| Color Depth | 8 bit |
| Viewing Angle | UWVA 89/89/89/89 |
| Low Blue Light | No |
| Power Consumption | 1.75 W (max) / 2.15 W (max) |



STORAGE

| | | |
|---|------------------|---|
| 1 TB PCIe® NVMe™ SSD Value ¹ | Form Factor | M.2 2280 |
| | Capacity | 1 TB |
| | NAND Type | Value |
| | Weight | 10 g (0.02 lb) |
| | Interface | PCIe NVMe Gen4X4 |
| | Sequential Read | 3500 MB/s ±20% |
| | Sequential Write | 2700 MB/s ±20% |
| | Logical Blocks | 2,000,409,264 |
| | Features | Pyrite 2.0; TRIM; L1.2 Not all features are available in all versions. |
| 512 GB PCIe® NVMe™ SSD Value ¹ | Form Factor | M.2 2280 |
| | Capacity | 512 GB |
| | NAND Type | Value |
| | Weight | 10 g (0.02 lb) |
| | Interface | PCIe NVMe Gen4X4 |
| | Sequential Read | 3500 MB/s ±20% |
| | Sequential Write | 1600 MB/s ±20% |
| | Logical Blocks | 1,000,215,215 |
| | Features | Pyrite 2.0; TRIM; L1.2 Not all features are available in all versions. |
| 256 GB PCIe® NVMe™ SSD Value ¹ | Form Factor | M.2 2280 |
| | Capacity | 256 GB |
| | NAND Type | Value |
| | 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 Not all features are available in all versions. |

1. 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

Items below may be optional.

| | | |
|----------------------------|------------------------|--|
| Qualcomm® FastConnect 7800 | Wireless LAN Standards | IEEE 802.11a |
| Wi-Fi 7 Bluetooth® 5.4 WW | | IEEE 802.11ac |
| WLAN ¹ | | IEEE 802.11ax |
| | | IEEE 802.11b |
| | | IEEE 802.11be |
| | | IEEE 802.11d |
| | | IEEE 802.11e |
| | | IEEE 802.11g |
| | | IEEE 802.11h |
| | | IEEE 802.11i |
| | | IEEE 802.11k |
| | | IEEE 802.11n |
| | | IEEE 802.11r |
| | | IEEE 802.11v |
| | Interoperability | Wi-Fi certified |
| | Frequency Band | <ul style="list-style-type: none">802.11b/g/n/ax 2.402 – 2.482 GHz802.11a/n/ac/ax 4.9 – 4.95 GHz (Japan) 5.15 – 5.25 GHz 5.25 – 5.35 GHz 5.47 – 5.725 GHz 5.825 – 5.850 GHz 5.955 – 6.415 GHz 6.435 – 6.515 GHz 6.535 – 6.875 GHz 6.895 – 7.115 GHz |
| | Data Rates | 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11ac: MCS0 ~ MCS9, (20MHz, 40MHz, 80MHz, 160MHz) 802.11ax: MCS0 ~ MCS11, (20MHz, 40MHz, 80MHz, 160MHz) 802.11b: 1, 2, 5.5, 11 Mbps 802.11be: MCS0 ~ MCS13, (20MHz, 40MHz, 80MHz, 160MHz, 320MHz) 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11n: MCS0 ~ MCS15, (20MHz, 40MHz) |
| | Modulation | Direct Sequence Spread Spectrum 1024QAM, 16-QAM, 256-QAM, 4096QAM, 64-QAM, BPSK, CCK, Direct Sequence Spread Spectrum, OFDM, QPSK |
| | 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 (personal) certification |
| Network Architecture Models | Ad-hoc (Peer to Peer) |
| | Infrastructure (Access Point Required) |
| Roaming | IEEE 802.11 compliant roaming between access points |
| Output Power | <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 • 802.11be MCS13(EHT320)(6GHz) : 4.5dBm |
| Power Consumption | Transmit mode : 3.1 W Receive mode : 1.8 W Idle mode (PSP) : 180 mW (WLAN Associated) Idle mode: 50 mW (WLAN unassociated) Connected Standby/Modern Standby : 10 mW Radio disabled : 8 mW |
| Power Management | ACPI and PCI Express compliant power management |
| Receiver Sensitivity ² | 802.11 compliant power saving mode <ul style="list-style-type: none"> • 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 |



| | |
|---|--|
| | <ul style="list-style-type: none"> • 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 • 802.11be, MCS13(EHT320)(6GHz) : -45.5dBm maximum |
| Antenna type | High efficiency antenna with spatial diversity Two embedded tri-band 2.4/5/6 GHz antennas are provided to the card to support WLAN MIMO communications and Bluetooth communications |
| Form Factor | PCI-Express M.2 MiniCard |
| Dimensions | 30.00 x 22.00 x 2.35 mm (1.18 x 0.87 x 0.09 inch) |
| Weight | Type 2230: 2.8 g |
| Operating Voltage | 3.3 v +/- 9 % |
| Integrated Bluetooth® specifications | |
| 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 BLE : 1 Mbps data rate; throughput up to 0.2 Mbps Legacy : Synchronous Connection Oriented links up to 3, 64 kbps, voice channels Legacy : Asynchronous Connection Less links 2178.1 kbps/177.1 kbps asymmetric (3-DH5) or 864 kbps symmetric (3-EV5) |
| 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 | Microsoft Windows Bluetooth Software |
| Supported Link Topology | |
| Power Management | Microsoft Windows ACPI, and USB Bus Support |
| Certifications | FCC (47 CFR) Part 15C/E, Section 15.247, 15.249, 15.407; ETSI 300 328, ETSI 301 893, ETSI 303 687 |
| Bluetooth® Profiles Supported | 2Mbps LE Advanced Audio Distribution Profile (A2DP) Basic Imaging Profile (BIP) Bluetooth 4.1 -ESR 5/6/7 Compliance Bluetooth 4.2 ESR08 Compliance Bluetooth 5.2 |



- Bluetooth 5.3 wireless card
- Channel Selection Algo
- Encryption Key size control enhancements
- ESR9/10 Compliance
- FAX Profile (FAX)
- Hands Free Profile (HFP)
- Headset Profile (HSP)
- 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
- Periodic Advertisement interval
- Train Nudging & Interlaced Scan
- Windows Bluetooth profiles support

1. Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. And available in countries where Wi-Fi 6E is supported. Wi-Fi 6E is designed to support gigabit data rate when transferring files between two devices connected to the same router. Requires a wireless router, sold separately.
2. 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).

| | | |
|---|-------------------------------|------------------|
| Qualcomm® FastConnect 6900 Wi-Fi 6E Bluetooth® 5.3 WW WLAN [1] | Wireless LAN Standards | IEEE 802.11a |
| | | IEEE 802.11ac |
| | | IEEE 802.11ax |
| | | IEEE 802.11b |
| | | IEEE 802.11d |
| | | IEEE 802.11e |
| | | IEEE 802.11g |
| | | IEEE 802.11h |
| | | IEEE 802.11i |
| | | IEEE 802.11k |
| | | IEEE 802.11n |
| | | IEEE 802.11r |
| | | IEEE 802.11v |
| | | Wi-Fi certified |
| | | • 802.11b/g/n/ax |
| | Interoperability | |
| Frequency Band | | |



| | |
|------------------------------------|--|
| | 2.402 – 2.482 GHz |
| | • 802.11a/n/ac/ax |
| | 4.9 – 4.95 GHz (Japan) |
| | 5.15 – 5.25 GHz |
| | 5.25 – 5.35 GHz |
| | 5.47 – 5.725 GHz |
| | 5.825 – 5.850 GHz |
| | 5.955 – 6.415 GHz |
| | 6.435 – 6.515 GHz |
| | 6.535 – 6.875 GHz |
| | 6.895 – 7.115 GHz |
| Data Rates | 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11ac: MCS0 ~ MCS9, (20MHz, 40MHz, 80MHz, 160MHz) 802.11ax: MCS0 ~ MCS11, (20MHz, 40MHz, 80MHz, 160MHz) 802.11b: 1, 2, 5.5, 11 Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11n: MCS0 ~ MCS15, (20MHz, 40MHz) |
| Modulation | Direct Sequence Spread Spectrum 1024QAM, 16-QAM, 256-QAM, 64-QAM, BPSK, CCK, Direct Sequence Spread Spectrum, OFDM, QPSK |
| 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 (personal) certification |
| Network Architecture Models | Ad-hoc (Peer to Peer) Infrastructure (Access Point Required) |
| Roaming | IEEE 802.11 compliant roaming between access points |
| Output Power | • 802.11b : +17dBm minimum • 802.11g : +16dBm minimum • 802.11a : +17dBm minimum • 802.11n HT20(2.4GHz) : +14dBm minimum • 802.11n HT40(2.4GHz) : +13dBm minimum • 802.11n HT20(5GHz) : +14dBm minimum • 802.11n HT40(5GHz) : +13dBm minimum • 802.11ac VHT80(5GHz) : +10dBm minimum • 802.11ac VHT160(5GHz) : +10dBm minimum • 802.11ax HE40(2.4GHz) : +12dBm minimum • 802.11ax HE80(5GHz) : +10dBm minimum • 802.11ax HE160(5GHz) : +10dBm minimum |
| Power Consumption | Transmit mode : 2.0 W |



| | |
|---|--|
| | Receive mode : 1.6 W Idle mode (PSP) : 180 mW (WLAN Associated) Idle mode: 50 mW (WLAN unassociated) Connected Standby/Modern Standby : 10 mW Radio disabled : 8 mW |
| Power Management | ACPI and PCI Express compliant power management |
| Receiver Sensitivity ² | 802.11 compliant power saving mode •802.11b, 1Mbps : -93.5dBm maximum •802.11b, 11Mbps : -84dBm maximum • 802.11a/g, 6Mbps : -86dBm maximum • 802.11a/g, 54Mbps : -72dBm maximum • 802.11n, MCS07 : -67dBm maximum • 802.11n, MCS15 : -64dBm maximum • 802.11ac, MCS0(VHT80) : -84dBm maximum • 802.11ac, MCS9(VHT80) : -59dBm maximum • 802.11ac, MCS9(VHT160) : -58.5dBm maximum •802.11ax, MCS11(HE40): -57dBm maximum •802.11ax, MCS11(HE80): -54dBm maximum •802.11ax, MCS11(HE160): -53.5dBm maximum |
| Antenna type | High efficiency antenna with spatial diversity Two embedded tri-band 2.4/5/6 GHz antennas are provided to the card to support WLAN MIMO communications and Bluetooth communications |
| Form Factor | PCI-Express M.2 MiniCard |
| Dimensions | 30.00 x 22.00 x 2.30 mm (1.18 x 0.87 x 0.09 inch) |
| Weight | Type 2230: 2.8 g |
| Operating Voltage | 3.3 v +/- 9 % |
| Integrated Bluetooth® specifications | |
| 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 BLE : 1 Mbps data rate; throughput up to 0.2 Mbps Legacy : Synchronous Connection Oriented links up to 3, 64 kbps, voice channels Legacy : Asynchronous Connection Less links 2178.1 kbps/177.1 kbps asymmetric (3-DH5) or 864 kbps symmetric (3-EV5) |
| Transmit Power | The Bluetooth component shall operate as a Class II Bluetooth device with a maximum transmit power of + 9.5 dBm for BR and EDR. |
| Power Consumption | Peak (Tx): 330 mW Peak (Rx): 230 mW Selective Suspend: 17 mW |
| Bluetooth® Software | Microsoft Windows Bluetooth Software |



| | |
|-------------------------------|---|
| Supported Link Topology | Microsoft Windows ACPI, and USB Bus Support |
| Power Management | FCC (47 CFR) Part 15C/E, Section 15.247, 15.249, 15.407; ETSI 300 328, ETSI 301 893, ETSI 303 687 |
| Certifications | |
| Bluetooth® Profiles Supported | 2Mbps LE Advanced Audio Distribution Profile (A2DP) Basic Imaging Profile (BIP) Channel Selection Algo Encryption Key size control enhancements ESR9/10 Compliance FAX Profile (FAX) Hands Free Profile (HFP) Headset Profile (HSP) 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 Periodic Advertisement interval Train Nudging & Interlaced Scan |

1. Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. And available in countries where Wi-Fi 6E is supported. Wi-Fi 6E is designed to support gigabit data rate when transferring files between two devices connected to the same router. Requires a wireless router, sold separately.
2. 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).

| | | |
|---|----------------------|--|
| Realtek RTL8111HSH 10/100/1000 Integrated NIC ¹ | Connector | RJ-45 |
| | System Interface | PCI (Intel proprietary) + SMBus |
| | Data rates supported | 1000 Mbit/s operation (1000BASE-T; IEEE 802.3ab; IEEE 802.3 clauses 40) 100 Mbit/s operation (100BASE-TX; IEEE 802.3u; IEEE 802.3 clauses 21-30) 10 Mbit/s operation (10BASE-T; IEEE 802.3i; IEEE 802.3 clauses 13-14) |
| | IEEE Compliance | IEEE 802.1p QoS (Quality of Service) Support IEEE 802.1q VLAN support |

Performance

IEEE 802.3x Flow Control (IEEE 802.3 clauses 31-32; configurable)
IEEE 802.3az EEE (Energy Efficient Ethernet)
TCP/IP/UDP Checksum offload (configurable)
Protocol offload (ARP & NS)
Large send offload and Giant send offload
Receiving Side Scaling
Jumbo Frame 9K

Power consumption

Cable Disconnection: 25 mW
100Mbps Full Run: 450 mW
1000Mbps Full Run: 1000 mW
WoL Enable(S3/S4/S5): 50 mW
WoL Disable(S3/S4/S5): 25 mW

Power Management

ACPI compliant – multiple power modes
Situation-sensitive features reduce power consumption
Advanced link down power saving for reducing link down power consumption

Management Interface
IT Manageability

Auto MDI/MDIX Crossover cable detection
Wake-on-LAN from modern standby or sleep state (Magic Packet and Microsoft Wake-Up Frame)
Wake-on-LAN from off (Magic Packet only)
PXE 2.1 Remote Boot
Statistics Gathering (SNMP MIB II, Ethernet-like MIB, Ethernet MIB (802.3x, clause 30))
Comprehensive diagnostic and configuration software suite
Virtual Cable Doctor for Ethernet cable status



POWER

Power supply availability may vary by country.

| | | |
|---|-------------------------------------|--|
| HP 65W Standard USB Type-C® AC power adapter | Weight (DC Cable Included) | 240g ± 10g |
| | 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 | |
| | Output power | 5V/15W 9V/27W 12V/60W 15V/65W 20V/65W |
| | DC output | 5V/9V/12V/15V/20V |
| | Hold-up time | 100% load 5ms at 115 Vac input |
| | Output Over Current Protection | < 8.0A |
| | AC Inlet Type | C6 |
| | DC Cable Connector | USB type C |
| | DC Cable Material | PVC |
| | Connector | |
| | Connector | C6 |
| | Environmental Design | |
| | 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 and IEC62368-1 : 2018, EN62368-1:2014+A11, UL 62368-1 Agency approvals - C-UL-US, TUV/GS, TUV/PSE, EN55032 Class B, FCC Class B, CISPR32 Class B, CCC and CECP, CU(EAC), EAEU, KCC(Safety+EMC) and K-MEPS, NOM-001 and 029 NYCE, NRcan, NRCS, ISC, SEC, PSB, Argentina S-mark, Australia RCM, BIS, BSMI, UAE, UKCA DoC |

| | | |
|-----------------------------|----------------------------|------------|
| HP 65W Standard USB Type-C® | Weight (DC Cable Included) | 240g ± 10g |
|-----------------------------|----------------------------|------------|

| | | |
|---|-------------------------------------|--|
| Halogen Free AC power adapter | 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 | |
| | Output power | 5V/15W 9V/27W 12V/60W 15V/65W 20V/65W |
| | DC output | 5V/9V/12V/15V/20V |
| | Hold-up time | 100% load 5ms at 115 Vac input |
| | Output Over Current Protection | < 8.0A |
| | AC Inlet Type | C6 |
| | DC Cable Connector | USB type C |
| | DC Cable Material | Halogen Free |
| | Connector | |
| | Connector | C6 |
| | Environmental Design | |
| | 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 and IEC62368-1 : 2018, EN62368-1:2014+A11, UL 62368-1 Agency approvals - C-UL-US, TUV/GS, TUV/PSE, EN55032 Class B, FCC Class B, CISPR32 Class B, CCC and CECP, CU(EAC), EAEU, KCC(Safety+EMC) and K-MEPS, NOM-001 and 029 NYCE, NRcan, NRCS, ISC, SEC, PSB, Argentina S-mark, Australia RCM, BIS, BSMI, UAE, UKCA DoC |
| HP Long Life 3 cell, 56Whr Polymer | Weight | 0.208 kg ± 10 g (0.459 lb) |
| | Cells/Type | 3cell Lithium-Ion Polymer cell / 586075 |
| | Energy | |
| | Voltage | 11.58 V |
| | Amp-hour capacity | 4.840 Ah |
| | Watt-hour capacity | 56.04 Wh |
| | Temperature | |



| | |
|-----------------------------------|--|
| Operating (Charging) | 32° to 113° F (0° to 45° C) (Charge Initial Temperature) |
| Operating (Discharging) | 32° to 122° F (0° to 50° C) (Continuous Charging) |
| Optional Travel Battery Available | 14° to 140° F (-10° to 60° C) |
| | No |



| | |
|-----------------------------------|--|
| AUDIO | |
| Codec | Qualcomm WCD9385 |
| Audio I/O Ports | 3.5mm Headset: CTIA only; Headphone-out |
| Internal Speaker Amplifier | WSA8845 |
| 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 Microsoft behavior. |
| Sampling | DAC: Supports resolutions from 16-bit to 32-bit;8.0 kHz to 192.0 kHz ADC: 16 bit to 48.0 kHz |
| Internal Speaker | Yes |



FINGERPRINT READER

| | |
|-----------------------------|------------------------------------|
| Sensor vendor | ELAN |
| Sensor type | Capacitive |
| DPI resolution | 508 DPI |
| Scan area | 80 x 80 pixels |
| False Rejection Rate | < 3% |
| False Acceptance Rate | < 0.001% |
| Mobile Voltage Operation | 2.7 V ~ 3.6 V |
| Operating Temperature | -20°C ~ 80°C (-4°F ~ 176°F) |
| Current Consumption Image | 35 mA max |
| Low Latency Wait For Finger | 300 uA |
| Capture Rate | 50 frames/sec |
| ESD Resistance | IEC 61000-4-2 4B (+15KV) |
| Detection Matrix | 508 dpi / 4.0 x 4.0 mm sensor area |

| | |
|-----------------------------|------------------------------------|
| 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

| Category | Description | Part Number |
|-----------------|---|-----------------|
| Adapters | 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 |
| Audio - Earbuds | 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 60/60+ Black Earbuds (2 Pieces) | 8L649AA,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,7Y8H2AA |
| | Poly Voyager Free 60+ UC M Carbon Black Earbuds +BT700 USB-C Adapter +Touchscreen Charge Case | 7Y8H0AA |
| | HP USB G2 Stereo Headset | 428H5AA |
| | Poly Blackwire 3210 Monaural USB-C Headset +USB-C/A Adapter | 8X214AA |
| | Poly Blackwire 3215 Monaural USB-C Headset +3.5mm Plug +USB-C/A Adapter | 8X227AA |
| Audio - Headset | Poly Blackwire 3220 Stereo USB-C Headset +USB-C/A Adapter | 93S87AA,8X228AA |
| | Poly Blackwire 3310 Monaural Microsoft Teams Certified USB-C Headset +USB-C/A Adapter | 8X216AA |
| | Poly Blackwire 3310 Monaural USB-C Headset +USB-C/A Adapter | 8X215AA |
| | Poly Blackwire 3315 Monaural Microsoft Teams Certified USB-C Headset +3.5mm Plug +USB-C/A Adapter | 8X218AA |
| | Poly Blackwire 3315 Monaural USB-C Headset +3.5mm Plug +USB-C/A Adapter | 8X217AA |
| | Poly Blackwire 3320 Stereo Microsoft Teams Certified USB-C Headset +USB-C/A Adapter | 8X220AA |
| | Poly Blackwire 3320 Stereo USB-C Headset +USB-C/A Adapter | 8X219AA |
| | Poly Blackwire 3325 Stereo Microsoft Teams Certified USB-C Headset +3.5mm Plug +USB-C/A Adapter | 8X222AA |
| | Poly Blackwire 3325 Stereo USB-C Headset +3.5mm Plug +USB-C/A Adapter | 8X221AA |
| | Poly Blackwire 5210 Monaural USB-C Headset +3.5mm Plug +USB-C/A Adapter | 8X230AA |
| | Poly Blackwire 5220 Stereo USB-C Headset +3.5mm Plug +USB-C/A Adapter | 8X231AA,93S88AA |



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| Poly Blackwire 8225 Stereo Microsoft Teams Certified USB-C Headset +USB-C/A Adapter | 8X225AA |
| Poly Blackwire 8225 Stereo USB-C Headset +USB-C/A Adapter | 8X223AA |
| Poly EncorePro 310 Monoaural USB-A Headset | 767G1AA |
| Poly EncorePro 310 Monoaural with Quick Disconnect Headset | 77T43AA |
| Poly EncorePro 310 USB-C Monoaural Headset | 760Q8AA |
| Poly EncorePro 320 Stereo USB-A Headset | 767G0AA |
| Poly EncorePro 320 Stereo USB-C Headset | 767F9AA |
| Poly EncorePro 320 with Quick Disconnect Binaural Headset | 77T26AA |
| Poly EncorePro 510 Monoaural Headset +Quick Disconnect | 783Q2AA |
| Poly EncorePro 515 Microsoft Teams Certified Monoaural with USB-A Headset | 783R1AA |
| Poly EncorePro 515 Monoaural with USB-A Headset | 783R0AA |
| Poly EncorePro 520 Binaural Headset +Quick Disconnect | 783P7AA |
| Poly EncorePro 525 Microsoft Teams Certified Stereo with USB-A Headset | 783R2AA |
| Poly EncorePro 525 USB-A Stereo Headset | 783R3AA |
| Poly EncorePro 530 Headset +Quick Disconnect | 783P3AA |
| Poly EncorePro 540 Convertible Headset +Quick Disconnect | 783P1AA |
| Poly EncorePro 715 USB-A Monoaural Headset | 783N5AA |
| Poly EncorePro 720 Binaural Headset +Quick Disconnect | 8R707AA |
| Poly EncorePro 725 USB-A Stereo Headset | 783M6AA |
| Poly EncorePro HW710 Single Ear Headset +Carry Case +Quick Disconnect | 8R708AA |
| Poly Savi 7310 Office DECT 1880-1900 MHz Single Ear Headset (EMEA + APJ) | 8D3G3AA |
| Poly Savi 7310 Office Monoaural DECT 1920-1930 MHz Headset (NA) | 7S430AA |
| Poly Savi 7310 UC Monoaural DECT 1880-1900 MHz Headset (EMEA + APJ) | 8L561AA |
| Poly Savi 7310 UC Monoaural DECT 1920-1930 MHz Headset (NA) | 8L570AA |
| Poly Savi 7310 UC Monoaural Microsoft Teams Certified DECT 1880-1900 MHz Headset (EMEA + APJ) | 8L575AA |
| Poly Savi 7310 UC Monoaural Microsoft Teams Certified DECT 1920-1930 MHz Headset (NA) | 8L585AA |
| Poly Savi 7310-M Office DECT 1880-1900 MHz Single Ear Headset (EMEA + APJ) | 8D3K7AA |
| Poly Savi 7310-M Office DECT 1920-1930 MHz Single Ear Headset (NA) | 7S439AA |
| Poly Savi 7320 Office Stereo DECT 1880-1900 MHz Headset (EMEA + APJ) | 8D3F7AA |
| Poly Savi 7320 Office Stereo DECT 1893-1906 MHz Headset (Japan) | 8D3F8AA |
| Poly Savi 7320 Office Stereo DECT 1910-1920 MHz Headset (NA) | 8D3G0AA |
| Poly Savi 7320 Office Stereo DECT 1920-1930 MHz Headset (NA) | 7S429AA |
| Poly Savi 7320 UC Stereo DECT 1880-1900 MHz Headset (EMEA + APJ) | 8L545AA |



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| Poly Savi 7320 UC Stereo DECT 1893-1906 MHz Headset (Japan) | 8L546AA |
| Poly Savi 7320 UC Stereo DECT 1920-1930 MHz Headset (NA) | 8L549AA |
| Poly Savi 7320 UC Stereo Microsoft Teams Certified DECT 1880-1900 MHz Headset (EMEA + APJ) | 8L553AA |
| Poly Savi 7320 UC Stereo Microsoft Teams Certified DECT 1893-1906 MHz Headset (Japan) | 8L555AA |
| Poly Savi 7320 UC Stereo Microsoft Teams Certified DECT 1920-1930 MHz Headset (NA) | 8L559AA |
| Poly Savi 7320-M Office Stereo DECT 1880-1900 MHz Headset (EMEA + APJ) | 8D3J6AA |
| Poly Savi 7320-M Office Stereo DECT 1893-1906 MHz Headset (Japan) | 8D3K2AA |
| Poly Savi 7320-M Office Stereo DECT 1910-1920 MHz Headset (NA) | 8D3K0AA |
| Poly Savi 7320-M Office Stereo DECT 1920-1930 MHz Headset (NA) | 7S435AA |
| Poly Savi 7410 Office Monaural DECT 1880-1900 MHz Headset (EMEA + APJ) | 8L589AA |
| Poly Savi 7410 Office Monaural DECT 1893-1906 MHz Headset (Japan) | 8L591AA |
| Poly Savi 7410 Office Monaural DECT 1920-1930 MHz Headset (NA) | 8L7D5AA |
| Poly Savi 7410 Office Monaural Microsoft Teams Certified DECT 1880-1900 MHz Headset (EMEA + APJ) | 8L593AA |
| Poly Savi 7410 Office Monaural Microsoft Teams Certified DECT 1893-1906 MHz Headset (Japan) | 8L594AA |
| Poly Savi 7410 Office Monaural Microsoft Teams Certified DECT 1910-1920 MHz Headset (NA) | 8L597AA |
| Poly Savi 7410 Office Monaural Microsoft Teams Certified DECT 1920-1930 MHz Headset (NA) | 8L7D7AA |
| Poly Savi 7420 Office Stereo DECT 1880-1900 MHz Headset (EMEA + APJ) | 8L560AA |
| Poly Savi 7420 Office Stereo DECT 1893-1906 MHz Headset (Japan) | 8L563AA |
| Poly Savi 7420 Office Stereo DECT 1910-1920 MHz Headset (NA) | 8L564AA |
| Poly Savi 7420 Office Stereo DECT 1920-1930 MHz Headset (NA) | 8L567AA |
| Poly Savi 7420 Office Stereo Microsoft Teams Certified DECT 1880-1900 MHz Headset (EMEA + APJ) | 8L574AA |
| Poly Savi 7420 Office Stereo Microsoft Teams Certified DECT 1893-1906 MHz Headset (Japan) | 8L576AA |
| Poly Savi 7420 Office Stereo Microsoft Teams Certified DECT 1910-1920 MHz Headset (NA) | 8L579AA |
| Poly Savi 7420 Office Stereo Microsoft Teams Certified DECT 1920-1930 MHz Headset (NA) | 8L583AA |
| Poly Savi 8210 Office DECT 1880-1900 MHz Single Ear Headset (EMEA + APJ) | 8D3K5AA |
| Poly Savi 8210 Office DECT 1910-1920 MHz Single Ear Headset (NA) | 8D3K6AA |
| Poly Savi 8210 Office DECT 1920-1930 MHz Single Ear Headset | 7S445AA |



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| (NA) | |
| Poly Savi 8210 UC DECT 1880-1900 MHz USB-A Headset (EMEA + APJ) | 8D3E9AA |
| Poly Savi 8210 UC DECT 1920-1930 MHz USB-A Headset (NA) | 77T29AA |
| Poly Savi 8210 UC Microsoft Teams Certified DECT 1880-1900 MHz USB-A Headset (EMEA + APJ) | 8D3F1AA |
| Poly Savi 8210 UC Microsoft Teams Certified DECT 1920-1930 MHz USB-A Headset (NA) | 77T31AA |
| Poly Savi 8210-M Office DECT 1880-1900 MHz Single Ear Headset (EMEA + APJ) | 8D3J8AA |
| Poly Savi 8210-M Office DECT 1910-1920 MHz Single Ear Headset (NA) | 8D3K1AA |
| Poly Savi 8210-M Office DECT 1920-1930 MHz Single Ear Headset (NA) | 7S447AA |
| Poly Savi 8220 Office Stereo DECT 1880-1890 MHz Headset (EMEA + APJ) | 8D3J1AA |
| Poly Savi 8220 Office Stereo DECT 1880-1900 MHz Headset (EMEA + APJ) | 8D3J2AA |
| Poly Savi 8220 Office Stereo DECT 1910-1920 MHz Headset (NA) | 8D3J4AA |
| Poly Savi 8220 Office Stereo DECT 1920-1930 MHz Headset (NA) | 7S4B5AA |
| Poly Savi 8220 Stereo DECT 1880-1900 MHz Top +Charging Cradle (EMEA + APJ) | 8Y9C4AA |
| Poly Savi 8220 UC DECT 1880-1900 MHz USB-A Headset (EMEA + APJ) | 8D3F2AA |
| Poly Savi 8220 UC DECT 1920-1930 MHz USB-A Headset (NA) | 77T33AA |
| Poly Savi 8220 UC Microsoft Teams Certified DECT 1880-1900 MHz USB-A Headset (EMEA + APJ) | 8D3F5AA |
| Poly Savi 8220 UC Microsoft Teams Certified DECT 1920-1930 MHz USB-A Headset (NA) | 77Y82AA |
| Poly Savi 8220-M Office Stereo DECT 1880-1900 MHz Headset (EMEA + APJ) | 8D3H8AA |
| Poly Savi 8220-M Office Stereo DECT 1910-1920 MHz Headset (NA) | 8D3J0AA |
| Poly Savi 8220-M Office Stereo DECT 1920-1930 MHz Headset (NA) | 7S4B6AA |
| Poly Savi 8245 DECT 1880-1900 MHz Headset +USB-A to USB-C Cable +D400 (EMEA + APJ) | 8D3H2AA |
| Poly Savi 8245 Office DECT 1880-1900 MHz USB-A Headset (EMEA + APJ) | 8D3H1AA |
| Poly Savi 8245 Office DECT 1920-1930 MHz USB-A Headset (NA) | 7W6D1AA |
| Poly Savi 8245-M Microsoft Teams Certified DECT 1880-1900 MHz USB-A Headset +D200 (EMEA + APJ) | 8D3F4AA |
| Poly Savi 8245-M Office Microsoft Teams Certified DECT 1880-1900 MHz USB-A Headset (EMEA + APJ) | 8D3H7AA |
| Poly Savi 8245-M Office Microsoft Teams Certified DECT 1920-1930 MHz USB-A Headset (NA) | 7W069AA |
| Poly Savi 8410 Office Monaural DECT 1880-1900 MHz Headset | 8L5A7AA |



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| (EMEA + APJ) | |
| Poly Savi 8410 Office Monaural DECT 1920-1930 MHz Headset (NA) | 8L7E6AA |
| Poly Savi 8410 Office Monaural Microsoft Teams Certified DECT 1880-1900 MHz Headset (EMEA + APJ) | 8L5A9AA |
| Poly Savi 8410 Office Monaural Microsoft Teams Certified DECT 1920-1930 MHz Headset (NA) | 8L7E9AA |
| Poly Savi 8420 Office Stereo DECT 1880-1900 MHz Headset (EMEA + APJ) | 8L5B2AA |
| Poly Savi 8420 Office Stereo DECT 1920-1930 MHz Headset (NA) | 8L7F2AA |
| Poly Savi 8420 Office Stereo Microsoft Teams Certified DECT 1880-1900 MHz Headset (EMEA + APJ) | 8L5B3AA |
| Poly Savi 8420 Office Stereo Microsoft Teams Certified DECT 1920-1930 MHz Headset (NA) | 8L7F5AA |
| Poly Savi 8445 Office DECT 1880-1900 MHz Convertible Headset (EMEA + APJ) | 8L5B4AA |
| Poly Savi 8445 Office DECT 1920-1930 MHz Convertible Headset (NA) | 8L7F8AA |
| Poly Savi 8445 Office Microsoft Teams Certified DECT 1880-1900 MHz Convertible Headset (EMEA + APJ) | 8L5B6AA |
| Poly Savi 8445 Office Microsoft Teams Certified DECT 1920-1930 MHz Convertible Headset (NA) | 8L7F1AA |
| Poly Voyager 4310 Microsoft Teams Certified Headset +BT700 dongle +Charging Stand | 77Y93AA |
| Poly Voyager 4310 Microsoft Teams Certified USB-A Headset +BT700 dongle | 77Y91AA |
| Poly Voyager 4310 Microsoft Teams Certified USB-C Headset +BT700 dongle | 77Y95AA |
| Poly Voyager 4310 UC Monaural Headset +BT700 USB-A Adapter +Charging Stand | 77Y92AA |
| Poly Voyager 4310 USB-A Headset +BT700 dongle | 76U48AA |
| Poly Voyager 4310 USB-C Headset +BT700 dongle +Charging Stand | 77Y96AA |
| Poly Voyager 4310 USB-C Headset +BT700 dongle | 77Y94AA |
| Poly Voyager 4310-M Microsoft Teams Certified USB-C Headset +BT700 dongle +Charging Stand | 77Y97AA |
| Poly Voyager 4310-M UC Headset +USB-A to USB-C Cable +BT700 dongle | 7Y210AA |
| Poly Voyager 4320 Microsoft Teams Certified Headset +BT700 dongle +Charging Stand | 77Z00AA |
| Poly Voyager 4320 Microsoft Teams Certified USB-A Headset +BT700 dongle | 77Y98AA |
| Poly Voyager 4320 Microsoft Teams Certified USB-C Headset +BT700 dongle | 77Z30AA |
| Poly Voyager 4320 UC Stereo USB-A Headset +BT700 USB-A Adapter +Charging Stand | 77Y99AA |
| Poly Voyager 4320 USB-A Headset +BT700 dongle | 76U49AA |



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| Audio - Speaker phone | Poly Voyager 4320 USB-C Headset +BT700 dongle +Charging Stand | 77Z31AA |
| | Poly Voyager 4320 USB-C Headset +BT700 dongle | 76U50AA |
| | Poly Voyager 4320-M +USB-A to USB-C Cable +BT700 dongle | 7Y211AA |
| | Poly Voyager 4320-M Microsoft Teams Certified Headset +BT700 dongle +Charging Stand | 77Z32AA |
| | Poly Voyager Focus 2 Microsoft Teams Certified USB-C-C Headset +USB-C/A Adapter +Charging Stand | 9T9J6AA |
| | Poly Voyager Focus 2 USB-C-C Headset +USB-C/A Adapter | 9T9J3AA |
| | Poly Voyager Focus 2 USB-C-C Headset +USB-C/A Adapter +Charging Stand | 9T9J5AA |
| | Poly Voyager Surround 80 UC Microsoft Teams Certified USB-C Black Headset +USB-C/A Adapter | 9D452AA |
| | Poly Voyager Surround 80 UC Microsoft Teams Certified USB-C Headset +USB-C/A Adapter | 8H2G3AA,8G7U0AA |
| | 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 | 8G7T9AA |
| | Poly Voyager Surround 85 UC Microsoft Teams Certified USB-C Headset +USB-C/A Adapter +Charging Stand | 8G7T8AA |
| | Poly Voyager Surround 85 UC USB-C Headset +USB-C/A Adapter +Charging Stand | 8G7T7AA |
| | Poly Sync 10 Microsoft Teams Certified Speakerphone | 77P34AA |
| | Poly Sync 10 Speakerphone +USB-A to USB-C Cable | 7S4M6AA |
| | Poly Sync 10 USB-A USB-C Speakerphone | 772C3AA |
| | Poly Sync 20 Microsoft Teams Certified USB-A Speakerphone | 772C8AA |
| | Poly Sync 20 USB-A Speakerphone | 772D2AA |
| | Poly Sync 20 USB-C Speakerphone | 7F0J7AA |
| | Poly Sync 20+ Microsoft Teams Certified USB-A Speakerphone | 772C9AA |
| | Poly Sync 20+ Microsoft Teams Certified USB-C Speakerphone | 772D1AA |
| | Poly Sync 20+ USB-A Speakerphone | 772C6AA |
| | Poly Sync 20+ USB-C Speakerphone | 772D0AA |
| | Poly Sync 20+M Speakerphone +USB-A to USB-C Cable +BT700 dongle +Pouch | 7Y215AA |
| | Poly Sync 20-M Microsoft Teams Certified USB-C Speakerphone | 7F0J8AA |
| | Poly Sync 20-M Speakerphone +USB-A to USB-C Cable | 7S4M1AA |
| | Poly Sync 40 Microsoft Teams Certified Speakerphone | 77P35AA |
| | Poly Sync 40 USB-A USB-C Speakerphone | 772C4AA |
| | 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 | 77P41AA |
| | Poly Sync 60 Speakerphone | 772C2AA |
| Camera | HP 435 Webcam | 77B10AA |
| | HP 625 Webcam | 6Y7L1AA |
| | HP USB-A 325 Webcam | 53X27AA,53X27UT |



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| Cases | HP 115 15.6 Laptop Backpack | 8DV45AA |
| | 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 215 15.6 Laptop Backpack | 35L98AA,35L98UTT |
| | HP 225 15.6 Laptop Backpack | 2P7U6AA,2P7U6UT |
| | HP 235 15.6 Laptop Backpack | 35M00AA |
| | HP 315 15.6 Laptop Backpack | 35L97AA |
| | 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 Everyday 14 odyssey gray Laptop Bag | A08KJAA |
| | HP Everyday 14 odyssey gray Laptop Briefcase | A08KGAA |
| | 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 Prelude 15.6 Backpack | 1E7D6UT,50P32AA |
| | HP Prelude 15.6 Top Load | 1E7D7AA,50P31AA |
| | HP Prelude Pro Recycled 15.6 Backpack | 1X644AA |
| | HP Prelude Pro Recycled 15.6 Top Load | 1X645AA |
| | HP Renew Business 14.1 Laptop Bag | 3E5F9AA |
| | HP Renew Business 14.1 Laptop Sleeve | 3E2U7AA |
| | HP Renew Business 15.6 Laptop Bag | 3E5F8AA |
| | HP Renew Business 17.3 Laptop Backpack | 3E2U5UT |
| | HP Renew Business 17.3 Laptop Bag | 3E2U6AA |
| | HP Renew Executive 14.1 Laptop Sleeve | 6B8Y3AA |
| | HP Renew Executive 16 Laptop Backpack | 6B8Y1AA,6B8Y1UT |
| | HP Renew Executive 16 Laptop Bag | 6B8Y2AA |
| | HP Travel 18 Liter 15.6 iron gray Laptop Backpack | 6H2D9AA |
| | HP Travel 25 Liter 15.6 iron gray Laptop Backpack | 6H2D8AA |
| | HP Travel Plus 14 Laptop Bag | A2CE2AA |
| | HP Travel Plus 16 Laptop Bag | A2CE1AA |
| | HP Travel Plus 17 Laptop Backpack | A2CE0AA |
| 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 |
| Docking | HP Thunderbolt™ 100W G6 Dock | 9X472UT |
| | HP Thunderbolt™ 180W G6 Dock | 9X481UT |



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| Hub | HP Thunderbolt™ 280W G6 Dock | AW5M5UT |
| | HP USB-C™ 120W G5 Dock | 5TW10AA |
| | HP 4K USB-C Multiport Hub | 6G843AA,6G843UT |
| | HP Universal USB-C Hub and Laptop Charger Combo | 9H0H9AA |
| | HP Universal USB-C Multiport Hub | 50H55UT |
| Keyboard | HP USB-C to USB-A Hub | Z6A00AA |
| | HP USB-C Travel Hub G3 | 86S97AA,86S97UT |
| | HP 125 G2 Wired Keyboard | AY2Y7AA |
| | HP 225 Wireless Keyboard | 805T1AA,805T1UT |
| | HP 320K G2 Wired Keyboard | 9SR37UT, 9SR37AA |
| | HP 355 Compact Multi-Device Keyboard | 692S9AA |
| | HP 405 Multi-Device Backlit Wired Keyboard | 7N7C1AA,7N7C1UT |
| | HP 435 Programmable Wireless Keypad | 7N7C3AA |
| | HP 455 G2 Programmable Wireless Keyboard | B08ZDAA |
| | HP 455 Programmable Wireless Keyboard | 4R177AA |
| | HP 475 Dual-Mode Wireless Keyboard | 7N7B9AA,7N7B9UT |
| | HP 485 Comfort Wired Keyboard | 8T6M2AA |
| | HP 685 Comfort Dual-Mode Keyboard | 8T6L9UT |
| | HP 725 Multi-Device Rechargeable Wireless Keyboard | 9T5B2AA |
| | HP 965 black Ergonomic Wireless Keyboard | 7E756AA |
| Keyboard & Mouse Combo | HP 975 Dual-Mode USB+Bluetooth Wireless Keyboard | 3Z726AA |
| | HP 225 Wired Mouse and Keyboard Combo | AX2Y7AA |
| | HP 225 Wired Mouse and Keyboard Combo | AW5S6AA |
| | HP 235 Wireless Mouse and Keyboard Combo | 1Y4D0AA,1Y4D0UT |
| | HP 655 Wireless Keyboard and Mouse Combo | 4R009AA |
| | HP 655 Wireless Keyboard and Mouse Combo White | 860P8AA |
| | HP 655 Wireless Keyboard and Mouse Combo G2 | 4R009UT |
| | HP 655 Wireless Keyboard and Mouse Combo G2 White | B08ZGAA |
| | HP 685 Comfort Dual-Mode Keyboard and Mouse Combo | 8T6L7UT |
| | HP 725 Multi-Device Rechargeable Wireless Keyboard and Mouse Combo | 9T5B0UT |
| Mouse | HP Wired Desktop 320MK Mouse and Keyboard | 9SR36AA,9SR36UT |
| | HP 105 Black Wired Mouse | 822M9UT |
| | 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 |
| | HP 245 Black Bluetooth Mouse | 81S67AA,81S67UT |
| | HP 255 Dual Wireless Mouse | 8R3U1AA,8R3U1UT |
| | HP 285 Silent Wireless Mouse | 6G4E6AA |
| | HP 320M Wired Mouse | 9VA80AA |
| | HP 405 Quiet Black Wireless Mouse | AZ7B3AA |
| | HP 425 Programmable Wireless Mouse | 7M1D5AA |
| | HP 435 Multi-Device Wireless Mouse | 3B4Q5UT |



Power

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| HP 515 Ultra-Fast Rechargeable Wireless Mouse | 9C2F7AA |
| HP 685 Comfort Dual-Mode Mouse | 8T6M0UT |
| HP 695 Qi-Charging Wireless Mouse | 8F1Y4AA |
| HP 705 Rechargeable Wireless Mouse | AZ7B1AA |
| HP 715 Rechargeable Multi-Device Bluetooth Mouse | 6E6F0AA |
| HP 925 Ergonomic Vertical Wireless Mouse | 6H1A5AA |
| HP Creator Black 935 Wireless Mouse | 1D0K8AA |
| HP Travel USB Mouse | G1K28AA |
| HP 110W USB-C Laptop Charger | 8B3Y2UT |
| HP 65W GaN USB-C LC Laptop Charger | 9Y3X5AA,9Y3X5UT |
| HP 65W LC USB-C AC power adapter | 1P3K6AA |
| HP 65W GaN USB-C Laptop Charger | 600Q8UT |
| HP 65W USB-C Laptop Charger | 671R3AA,671R3UT |



CHANGELOG

| Date of change | Version History | | Description of change |
|----------------|-----------------|---------|-------------------------------|
| April 22, 2025 | V1 to V2 | Updated | Software and Security Section |
| May 14, 2025 | V2 to V3 | Updated | Battery Life Section |

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