

HP EliteBook X G2q 14 inch Notebook Next Gen AI PC



Also available in
Atmospheric Blue



Front

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



Sides

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

PRODUCT NAME

HP EliteBook X G2q 14 inch Notebook Next Gen AI PC



OPERATING SYSTEM

Preinstalled

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

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

Windows 11 Pro ¹

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

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



PROCESSORS

Processor ²	Cores	Cache	Max Multithread Frequency	Integrated Graphic	NPU
Snapdragon® X2 Elite processor X2E-90-100	18 cores	53 MB	4.04 GHz	Qualcomm® Adreno™	85 TOPS
Snapdragon® X2 Elite processor X2E-84-100	12 cores	34 MB	4.04 GHz	Qualcomm® Adreno™	85 TOPS
Snapdragon® X2 Plus processor X2P-42-100	6 cores	22 MB	4.04 GHz	Qualcomm® Adreno™	80 TOPS

Processor Family

Snapdragon® X2 Elite processor

Snapdragon® X2 Plus processor

2. 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. Potential NPU inferencing performance varies by use, configuration, and other factors.



GRAPHICS

Integrated

Qualcomm Adreno™ GPU

Supported protocols

Support DirectX® 12, HDCP 2.3, HDMI 2.1 (up to 4K 60Hz)

Display supported (including internal display; dock may be required) up to 4

Codec

Hardware Acceleration HEVC (H.265) CODEC is supported



DISPLAY

Availability may vary by country.

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

Non-Touch

35.6 cm (14") diagonal, WUXGA (1920 x 1200), LCD, UWVA, Anti-Glare, Low Blue Light, 800 nits, sRGB 100%, Sure View 6³

35.6 cm (14") diagonal, 3K (2880 x 1800), OLED, 120Hz (VRR), UWVA, Anti-Glare, OLED+Low Blue Light, 500 nits, DCI-P3 100%

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), OLED, UWVA, Anti-Glare, OLED+Low Blue Light, 300 nits, DCI-P3 100%

Touch

35.6 cm (14") diagonal, WUXGA (1920 x 1200), LCD, Touch on Panel, UWVA, Anti-Glare, Low Blue Light, 800 nits, sRGB 100%, Sure View 6

35.6 cm (14") diagonal, 3K (2880 x 1800), Tandem OLED, 120Hz (VRR), Direct Bonding Touch Screen, UWVA, BrightView, OLED+Low Blue Light, 700 nits, DCI-P3 100%

35.6 cm (14") diagonal, WUXGA (1920 x 1200), LCD, Touch on Panel, UWVA, Anti-Glare, WLED, 500 nits, sRGB 100%

Display Size (Diagonal)

35.6 cm (14")

Aspect Ratio

16:10

Screen to Body Ratio

Up to 90.08%

Max Hinge Open Angle

177 ± 3°

3. HP Sure View integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.



DOCKING (SOLD SEPARATELY)

Docking station model name

HP Thunderbolt™ 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

1 x HDMI 2.1, 2 x DisplayPort 1.4, 1 x Thunderbolt 4

Technical limitations

*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.

Thunderbolt Hosts:

Maximum of (4) displays with maximum resolution of 5K@ 30Hz running Thunderbolt host.

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.



Due to system architecture limitations, users can either enable the dock to charge the PC or allow PC to charge external devices through USB-C ports when PC is in S4 (hibernation) or S5 (off) state. The “USB Charging” setting in F10 settings is currently set to disabled, which allows the dock to charge the PC but disables the PC’s capability to charge external devices through USB-C ports in S4/S5. Devices can be charged via any USB port on the dock. To change this, visit the “USB Charging” setting in F10 and change to enable and connect the PC’s AC adapter to continue use with the dock.

Docking station model name

HP Thunderbolt™ 180W 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

1 x HDMI 2.1, 2 x DisplayPort 1.4, 1 x Thunderbolt 4, 1 x USB-C 3.2 Gen 2 DisplayPort

Technical limitations

*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.

Thunderbolt Hosts:

Maximum of (4) displays with maximum resolution of 5K@ 30Hz running Thunderbolt host.

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.

Due to system architecture limitations, users can either enable the dock to charge the PC or allow PC to charge external devices through USB-C ports when PC is in S4 (hibernation) or S5 (off) state. The “USB Charging” setting in F10 settings is currently set to disabled, which allows the dock to charge the PC but disables the PC’s capability to charge external devices through USB-C ports in S4/S5. Devices can be charged via any USB port on the dock. To change this, visit the “USB Charging” setting in F10 and change to enable and connect the PC’s AC adapter to continue use with the dock.

Docking station model name

HP Thunderbolt™ 280W 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

1 x HDMI 2.1, 2 x DisplayPort 1.4, 1 x Thunderbolt 4, 1 x USB-C 3.2 Gen 2 DisplayPort

Technical limitations

*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.

Thunderbolt Hosts:

Maximum of (4) displays with maximum resolution of 5K@ 30Hz running Thunderbolt host.



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.

Due to system architecture limitations, users can either enable the dock to charge the PC or allow PC to charge external devices through USB-C ports when PC is in S4 (hibernation) or S5 (off) state. The "USB Charging" setting in F10 settings is currently set to disabled, which allows the dock to charge the PC but disables the PC's capability to charge external devices through USB-C ports in S4/S5. Devices can be charged via any USB port on the dock. To change this, visit the "USB Charging" setting in F10 and change to enable and connect the PC's AC adapter to continue use with the dock.

Docking station model name

HP USB-C™ 100W G6 Dock

Total number of supported displays (incl.the notebook) display)

3

Max. resolutions supported

(1) 4K @ 120hz*

(2) 4K @ 120hz*

(3) 4K @ 60hz*

Dock Connectors

1 x HDMI 2.1, 2 x DisplayPort 1.4

Technical limitations

*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.



Highest resolution with dual displays is two 8K@ 30Hz 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.

Due to system architecture limitations, users can either enable the dock to charge the PC or allow PC to charge external devices through USB-C ports when PC is in S4 (hibernation) or S5 (off) state. The “USB Charging” setting in F10 settings is currently set to disabled, which allows the dock to charge the PC but disables the PC’s capability to charge external devices through USB-C ports in S4/S5. Devices can be charged via any USB port on the dock. To change this, visit the “USB Charging” setting in F10 and change to enable and connect the PC’s AC adapter to continue use with the dock.



STORAGE AND DRIVES

Storage

2 TB PCIe® Gen5 NVMe™ SSD Value ⁴

2 TB PCIe® Gen5x4 NVMe™ Self Encrypted OPAL2 SSD ⁴

2 TB PCIe® Gen5x4 NVMe™ SSD ⁴

1 TB PCIe® Gen5 NVMe™ SSD Value ⁴

1 TB PCIe® Gen5x4 NVMe™ Self Encrypted OPAL2 SSD ⁴

1 TB PCIe® Gen5x4 NVMe™ SSD ⁴

1 TB PCIe® NVMe™ SSD Value ⁴

512 GB PCIe® Gen5 NVMe™ Self Encrypted OPAL2 SSD Value ⁴

512 GB PCIe® Gen5 NVMe™ SSD Value ⁴

512 GB PCIe® NVMe™ SSD Value ⁴

4. 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

64GB LPDDR5X-9600 MT/s (onboard) ⁵

Memory

64GB LPDDR5X-9600 MT/s (onboard) ⁵

32GB LPDDR5X-9600 MT/s (onboard) ⁵

24GB LPDDR5X-9600 MT/s (onboard) ⁵

16GB LPDDR5X-9600 MT/s (onboard) ⁵

Memory Slots

No memory slots. Memory soldered down.

System runs at 9600 MT/s

Supports Dual Channel Memory.

Memory is non-accessible / non-upgradeable.

[5. 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.

WLAN

Qualcomm® FastConnect 7800 Wi-Fi 7 Bluetooth® 5.4 WW WLAN ⁶

WWAN

Qualcomm® Snapdragon™ X72 5G Solution ⁷

Qualcomm® Snapdragon™ X72 5G HP Go ⁷

Miracast

Native Miracast Support ⁸

6. Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.11BE) functionality requires compatible Windows OS, select processor, and a Wi-Fi 7 router, sold separately. Wi-Fi 7 is backwards compatible with prior 802.11 specs. Available in countries where Wi-Fi 7 is supported. 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.

7. 5G module is optional. WWAN-ready configuration must be selected at purchase to add WWAN at a later date. Module designed for 5G NR NSA (non-standalone) networks as carriers deploy Evolved-Universal Terrestrial Radio Access New Radio Dual Connectivity (ENDC) with both 100Mhz of 5G NR and LTE channel bandwidth, using 256QAM 4x4 as defined by 3GPP. Module requires activation and separately purchased service contract. Check with service provider for coverage and availability in your area. Data connection, upload and download speeds will vary due to network, location, environment, network conditions, and other factors. Backwards compatible to 4G LTE and 3G HSPA technologies. 5G module planned to be available in select platforms and select countries, where carrier supported.

8. 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

Enhanced by AI noise reduction

Speaker Power

1W / 8 ohm per speaker

Camera

5MP AI camera, IR camera

Sensors

Ambient Light Sensor ⁹

Color Sensor with Ambient Light Sensing

Fingerprint Sensor

Gyroscope

Hall Effect Sensor

HP Sure Platform

Intruder detection

Inertial Measurement Unit Sensor

Thermal Sensor

[9. Ambient light sensor included with Sure View display configurations.](#)



KEYBOARDS/POINTING DEVICES/BUTTONS & FUNCTION KEYS

Keyboard

HP Premium Keyboard, spill-resistant, Backlit keyboard

HP Premium Keyboard, spill-resistant, Privacy, Backlit keyboard

Pointing Device

Clickpad ; Haptic Trackpad

Microsoft Precision Touchpad Default Gestures Support

Multi-touch gesture support

Function Keys

ESC - System information

F1 - Audio Mute

F2 - Volume Down

F3 - Volume Up

F4 - Mic Mute

F5 - Media (KB backlight for Brazilian)

F6 - Display Switching

F7 - Sure View (Snipping for non Sure view)

F8 - Brightness Down

F9 - Brightness up

F10 - Keyboard Backlight (Copilot for Brazilian)

F11 - Programmable Key (HP app)

F12 - Home

End

Insert

Delete

Power Button (with LED)

Microsoft Copilot¹⁰



Hidden Function Keys

Fn+R - Break, Fn+S - Sys Rq, Fn+C - Scroll Lock, Fn+Copilot - Context Menu

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



SOFTWARE AND SECURITY

Application Software

Buy Microsoft Office (Sold Separately) ¹¹

Edge Customization

HP Hotkey Support (ARM64)

HP IQ (ARM) ¹²

HP PC Hardware Diagnostics UEFI

HP PC Hardware Diagnostics Windows - ARM

HP Privacy Settings

HP Support Assistant¹³

HSA Fusion for Commercial on ARM

HP app ¹⁴

Poly Studio Desktop ¹⁵

Manageability Features

HP Client Catalog (download) ¹⁶

HP Client Management Script Library (download) ¹⁷

HP Cloud Recovery Client for SSRU

HP Connect for Microsoft Endpoint Manager¹⁸

HP Image Assistant (download) ¹⁹

HP Manageability Integration Kit (download) ²⁰

HP Power Manager with Battery Health Manager (download) ²¹

Security Features

Secured-Core PC Enable ²²

HP Wolf Security for Business for ARM ²³

Security- TPM

Model

Model: Nuvoton NPCT760HAEYX



Firmware Version

Firmware Version: 7.2.4.1

TCG

TCG TPM 2.0

FIPS 140-3 Compliant

FIPS 140-3 Compliant: Yes

BIOS

Pre-Boot UEFI Wi-Fi Support

UEFI Support

IPv6 Support

Yes

FirstNet Certified

Yes

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

Yes

UEFI version

2.9

Class

3

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

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



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13. HP Support Assistant is available on Windows. For more information, please visit <http://www.support.hp.com/help/hp-support-assistant>
 14. HP app with Multicamera support for Mini Desktop PC will only available on 13th processor and beyond.
 15. Poly Lens Desktop requires a Windows OS.
 16. HP Client Catalog not preinstalled, however available for download at (<https://www.hp.com/us-en/solutions/client-management-solutions.html>).
 17. HP Client Management Script Library (<https://www.hp.com/us-en/solutions/client-management-solutions.html#tab=manageability-tools>).
 18. HP Connect for Microsoft Endpoint Manager is available from the Azure Market Place for HP Pro, Elite, Z and Point-of-Sale PCs managed with Microsoft Endpoint Manager. Subscription to Microsoft Endpoint Manager required and sold separately. Network connection required.
 19. HP Image Assistant not preinstalled, however available for download at (<https://ftp.ext.hp.com/pub/caps-softpaq/cmit/HPIA.html>)
 20. HP Manageability Integration Kit can be downloaded from <http://www.hp.com/go/clientmanagement>.
 21. HP Power Manager with Battery Health can be downloaded by entering your system information here: https://support.hp.com/in-en/document/ish_4449597-3519507-16.
 22. Secured-Core PC Enable requires an Intel® vPro®, AMD Ryzen™ Pro processor or Qualcomm® processor with SD850 or higher and requires 8 GB or more system memory. Secured-core PC is enabled from the factory.
 23. HP Wolf Security for Business requires Windows 10 or 11 (Pro or Home) or higher, includes various HP security features and is available on HP X, Ultra, Pro, Elite, Engage and Workstation products. See product details for included security features.
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POWER

Power supply availability may vary by country.

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

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

Power Supply

100W Wall Mount USB Type-C® GaN Halogen Free AC power adapter

65W Wall Mount USB Type-C® GaN Halogen Free AC power adapter

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

Battery

HP Long Life 6 cell, 68Wh Polymer

HP Long Life 3 cell, 56Wh Polymer

Battery Recharge Time

Supports battery HP Fast Charge: approximately 50% in 30 minutes ²⁴

Power Cord

3-wired plug- 1.0m for standard type adapter

Battery life

Video playback : Up to 31 hours 15 minutes with 68Whr battery (Snapdragon® X2 Elite X2E-90-100, UMA graphic, brightness set to 150nits on a 14-inch WUXGA 400nits LP LCD display, 32GB LPDDR5X memory, 512GB SSD) ²⁵

Teams 3x3 : Up to 15 hours 30 minutes with 68Whr battery (Snapdragon® X2 Elite X2E-90-100, UMA graphic, brightness set to 150nits on a 14-inch WUXGA 400nits LP LCD display, 32GB LPDDR5X memory, 512GB SSD) ²⁶

Web Browsing: Up to 26 hours with 68Whr battery (Snapdragon® X2 Elite X2E-90-100, UMA graphic, brightness set to 150nits on a 14-inch WUXGA 400nits LP LCD display, 32GB LPDDR5X memory, 512GB SSD) ²⁷

24. 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.



25. Test configuration: Battery life based on video playback, WUXGA (1920 x 1200) resolution, 150nits brightness, system audio level as image default, player audio level at 50 %, played full-screen from local storage, headphone attached, wireless on but not connected. Actual battery life will vary depending on configuration and maximum capacity will naturally decrease with time and usage.

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

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



WEIGHT & DIMENSIONS

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

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

Product Weight

Starting at 1.045 kg (2.3 lb) with 56.00 Wh battery

Product Dimensions (w x d x h)²⁸

Width: 312.7 mm (12.31 in)

Depth: 217 mm (8.54 in)

Height Front: 7.73mm (0.30 in) - 7.75 mm (0.31 in)

Height Rear: 13.15 mm (0.52 in) - 14.35 mm (0.56 in)

Maximum Height 15.95 mm (0.63 in) - 17.15 mm (0.68 in)

Packaging and Pallet Dimensions

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

²⁸. Typical dimension. Actual dimension may vary +/- 0.5mm. Height may vary based on configuration. Maximum Height does not include Rubber feet.



PORTS/SLOTS

Left side

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

Right side

- 1 x USB4® with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4)
 - 1 x USB Type-A 5Gbps signaling rate (Powered)
 - 1 x Nano SIM card slot (optional)
 - 1 x Nano Security slot
-



ENVIRONMENTAL DATA

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 8.5% ocean bound plastic in the Speaker enclosure and 30% in keyboard button membrane¹ • At least 25% post-consumer recycled plastic² • At least 85% recycled metal³ • External Power Supply 90% Efficiency • Low Halogen⁴ • 100% of HP paper-based packaging is from recycled or certified sustainable sources⁵ • Bulk packaging available 																						
	System Configuration Energy Consumption (in accordance with US ENERGY STAR® test method)	<p>The configuration used for the Energy Consumption and Declared Noise Emissions data for the Notebook model is based on a "Typically Configured Notebook".</p> <table border="1" data-bbox="634 1444 1576 1808"> <thead> <tr> <th></th> <th>115VAC, 60Hz</th> <th>230VAC, 50Hz</th> <th>100VAC, 50Hz</th> </tr> </thead> <tbody> <tr> <td>Normal Operation (Sort idle)</td> <td>3.29 W</td> <td>3.28 W</td> <td>3.23 W</td> </tr> <tr> <td>Normal Operation (Long idle)</td> <td>0.74 W</td> <td>0.72 W</td> <td>0.71 W</td> </tr> <tr> <td>Sleep</td> <td>0.74 W</td> <td>0.72 W</td> <td>0.71 W</td> </tr> <tr> <td>Off</td> <td>0.19 W</td> <td>0.25 W</td> <td>0.19 W</td> </tr> </tbody> </table>				115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz	Normal Operation (Sort idle)	3.29 W	3.28 W	3.23 W	Normal Operation (Long idle)	0.74 W	0.72 W	0.71 W	Sleep	0.74 W	0.72 W	0.71 W	Off	0.19 W	0.25 W	0.19 W
	115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz																					
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Off	0.19 W	0.25 W	0.19 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)	11 BTU/hr	11 BTU/hr	11 BTU/hr
Normal Operation (Long idle)	3 BTU/hr	2 BTU/hr	2 BTU/hr
Sleep	3 BTU/hr	2 BTU/hr	2 BTU/hr
Off	1 BTU/hr	1 BTU/hr	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_{WA}, bels)		Sound Pressure (L_{pAm}, decibels)
Typically Configured - Idle	2.6		18.4
Fixed Disk - Random writes	2.6		14.3
Active mode - Sequential reads	4.4		35.2
Longevity and Upgrading	<p>This product can be upgraded, possibly extending its useful life by several years. Upgradeable features and/or components contained in the</p> <p>Spare parts are available throughout the warranty period and or for up to “5” years after the end of production.</p>		



	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 93.6% recycle-able when properly disposed of at end of life. 							
	Packaging Materials	External:	<table border="1"> <tr> <td>PAPER/Corrugated</td> <td>230 g</td> </tr> <tr> <td>PAPER/Molded Pulp</td> <td>88.80 g</td> </tr> <tr> <td>PAPER/Paper</td> <td>25.17 g</td> </tr> </table> <p>The plastic packaging material contains at least 0% recycled content.</p> <p>The corrugated paper packaging materials contains at least 49.54% recycled content.</p>	PAPER/Corrugated	230 g	PAPER/Molded Pulp	88.80 g	PAPER/Paper	25.17 g
PAPER/Corrugated	230 g								
PAPER/Molded Pulp	88.80 g								
PAPER/Paper	25.17 g								
	RoHS Compliance	<p>HP Inc. complies fully with materials regulations. We were among the first companies to extend the restrictions in the European Union (EU) Restriction of Hazardous Substances (RoHS) Directive to our products worldwide through the HP GSE. HP has contributed to the development of related legislation in Europe, as well as China, India, and Vietnam.</p> <p>We believe the RoHS directive and similar laws play an important role in promoting industry-wide elimination of substances of concern. We have supported the inclusion of additional substances—including PVC, BFRs, and certain phthalates—in future RoHS legislation that pertains to electrical and electronics products.</p> <p>We met our voluntary objective to achieve worldwide compliance with the new EU RoHS requirements for virtually all relevant products by July 2013, and we will continue to extend the scope of the commitment to include further restricted substances as regulations continue to evolve.</p> <p>To obtain a copy of the HP RoHS Compliance Statement, see HP RoHS position statement.</p>							



	<p>Material Usage</p>	<p>This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at 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 (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)
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	<p>Packaging Usage</p>	<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.
	<p>End-of-life Management and Recycling</p>	<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>

	<p>HP, Inc. Corporate Environmental Information</p>	<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_tcolSO • ISO 14001 certificates <ul style="list-style-type: none"> ○ https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=c04777932
	<p>Footnotes</p>	<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. Batteries have a default one year limited warranty. 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>.²⁹

29. 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 35° C (32° to 95° F)
Non - operating	-20° to 60° C (-4° to 140° 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	3,048 m (10,000 ft)
Non - operating	12,192 m (40,000 ft)

Industry Standard Certifications

Regulatory Model Number	HSN-I66C-4
CSA/UL 62368-1	Yes
ENERGY STAR® 1	Yes
FCC/ICES/CISPR/VCCI	Yes
CE MARKING	Yes
GS Mark	No
China CCC/SRRC/CEL	Yes
Taiwan BSMI/NCC	Yes
Korea KCC/KC/KES	Yes
Ukraine NSoC/TEC	Yes
EAEU Compliance	Yes
Saudi Arabian Compliance	Yes



TCO	Yes
EPEAT Gold ²	Yes
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 ³	MIL-STD 810H

1. Configurations that are ENERGY STAR® qualified are identified as ENERGY STAR on HP websites and on <http://www.energystar.gov>
2. Based on US registration according to EPEAT criteria and EPEAT Climate+, status and tier level varies by country. Visit <http://www.epeat.net> for more information.
3. MIL STD testing is not intended to demonstrate fitness for U.S. Department of Defense contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.



DISPLAYS

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

Availability may vary by country

35.6 cm (14") diagonal, WUXGA (1920 x 1200), LCD, UWVA, Anti-Glare, WLED+Low Blue Light, 800 nits, sRGB 100%, Sure View 6¹	Active Area	301.590 x 188.500 mm (typ)
	Dimensions (W x H)	306.890 x 197.900 mm (max)
	Weight	230 g (max)
	Diagonal Size	14 inch
	Surface Treatment	Anti-Glare
	Touch Enabled	No
	Contrast Ratio	1500:1 (typ)
	Refresh Rate	60Hz
	Brightness	800 nits (typ)
	Pixel Resolution	RGB
	Pixel Resolution - Format	1920x1200 (WUXGA)
	Aspect Ratio	16:10
	Backlight	WLED
	Color Gamut Coverage	sRGB 100%
	Color Depth	8
	Viewing Angle	89/89/89/89
	Low Blue Light	Yes
	Power Consumption	EBL@150nits: 1.50 W (Max)

35.6 cm (14") diagonal, WUXGA (1920 x 1200), LCD, Touch on Panel, UWVA, Anti-Glare, WLED+Low Blue Light, 800 nits, sRGB 100%, Sure View 6¹	Active Area	301.590 x 188.500 mm (typ)
	Dimensions (W x H)	306.890 x 197.900 mm (max)
	Weight	260 g (max)
	Diagonal Size	14 inch
	Surface Treatment	Anti-Glare
	Touch Enabled	Yes
	Contrast Ratio	1500:1 (typ)
	Refresh Rate	60Hz
	Brightness	800 nits (typ)
	Pixel Resolution	RGB



Pixel Resolution - Format	1920x1200 (WUXGA)
Aspect Ratio	16:10
Backlight	WLED
Color Gamut Coverage	sRGB 100%
Color Depth	8
Viewing Angle	89/89/89/89
Low Blue Light	Yes
Power Consumption	EBL@150nits: 1.90 W (Max)

35.6 cm (14") diagonal, 3K (2880 x 1800), Tandem OLED, 120Hz (VRR), Direct Bonding Touch Screen, UWVA, BrightView, OLED+Low Blue Light, 700 nits, DCI-P3 100%

Active Area	301.824 x 188.640 mm (typ)
Dimensions (W x H)	305.450 x 197.720 mm (max)
Weight	180 g (max)
Diagonal Size	14 inch
Surface Treatment	BrightView
Touch Enabled	Yes
Contrast Ratio	1000000:1 (typ)
Refresh Rate	120Hz
Brightness	700 nits (typ)
Pixel Resolution	RGB
Pixel Resolution - Format	2880x1800 (3K)
Aspect Ratio	16:10
Backlight	OLED
Color Gamut Coverage	DCI-P3 100%
Color Depth	8+2 FRC
Viewing Angle	89/89/89/89
Low Blue Light	Yes
Power Consumption	EBL@150nits: 3.70 W (Max)

35.6 cm (14") diagonal, 3K (2880 x 1800), OLED, 120Hz (VRR), UWVA, Anti-Glare, OLED+Low Blue Light, 500 nits, DCI-P3 100%

Active Area	301.824 x 188.640 mm (typ)
Dimensions (W x H)	305.450 x 197.720 mm (max)
Weight	132 g (max)
Diagonal Size	14 inch
Surface Treatment	Anti-Glare



Touch Enabled	No
Contrast Ratio	1000000:1 (typ)
Refresh Rate	120Hz
Brightness	500 nits (typ)
Pixel Resolution	RGB
Pixel Resolution - Format	2880x1800 (3K)
Aspect Ratio	16:10
Backlight	OLED
Color Gamut Coverage	DCI-P3 100%
Color Depth	8+2 FRC
Viewing Angle	89/89/89/89
Low Blue Light	Yes
Power Consumption	EBL@150nits: 4.20 W (Max)

**35.6 cm (14") diagonal,
WUXGA (1920 x 1200), LCD,
Touch on Panel, UWVA, Anti-
Glare, WLED, 500 nits, sRGB
100%**

Active Area	301.590 x 188.500 mm (typ)
Dimensions (W x H)	306.594 x 197.596 mm (max)
Weight	220 g (max)
Diagonal Size	14 inch
Surface Treatment	Anti-Glare
Touch Enabled	Yes
Contrast Ratio	1500:1 (typ)
Refresh Rate	60 (typ)
Brightness	500 nits (typ)
Pixel Resolution	RGB
Pixel Resolution - Format	1920x1200 (WUXGA)
Aspect Ratio	16:10
Backlight	WLED
Color Gamut Coverage	sRGB 100%
Color Depth	8
Viewing Angle	89/89/89/89
Low Blue Light	No
Power Consumption	EBL@150nits: 1.37 W (Max) EBL@200nits: 1.68 W (Max)



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	1000:1 (typ)
	Refresh Rate	60 (typ)
	Brightness	400 nits (typ)
	Pixel Resolution	RGB
	Pixel Resolution - Format	1920x1200 (WUXGA)
	Aspect Ratio	16:10
	Backlight	WLED
	Color Gamut Coverage	sRGB 100%
	Color Depth	8
	Viewing Angle	89/89/89/89
	Low Blue Light	Yes
	Power Consumption	EBL@150nits: 1.29 W (Max) EBL@200nits: 1.66 W (Max)

35.6 cm (14") diagonal, WUXGA (1920 x 1200), OLED, UWVA, Anti-Glare, OLED+Low Blue Light, 300 nits, DCI-P3 100%	Active Area	301.824 x 188.640 mm (typ)
	Dimensions (W x H)	305.564 x 198.020 mm (max)
	Weight	174 g (max)
	Diagonal Size	14 inch
	Surface Treatment	Anti-Glare
	Touch Enabled	No
	Contrast Ratio	1000000:1 (typ)
	Refresh Rate	60 Hz (typ)
	Brightness	300 nits (typ)
	Pixel Resolution	RGB
	Pixel Resolution - Format	1920x1200 (WUXGA)
	Aspect Ratio	16:10



Backlight	OLED
Color Gamut Coverage	DCI-P3 100%
Color Depth	8
Viewing Angle	89/89/89/89
Low Blue Light	Yes
Power Consumption	EBL@200nits: 3.00 W (Max)

1. HP Sure View integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.



STORAGE

2 TB PCIe® Gen5 NVMe™ SSD Value¹	Form Factor	M.2 2280
	Capacity	2 TB
	NAND Type	Value
	Weight	10g (0.02 lb)
	Interface	PCIe Gen5 NVMe
	Sequential Read	10000 MB/s ±10% (in PCIe Gen5x4 slot)
	Sequential Write	8000 MB/s ±10% (in PCIe Gen5x4 slot)
	Logical Blocks	4000797360
	Features	Pyrite 2.0 ; TRIM ; L1.2 Not all features are available in all versions

2 TB PCIe® Gen5x4 NVMe™ Self Encrypted OPAL2 SSD¹	Form Factor	M.2 2280
	Capacity	2 TB
	NAND Type	Performance
	Weight	10 g (0.02 lb)
	Interface	PCIe Gen5x4 NVMe
	Sequential Read	13500 MB/s ±10% (in PCIe 5x4 slot)
	Sequential Write	10000 MB/s ±10% (in PCIe 5x4 slot)
	Logical Blocks	4000797360
	Features	Opal2.0 ; TRIM ; L1.2 Not all features are available in all versions

2 TB PCIe® Gen5x4 NVMe™ SSD¹	Form Factor	M.2 2280
	Capacity	2 TB
	NAND Type	Performance
	Weight	10 g (0.02 lb)
	Interface	PCIe Gen5x4 NVMe
	Sequential Read	13500 MB/s ±10% (in PCIe 5x4 slot)
	Sequential Write	10000 MB/s ±10% (in PCIe 5x4 slot)
	Logical Blocks	4000797360
	Features	Pyrite 2.0 ; TRIM ; L1.2 Not all features are available in all versions



1 TB PCIe® Gen5 NVMe™ SSD Value ¹	Form Factor	M.2 2280
	Capacity	1 TB
	NAND Type	Value
	Weight	10g (0.02 lb)
	Interface	PCIe Gen5 NVMe
	Sequential Read	9500 MB/s ± 10% (in PCIe 5x4 slot)
	Sequential Write	7000 MB/s ± 10% (in PCIe 5x4 slot)
	Logical Blocks	2000409264
	Features	Pyrite 2.0 ; TRIM ; L1.2 Not all features are available in all versions

1 TB PCIe® Gen5x4 NVMe™ SSD ¹	Form Factor	M.2 2280
	Capacity	1 TB
	NAND Type	Performance
	Weight	10 g (0.02 lb)
	Interface	PCIe Gen5x4 NVMe
	Sequential Read	13000 MB/s ±10% (in PCIe 5x4 slot)
	Sequential Write	9000 MB/s ±10% (in PCIe 5x4 slot)
	Logical Blocks	2000409264
	Features	Pyrite 2.0 ; TRIM ; L1.2 Not all features are available in all versions

1 TB PCIe® Gen5x4 NVMe™ Self Encrypted OPAL2 SSD ¹	Form Factor	M.2 2280
	Capacity	1TB
	NAND Type	Performance
	Weight	10 g (0.02 lb)
	Interface	PCIe Gen5x4 NVMe
	Sequential Read	13000 MB/s ±10% (in PCIe 5x4 slot)
	Sequential Write	9000 MB/s ±10% (in PCIe 5x4 slot)
	Logical Blocks	2000409264
	Features	Opal2.0 ; TRIM ; L1.2 Not all features are available in all versions



1 TB PCIe® NVMe™ SSD Value¹	Form Factor	M.2 2280
	Capacity	1TB
	NAND Type	Value
	Weight	10 g (0.02 lb)
	Interface	PCIe Gen4 NVMe
	Sequential Read	3500 MB/s ±10% (in PCIe 5x4 slot)
	Sequential Write	2700 MB/s ±10% (in PCIe 5x4 slot)
	Logical Blocks	2000409264
	Features	Pyrite 2.0 ; TRIM ; L1.2 Not all features are available in all versions

512 GB PCIe® Gen5 NVMe™ Self Encrypted OPAL2 SSD Value¹	Form Factor	M.2 2280
	Capacity	512GB
	NAND Type	Value
	Weight	10 g (0.02 lb)
	Interface	PCIe Gen5 NVMe
	Sequential Read	9000 MB/s ±10% (in PCIe 5x4 slot)
	Sequential Write	6000 MB/s ±10% (in PCIe 5x4 slot)
	Logical Blocks	1000215216
	Features	Opal2.0 ; TRIM ; L1.2 Not all features are available in all versions

512 GB PCIe® Gen5 NVMe™ SSD Value¹	Form Factor	M.2 2280
	Capacity	512GB
	NAND Type	Value
	Weight	10 g (0.02 lb)
	Interface	PCIe Gen5 NVMe
	Sequential Read	9000 MB/s ±10% (in PCIe 5x4 slot)
	Sequential Write	6000 MB/s ±10% (in PCIe 5x4 slot)
	Logical Blocks	1000215216
	Features	Pyrite 2.0 ; TRIM ; L1.2 Not all features are available in all versions



512 GB PCIe® NVMe™ SSD	Form Factor	M.2 2280
Value ¹	Capacity	512GB
	NAND Type	Value
	Weight	10 g (0.02 lb)
	Interface	PCIe NVMe Gen4X4
	Sequential Read	3500 MB/s ±10% (in PCIe Gen5x4 slot)
	Sequential Write	1600 MB/s ±10% (in PCIe Gen5x4 slot)
	Logical Blocks	1000215216
	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

<p>Qualcomm® FastConnect 7800 Wi-Fi 7 Bluetooth® 5.4 WW WLAN¹</p>	<p>Wireless LAN Standards</p> <p>Interoperability</p> <p>Frequency Band</p> <p>Data Rates</p>	<p>IEEE 802.11a IEEE 802.11ac 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 Wi-Fi certified 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 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11ac: 1733Mbps 802.11ax: max 2.4Gbps 802.11b: 1, 2, 5.5, 11 Mbps 802.11be: max 2.8Gbps (160MHz)</p>
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	802.11be : up to 5.76Gbps (320MHz)
	802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
	802.11n: max 300Mbps
Modulation	Direct Sequence Spread Spectrum 1024-QAM, 16-QAM, 256-QAM, 4096-QAM, 64-QAM, BPSK, CCK, 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 certification
Network Architecture	Ad-hoc (Peer to Peer)
Models	Infrastructure (Access Point Required)
Roaming	IEEE 802.11 compliant roaming between access points
Output Power	802.11b, 1Mbps : +17dBm minimum 802.11g, 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) : +4dBm minimum 802.11be MCS13(EHT40)(6GHz) : +7dBm minimum



	802.11be MCS13(EHT80)(6GHz) : +10dBm minimum
	802.11be MCS13(EHT160)(6GHz) : +13dBm minimum
	802.11be MCS13(EHT320)(6GHz) : +16dBm minimum
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
	802.11 compliant power saving mode
Receiver Sensitivity ²	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
	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
Dimensions	M.2 1620 solder down type
Weight	Type 1620 : 1.3g
Operating Voltage	3.3 v +/- 9 %
Bluetooth® Specification	Integrated Bluetooth® specifications 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	Microsoft Windows Bluetooth® Software
Supported Link Topology	
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

ETS 300 328, ETS 300 826

Low Voltage Directive IEC950

UL, CSA, and CE Mark

Bluetooth® Profiles

BT4.1-ESR 5/6/7 Compliance

Supported

LE Link Layer Ping

LE Dual Mode

LE Link Layer

LE Low Duty Cycle Directed Advertising

LE L2CAP Connection Oriented Channels

Train Nudging & Interlaced Scan

BT4.2 ESR08 Compliance

LE Secure Connection- Basic/Full

LE Privacy 1.2 -Link Layer Privacy

LE Privacy 1.2 -Extended Scanner Filter Policies

LE Data Packet Length Extension

FAX Profile (FAX)

Basic Imaging Profile (BIP)2

Headset Profile (HSP)

Hands Free Profile (HFP)

Advanced Audio Distribution Profile (A2DP)

BT5.2

ESR9/10 Compliance

LE Advertisement Extensions

Channel Selection Algo

Limited High Duty Cycle Non-Connectable Advertising

2Mbps LE

LE Long Range

BT5.3

Host to Controller Encryption Key Control Enhancements

"Compliance to the latest Errata Section 12.3 of BT 5.3 specification

Periodic Advertisement interval"



**Qualcomm® Snapdragon™
X72 5G HP Go³**

Technology Operating Bands

WCDMA/HSPA+ operating bands:

Band 1: 1920 to 1980 MHz (UL), 2110 to 2170 MHz (DL)

Band 2: 1850 to 1910 MHz (UL), 1930 to 1990 MHz (DL)

Band 4: 1710 to 1755 MHz (UL), 2110 to 2155 MHz (DL)

Band 5: 824 to 849 MHz (UL), 869 to 894 MHz (DL)

Band 8: 880 to 915 MHz (UL), 925 to 960 MHz (DL)

LTE FDD/TDD operating bands:

Band 1: 1920 to 1980 MHz (UL), 2110 to 2170 MHz (DL)

Band 2: 1850 to 1910 MHz (UL), 1930 to 1990 MHz (DL)

Band 3: 1710 to 1785 MHz (UL), 1805 to 1880 MHz (DL)

Band 4: 1710 to 1755 MHz (UL), 2110 to 2155 MHz (DL)

Band 5: 824 to 849 MHz (UL), 869 to 894 MHz (DL)

Band 7: 2500 to 2570 MHz (UL), 2620 to 2690 MHz (DL)

Band 8: 880 to 915 MHz (UL), 925 to 960 MHz (DL)

Band 12: 699 to 716 MHz (UL), 729 to 746 MHz (DL)

Band 13: 777 to 787 MHz (UL), 746 to 756 MHz (DL)

Band 14: 788 to 798 MHz (UL), 758 to 768 MHz (DL)

Band 17: 704 to 716 MHz (UL), 734 to 746 MHz (DL)

Band 18: 815 to 830 MHz (UL), 860 to 875 MHz (DL)

Band 19: 830 to 845 MHz (UL), 875 to 890 MHz (DL)

Band 20: 832 to 862 MHz (UL), 791 to 821 MHz (DL)

Band 25: 1850 to 1915 MHz (UL), 1930 to 1995 MHz (DL)

Band 26: 814 to 849 MHz (UL), 859 to 894 MHz (DL)

Band 28: 703 to 748 MHz (UL), 758 to 803 MHz (DL)

Band 29: 717 to 728 MHz (DL)

Band 30: 2305 to 2315 MHz (UL) 2350 to 2360 MHz (DL)

Band 32: 1452 to 1496 MHz (DL)

Band 34: 2010 to 2025 MHz (UL/DL)

Band 38: 2570 to 2620 MHz (UL/DL)

Band 39: 1880 to 1920 MHz (UL/DL)

Band 40: 2300 to 2400 MHz (UL/DL)

Band 41: 2496 to 2690 MHz (UL/DL)



Band 42: 3400 to 3600 MHz (UL/DL)
Band 43: 3400 to 3800 MHz (UL/DL)
Band 46: 5150 to 5925 MHz (DL)
Band 48: 3550 to 3700 MHz (UL/DL)
Band 66: 1710 to 1800 MHz (UL), 2110 to 2200 MHz (DL)
Band 67: 738 to 758 MHz (DL)
Band 68: 698 to 728 MHz (UL), 753 to 783 MHz (DL)
Band 70: 1695 to 1710 MHz (UL), 1995 to 2020 MHz (DL)
Band 71: 663 to 698 MHz (UL), 617 to 652 MHz (DL)
Band 75: 1432 to 1517 MHz (DL)
Band 76: 1427 to 1432 MHz (DL)
5GNR Sub 6GHZ
n1: 1920 to 1980 MHz (UL), 2110 to 2170 MHz (DL)
n2: 1850 to 1910 MHz (UL), 1930 to 1990 MHz (DL)
n3: 1710 to 1785 MHz (UL), 1805 to 1880 MHz (DL)
n5: 824 to 849 MHz (UL), 869 to 894 MHz (DL)
n7: 2500 to 2570 MHz (UL), 2620 to 2690 MHz (DL)
n8: 880 to 915 MHz (UL), 925 to 960 MHz (DL)
n12: 699 to 716 MHz (UL), 729 to 746 MHz (DL)
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n38: 2570 to 2620 MHz (UL/DL)
n40: 2300 to 2400 MHz (UL/DL)
n41: 2496 to 2690 MHz (UL/DL)
n48: 3550 to 3700 MHz (UL/DL)
n66: 1710 to 1800 MHz (UL), 2110 to 2200 MHz (DL)



	n67: 738 to 758 MHz (DL)
	n70: 1695 to 1710 MHz (UL), 1995 to 2020 MHz (DL)
	n71: 663 to 698 MHz (UL), 617 to 652 MHz (DL)
	n75: 1432 to 1517 MHz (DL)
	n76: 1427 to 1432 MHz (DL)
	n77: 3300 to 4200 MHz (UL/DL)
	n78: 3300 to 3800 MHz (UL/DL)
	n79: 4400 to 5000 MHz (UL/DL)
	n91: 832 to 862 MHz (UL), 1427 to 1432 MHz (DL)
	n92: 832 to 862 MHz (UL), 1432 to 1517 MHz (DL)
	n93: 880 to 915 MHz (UL), 1427 to 1432 MHz (DL)
	n94: 880 to 915 MHz (UL), 1432 to 1517 MHz (DL)
Wireless Protocol Standards	NR Sub6G Rel17
	200MHz 3 DLCA, 4x4MIMO, 256 QAM
	100MHz 2x2 UL MIMO, 256 QAM
	15KHz SCS for FDD; 30KHz SCS for TDD
	LTE Rel16, 17
	20L(100MHz) 7 DLCA, 256 QAM
	40MHz 2 ULCA, 256 QAM
	UMTS Rel8
GPS	GPS only support L1 C/A
GPS Bands	GPS L1 (1575.42MHz)
	GLONASS L1 (1602MHz)
	Beidou B1 (1561.098MHz)
	Galileo E1 (1575.42MHz)
	QZSS (1575.42MHz)
Maximum Data Rates	Sub-6 SA Peak
	DL 4.67Gbps/UL 1.25Gbps
	Sub-6 NSA Peak
	DL 4.06Gbps/UL 550Mbps
	LTE Peak
	DL 2Gbps (CAT19)/UL 211Mbps (CAT18)
	UMTS/HSPA+



Maximum Output Power	DL DC-HSPA+: 42 Mbps (CAT24)/UL 11.5 Mbps (CAT7) NR : 23 dBm in all band except (n30 = 22dBm & n48=21dBm & n77=25dBm & n41/n77/n78 = 26dBm) LTE: 23 dBm in all band except (B30 = 22dBm & B48=21dBm & B41=26dBm) UMTS: 23.5 dBm
Maximum Power Consumption	2000 mA (peak); 1700mA (average)
Form Factor	M.2 3052-S3 Key B
Weight	8.7 g (0.307 oz)
Dimensions (Length x Width x Thickness)	52 mm × 30 mm × 2.3 mm
Embedded eSIM	Support

**Qualcomm® Snapdragon™
X72 5G Solution³**

Technology Operating Bands	WCDMA/HSPA+ operating bands: Band 1: 1920 to 1980 MHz (UL), 2110 to 2170 MHz (DL) Band 2: 1850 to 1910 MHz (UL), 1930 to 1990 MHz (DL) Band 4: 1710 to 1755 MHz (UL), 2110 to 2155 MHz (DL) Band 5: 824 to 849 MHz (UL), 869 to 894 MHz (DL) Band 8: 880 to 915 MHz (UL), 925 to 960 MHz (DL) LTE FDD/TDD operating bands: Band 1: 1920 to 1980 MHz (UL), 2110 to 2170 MHz (DL) Band 2: 1850 to 1910 MHz (UL), 1930 to 1990 MHz (DL) Band 3: 1710 to 1785 MHz (UL), 1805 to 1880 MHz (DL) Band 4: 1710 to 1755 MHz (UL), 2110 to 2155 MHz (DL) Band 5: 824 to 849 MHz (UL), 869 to 894 MHz (DL) Band 7: 2500 to 2570 MHz (UL), 2620 to 2690 MHz (DL) Band 8: 880 to 915 MHz (UL), 925 to 960 MHz (DL) Band 12: 699 to 716 MHz (UL), 729 to 746 MHz (DL)
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Band 13: 777 to 787 MHz (UL), 746 to 756 MHz (DL)
Band 14: 788 to 798 MHz (UL), 758 to 768 MHz (DL)
Band 17: 704 to 716 MHz (UL), 734 to 746 MHz (DL)
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Band 39: 1880 to 1920 MHz (UL/DL)
Band 40: 2300 to 2400 MHz (UL/DL)
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Band 46: 5150 to 5925 MHz (DL)
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5G NR Sub 6GHz
n1: 1920 to 1980 MHz (UL), 2110 to 2170 MHz (DL)
n2: 1850 to 1910 MHz (UL), 1930 to 1990 MHz (DL)
n3: 1710 to 1785 MHz (UL), 1805 to 1880 MHz (DL)
n5: 824 to 849 MHz (UL), 869 to 894 MHz (DL)



n7: 2500 to 2570 MHz (UL), 2620 to 2690 MHz (DL)
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n48: 3550 to 3700 MHz (UL/DL)
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n92: 832 to 862 MHz (UL), 1432 to 1517 MHz (DL)
n93: 880 to 915 MHz (UL), 1427 to 1432 MHz (DL)
n94: 880 to 915 MHz (UL), 1432 to 1517 MHz (DL)

Wireless Protocol Standards

NR Sub6G Rel17
200MHz 3 DLCA,4x4MIMO, 256 QAM
100MHz 2x2 UL MIMO, 256 QAM
15KHz SCS for FDD; 30KHz SCS for TDD



	LTE Rel16,17 20L(100MHz) 7 DLCA, 256 QAM 40MHz 2 ULCA, 256 QAM UMTS Rel8 Standalone A-GPS (MS-A, MS-B)
GPS	
GPS Bands	GPS L1 (1575.42MHz) GLONASS L1 (1602MHz) Beidou B1 (1561.098MHz) Galileo E1 (1575.42MHz) QZSS (1575.42MHz)
Maximum Data Rates	NR : 23 dBm in all band except (n30 = 22dBm & n48=21dBm & n77=25dBm & n41/n77/n78 = 26dBm) LTE: 23 dBm in all band except (B30 = 22dBm & B48=21dBm & B41=26dBm) UMTS: 23.5 dBm
Maximum Output Power	HSPA+: 23.5 dBm LTE (all bands except B41): 23.0 dBm Support HPUE NR band (except n30=22dBm & n48=21dBm): 23.0 dBm Support HPUE
Maximum Power Consumption	2000 mA (peak); 1700mA (average)
Form Factor	M.2 3052-S3 Key B
Weight	8.7 g (0.307 oz)
Dimensions (Length x Width x Thickness)	52 mm × 30 mm × 2.3 mm
Embedded eSIM	Support



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 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. 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).
 3. 5G module is optional. WWAN-ready configuration must be selected at purchase to add WWAN at a later date. Module designed for 5G NR NSA (non-standalone) networks as carriers deploy Evolved-Universal Terrestrial Radio Access New Radio Dual Connectivity (ENDC) with both 100Mhz of 5G NR and LTE channel bandwidth, using 256QAM 4x4 as defined by 3GPP. Module requires activation and separately purchased service contract. Check with service provider for coverage and availability in your area. Data connection, upload and download speeds will vary due to network, location, environment, network conditions, and other factors. Backwards compatible to 4G LTE and 3G HSPA technologies. 5G module planned to be available in select platforms and select countries, where carrier supported.
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POWER

Power supply availability may vary by country.

100W Wall Mount USB Type-C® GaN Halogen Free AC power adapter	Weight (DC Cable Included)	106 g ± 10 g
	Input	100 Vac ~ 240 Vac
	Input Efficiency	USB-C
		90.00 % min at 115 Vac/ 230 Vac @ 20.00 V/ 5.00 A
	Input frequency range	47 Hz ~ 63 Hz
	Input AC current	Max 1.60 A at 90 Vac input
	Output	
	Output power	20.00 V / 100.00 W
	DC output	+ 20.00 V
	Hold - up time	5 ms at 115 Vac input
	Output Over Current	5.40 A (max)
	Protection	
	AC Inlet Type	Fixed 2 Prong
	DC Cable Connector	USB Type-C
	DC Cable Material	Halogen Free
	Connector	
	Connector	Fixed 2 Prong
	Environmental Design	
	Operating temperature	0°C to 35°C (32°F to 95°F)
	Non - operating(storage) temperature	-20°C to 85°C (-4°F to 185°F)
	Altitude	0 m to 5000 m (0 ft to 16404.2 ft)
	Humidity	20 % to 95 %
Storage Humidity	10 % to 95 %	
EML and Safety Certifications	Worldwide safety standards - IEC60950-1 and IEC62368-1: 2018, EN62368-1:2014+A11, UL62368-1 Agency approvals - C-UL-US, TUV/GS, TUV/PSE, EN55032 Class B, FCC Class B, CISPR32 Class B, CCC and CECP, CU(EAC), EAEU, KCC(Safety+EMC) and K-MEPS, NOM-001 and 029 NYCE, NRcan, NRCS, ISC, SEC, PSB, Argentina S-mark, Australia GEMS	



and RCM, BIS, BSMI, UAE, UKCA DoC

100W Wall Mount USB Type-C® GaN Halogen Free AC power adapter	Weight (DC Cable Included)	250 g ± 10 g
	Input	100 Vac ~ 240 Vac
	Input Efficiency	USB-C 90.00 % min at 115 Vac/ 230 Vac @ 20.00 V/ 5.00 A
	Input frequency range	47 Hz ~ 63 Hz
	Input AC current	Max 1.60 A at 90 Vac input
	Output	
	Output power	20.00 V / 100.00 W
	DC output	+ 20.00 V
	Hold - up time	5 ms at 115 Vac input
	Output Over Current	5.40 A (max)
	Protection	
	AC Inlet Type	Foldable for 2 prong
	DC Cable Connector	USB Type-C
	DC Cable Material	Halogen Free
	Connector	
	Connector	Foldable for 2 prong
	Environmental Design	
	Operating temperature	0°C to 35°C (32°F to 95°F)
	Non - operating(storage) temperature	-20°C to 85°C (-4°F to 185°F)
	Altitude	0 m to 5000 m (0 ft to 16404.2 ft)
	Humidity	20 % to 95 %
Storage Humidity	10 % to 95 %	
EMI and Safety Certifications	Worldwide safety standards - IEC60950-1 and IEC62368-1: 2018, EN62368-1:2014+A11, UL62368-1 Agency approvals - C-UL-US, TUV/GS, TUV/PSE, EN55032 Class B, FCC Class B, CISPR32 Class B, CCC and CECP, CU(EAC), EAEU, KCC(Safety+EMC) and K-MEPS, NOM-001 and 029 NYCE, NRcan, NRCS, ISC, SEC, PSB, Argentina S-mark, Australia GEMS and RCM, BIS, BSMI, UAE, UKCA DoC	



65W Wall Mount USB Type-C® GaN Halogen Free AC power adapter	Weight (DC Cable Included)	185 g ± 10 g
	Input	100 Vac ~ 240 Vac
	Input Efficiency	USB-C 89.00 % min at 115 Vac/ 230 Vac @ 20.00 V/ 3.25 A
	Input frequency range	47 Hz ~ 63 Hz
	Input AC current	Max 1.60 A at 90 Vac input
	Output	
	Output power	20.00 V / 65.00 W
	DC output	+ 20.00 V
	Hold - up time	5 ms at 115 Vac input
	Output Over Current	5.40 A (max)
	Protection	
	AC Inlet Type	Foldable for 2 prong
	DC Cable Connector	USB Type-C
	DC Cable Material	Halogen Free
	Connector	
	Connector	Foldable for 2 prong
	Environmental Design	
	Operating temperature	0°C to 35°C (32°F to 95°F)
	Non - operating(storage) temperature	-20°C to 85°C (-4°F to 185°F)
	Altitude	0 m to 5000 m (0 ft to 16404.2 ft)
	Humidity	20 % to 95 %
Storage Humidity	10 % to 95 %	
EMI and Safety Certifications	Worldwide safety standards - IEC60950-1 and IEC62368-1: 2018, EN62368-1:2014+A11, UL62368-1 Agency approvals - C-UL-US, TUV/GS, TUV/PSE, EN55032 Class B, FCC Class B, CISPR32 Class B, CCC and CECP, CU(EAC), EAEU, KCC(Safety+EMC) and K-MEPS, NOM-001 and 029 NYCE, NRcan, NRCS, ISC, SEC, PSB, Argentina S-mark, Australia GEMS and RCM, BIS, BSMI, UAE, UKCA DoC	



65W Wall Mount USB Type-C® GaN Halogen Free AC power adapter	Weight (DC Cable Included)	185 g ± 10 g
	Input	100 Vac ~ 240 Vac
	Input Efficiency	USB-C 89.00 % min at 115 Vac/ 230 Vac @ 20.00 V/ 3.25 A
	Input frequency range	47 Hz ~ 63 Hz
	Input AC current	Max 1.60 A at 90 Vac input
	Output	
	Output power	20.00 V / 65.00 W
	DC output	+ 20.00 V
	Hold - up time	5 ms at 115 Vac input
	Output Over Current	5.50 A (max)
	Protection	
	AC Inlet Type	Fixed 2 Prong
	DC Cable Connector	USB Type-C
	DC Cable Material	Halogen Free
	Connector	
	Connector	Fixed 2 Prong
	Environmental Design	
	Operating temperature	0°C to 35°C (32°F to 95°F)
	Non - operating(storage) temperature	-20°C to 85°C (-4°F to 185°F)
	Altitude	0 m to 5000 m (0 ft to 16404.2 ft)
	Humidity	20 % to 95 %
	Storage Humidity	10 % to 95 %
	EMI and Safety Certifications	Worldwide safety standards - IEC60950-1 and IEC62368-1: 2018, EN62368-1:2014+A11, UL62368-1 Agency approvals - C-UL-US, TUV/GS, TUV/PSE, EN55032 Class B, FCC Class B, CISPR32 Class B, CCC and CECP, CU(EAC), EAEU, KCC(Safety+EMC) and K-MEPS, NOM-001 and 029 NYCE, NRcan, NRCS, ISC, SEC, PSB, Argentina S-mark, Australia GEMS and RCM, BIS, BSMI, UAE, UKCA DoC



65W Standard USB Type-C® GaN AC power adapter	Weight (DC Cable Included)	185 g ± 10 g
	Input	100 Vac ~ 240 Vac
	Input Efficiency	USB-C 89.00 % min at 115 Vac/ 230 Vac @ 20.00 V/ 3.25 A
	Input frequency range	47 Hz ~ 63 Hz
	Input AC current	Max 1.60 A at 90 Vac input
	Output	
	Output power	20.00 V / 65.00 W
	DC output	+ 20.00 V
	Hold - up time	5 ms at 115 Vac input
	Output Over Current	5.40 A (max)
	Protection	
	AC Inlet Type	C6
	DC Cable Connector	USB Type-C
	DC Cable Material	Low Halogen
	Connector	
	Connector	C6
	Environmental Design	
	Operating temperature	0°C to 35°C (32°F to 95°F)
	Non - operating(storage) temperature	-20°C to 85°C (-4°F to 185°F)
	Altitude	0 m to 5000 m (0 ft to 16404.2 ft)
	Humidity	20 % to 95 %
	Storage Humidity	10 % to 95 %
	EMI and Safety Certifications	Worldwide safety standards - IEC60950-1 and IEC62368-1: 2018, EN62368-1:2014+A11, UL62368-1 Agency approvals - C-UL-US, TUV/GS, TUV/PSE, EN55032 Class B, FCC Class B, CISPR32 Class B, CCC and CECP, CU(EAC), EAEU, KCC(Safety+EMC) and K-MEPS, NOM-001 and 029 NYCE, NRcan, NRCS, ISC, SEC, PSB, Argentina S-mark, Australia GEMS and RCM, BIS, BSMI, UAE, UKCA DoC



Battery

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

CH 56Whr Long Life Polymer	Weight	210 g ± 10 g (0.46 lb)
Fast charge 3 cell Battery	Cells / Type	3 cell Lithium-Ion Polymer / 54607
	Energy	
	Voltage	11.67 V
	Amp - hour capacity	4.799 Ah
	Watt - hour capacity	56 Wh
	Temperature	
	Operating (Charging)	0°C to 45°C (32°F to 113°F)
	Operating (Discharging)	-10°C to 60°C (14°F to 140°F)
	Optional Travel Battery Available	No

CH 68Whr Long Life Polymer	Weight	250 g ± 10 g (0.55 lb)
Fast charge 6 cell Battery	Cells / Type	6 cell Lithium-Ion Polymer / 604457
	Energy	
	Voltage	11.70 V
	Amp - hour capacity	5.812 Ah
	Watt - hour capacity	68 Wh
	Temperature	
	Operating (Charging)	0°C to 45°C (32°F to 113°F)
	Operating (Discharging)	-10°C to 60°C (14°F to 140°F)
	Optional Travel Battery Available	No



AUDIO

Codec	Qualcomm WCD9378C
Audio I/O Ports	3.5mm Headset: CTIA only; Headphone-out
Internal Speaker Amplifier	Qualcomm WSA8845 deliver up to 4W of Class-D
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 24-bit;48.0 kHz to 48.0 kHz ADC: Supports resolutions from 16-bit to 24-bit;44.1 kHz to 48.0 kHz
Internal Speaker	Yes



FINGERPRINT READER

Sensor vendor	SYNAPTICS
Sensor type	Capacitive
DPI resolution	363 DPI
Scan area	104 x 86 pixels
False Rejection Rate	< 3%
False Acceptance Rate	< 0.001%
Mobile Voltage Operation	2.7 V ~ 3.6 V
Operating Temperature	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

Container Name	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+ Carbon Black Earbuds	7Y8G4AA
	Poly Voyager Free 60+ Carbon Black Earbuds	7Y8H0AA
Audio - Headset	HP USB G2 Stereo Headset	428K6AA
	Poly Blackwire 3210 Monaural USB-C Headset	8X214AA
	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 USB-C Headset	8X215AA
	Poly Blackwire 3310 Monaural USB-C Headset	8X216AA
	Poly Blackwire 3315 Monaural USB-C Headset	8X217AA
	Poly Blackwire 3315 Monaural USB-C Headset	8X218AA
	Poly Blackwire 3320 Stereo USB-C Headset	8X219AA
	Poly Blackwire 3320 Stereo USB-C Headset	8X220AA
	Poly Blackwire 3325 Stereo USB-C Headset	8X221AA
	Poly Blackwire 3325 Stereo USB-C Headset	8X222AA
	Poly Blackwire 5210 Monaural USB-C Headset	8X230AA
	Poly Blackwire 5220 Stereo USB-C Headset	8X231AA
	Poly Blackwire 8225 Stereo USB-C Headset	8X223AA
	Poly Blackwire 8225 Stereo USB-C Headset	8X225AA
	Poly EncorePro 320 Binaural Headset	77T26AA
	Poly EncorePro 510 Monaural Headset	783Q2AA
	Poly EncorePro 510 Monoaural Headset	783Q1AA
Poly EncorePro 520 Binaural Headset	783P6AA	



Poly EncorePro 520 Binaural Headset	783P7AA
Poly EncorePro 530 Discreet Headset	783P2AA
Poly EncorePro 530 Headset	783P3AA
Poly EncorePro 540 Convertible Headset	783P0AA
Poly EncorePro 540 Convertible Headset	783P1AA
Poly EncorePro 720 Binaural Headset	8R707AA
Poly EncorePro HW710 Single Ear Headset	8R708AA
Poly EncorePro Monoaural 310 Headset	77T43AA
Poly EncorePro Monoaural 515 with USB-A Headset	783R0AA
Poly EncorePro Monoaural 515 with USB-A Headset	783R1AA
Poly EncorePro Stereo 525 with USB-A Headset	783R2AA
Poly EncorePro USB-A Monoaural 715 Headset	783N5AA
Poly EncorePro USB-A Stereo 525 Headset	783R3AA
Poly EncorePro USB-A Stereo 725 Headset	783M6AA
Poly EncorePro USB-C Monoaural 310 Headset	760Q8AA
Poly Savi 7310 DECT 1880-1900 MHz Single Ear Headset	8D3G3AA
Poly Savi 7310 Monoaural DECT 1880-1900 MHz Headset	8L561AA
Poly Savi 7310 Monoaural DECT 1880-1900 MHz Headset	8L575AA
Poly Savi 7310 Monoaural DECT 1920-1930 MHz Headset	7S430AA
Poly Savi 7310 Monoaural DECT 1920-1930 MHz Headset	8L570AA
Poly Savi 7310 Monoaural DECT 1920-1930 MHz Headset	8L585AA
Poly Savi 7310-M DECT 1880-1900 MHz Single Ear Headset	8D3K7AA
Poly Savi 7310-M DECT 1920-1930 MHz Single Ear Headset	7S439AA
Poly Savi 7320 Stereo DECT 1880-1900 MHz Headset	8D3F7AA
Poly Savi 7320 Stereo DECT 1880-1900 MHz Headset	8L545AA
Poly Savi 7320 Stereo DECT 1880-1900 MHz Headset	8L553AA
Poly Savi 7320 Stereo DECT 1893-1906 MHz Headset	8D3F8AA
Poly Savi 7320 Stereo DECT 1893-1906 MHz Headset	8L546AA
Poly Savi 7320 Stereo DECT 1893-1906 MHz Headset	8L555AA
Poly Savi 7320 Stereo DECT 1910-1920 MHz Headset	8D3G0AA
Poly Savi 7320 Stereo DECT 1920-1930 MHz Headset	7S429AA
Poly Savi 7320 Stereo DECT 1920-1930 MHz Headset	8L549AA
Poly Savi 7320 Stereo DECT 1920-1930 MHz Headset	8L559AA



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 Monaural DECT 1880-1900 MHz Headset	8L589AA
Poly Savi 7410 Monaural DECT 1880-1900 MHz Headset	8L593AA
Poly Savi 7410 Monaural DECT 1893-1906 MHz Headset	8L591AA
Poly Savi 7410 Monaural DECT 1893-1906 MHz Headset	8L594AA
Poly Savi 7410 Monaural DECT 1920-1930 MHz Headset	8L7D5AA
Poly Savi 7410 Monaural DECT 1920-1930 MHz Headset	8L7D7AA
Poly Savi 7420 Stereo DECT 1880-1900 MHz Headset	8L560AA
Poly Savi 7420 Stereo DECT 1880-1900 MHz Headset	8L574AA
Poly Savi 7420 Stereo DECT 1893-1906 MHz Headset	8L563AA
Poly Savi 7420 Stereo DECT 1893-1906 MHz Headset	8L576AA
Poly Savi 7420 Stereo DECT 1920-1930 MHz Headset	8L567AA
Poly Savi 7420 Stereo DECT 1920-1930 MHz Headset	8L583AA
Poly Savi 8210 DECT 1880-1900 MHz USB-A Headset	8D3E9AA
Poly Savi 8210 DECT 1880-1900 MHz USB-A Headset	8D3F1AA
Poly Savi 8210 DECT 1920-1930 MHz USB-A Headset	77T29AA
Poly Savi 8210 DECT 1920-1930 MHz USB-A Headset	77T31AA
Poly Savi 8220 DECT 1880-1900 MHz USB-A Headset	8D3F2AA
Poly Savi 8220 DECT 1880-1900 MHz USB-A Headset	8D3F5AA
Poly Savi 8220 DECT 1920-1930 MHz USB-A Headset	77T33AA
Poly Savi 8220 DECT 1920-1930 MHz USB-A Headset	77Y82AA
Poly Savi 8220 Stereo DECT 1880-1900 MHz Top	8Y9C4AA
Poly Savi 8245 DECT 1880-1900 MHz Headset	8D3H2AA
Poly Savi 8245 DECT 1880-1900 MHz USB-A Headset	8D3F4AA
Poly Savi 8410 Monaural DECT 1880-1900 MHz Headset	8L5A7AA
Poly Savi 8410 Monaural DECT 1880-1900 MHz Headset	8L5A9AA
Poly Savi 8410 Monaural DECT 1920-1930 MHz Headset	8L7E6AA
Poly Savi 8410 Monaural DECT 1920-1930 MHz Headset	8L7E9AA
Poly Savi 8420 Stereo DECT 1880-1900 MHz Headset	8L5B2AA
Poly Savi 8420 Stereo DECT 1880-1900 MHz Headset	8L5B3AA



Poly Savi 8420 Stereo DECT 1920-1930 MHz Headset	8L7F2AA
Poly Savi 8420 Stereo DECT 1920-1930 MHz Headset	8L7F5AA
Poly Savi 8445 DECT 1880-1900 MHz Convertible Headset	8L5B4AA
Poly Savi 8445 DECT 1880-1900 MHz Convertible Headset	8L5B6AA
Poly Savi 8445 DECT 1920-1930 MHz Convertible Headset	8L7F1AA
Poly Savi 8445 DECT 1920-1930 MHz Convertible Headset	8L7F8AA
Poly Voyager 4310 Headset	77Y93AA
Poly Voyager 4310 Monaural Headset	77Y92AA
Poly Voyager 4310 USB-A Headset	76U48AA
Poly Voyager 4310 USB-A Headset	77Y91AA
Poly Voyager 4310 USB-C Headset	77Y94AA
Poly Voyager 4310 USB-C Headset	77Y95AA
Poly Voyager 4310 USB-C Headset	77Y96AA
Poly Voyager 4310-M USB-C Headset	77Y97AA
Poly Voyager 4320 Headset	77Z00AA
Poly Voyager 4320 Stereo USB-A Headset	77Y99AA
Poly Voyager 4320 USB-A Headset	76U49AA
Poly Voyager 4320 USB-A Headset	77Y98AA
Poly Voyager 4320 USB-C Headset	76U50AA
Poly Voyager 4320 USB-C Headset	77Z30AA
Poly Voyager 4320 USB-C Headset	77Z31AA
Poly Voyager 4320-M Headset	77Z32AA
Poly Voyager Focus 2 USB-C-C Headset	9T9J3AA
Poly Voyager Focus 2 USB-C-C Headset	9T9J5AA
Poly Voyager Focus 2 USB-C-C Headset	9T9J6AA
Poly Voyager Legend 50 Headset UC	AT9M9AA,AT9M9UT
Poly Voyager Legend 50-M Headset UC	AJ8V4AA,AJ8V4UT
Poly Voyager Surround 80 USB-C Headset	8G7T9AA
Poly Voyager Surround 80 USB-C Headset	8G7U0AA
Poly Voyager Surround 85 USB-C Headset	8G7T7AA
Poly Voyager Surround 85 USB-C Headset	8G7T8AA
Audio - Speaker phone Poly Sync 10 Speakerphone	77P34AA
Poly Sync 20 Speakerphone USB-C/A Adapter	B95VJUT



	Poly Sync 20+ Speakerphone	B95VKAA
	Poly Sync 20+M Speakerphone USB-C/A Adapter	B95VLAA
	Poly Sync 20-M Speakerphone USB-C/A Adapter	B95VMUT
	Poly Sync 40 Speakerphone	77P35AA
	Poly Sync 40+ USB-A USB-C Speakerphone	77P36AA
	Poly Sync 40+ USB-A USB-C Speakerphone	772C5AA
	Poly Sync 60 Speakerphone	772C2AA
	Poly Sync 60 Speakerphone	77P41AA
	Poly Sync USB-A USB-C 10 Speakerphone	772C3AA
	Poly Sync USB-A USB-C 40 Speakerphone	772C4AA
Camera	HP 625 Webcam	6Y7L1AA
	HP USB-A 325 Webcam	53X27AA
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 Core 16 blue Laptop Backpack	B9RB4AA
	HP Campus Core 16 green Laptop Backpack	B9RB5AA
	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 Modern 14-inch moonless Night Laptop Briefcase	CJ8D0AA
	HP Modern 14-inch navy blazer Laptop Briefcase	CJ8F8AA
	HP Prelude 15.6 Backpack	1E7D6AA,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 Protective 13-14 atmospheric blue Laptop Sleeve	C3TR3UT
	HP Protective 13-14 meteor silver Laptop Sleeve	C3TR2UT
	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	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 15 Liter 14 Laptop Bag	A2CE2AA
	HP Travel Plus 22 Liter 16 Laptop Bag	A2CE1AA
	HP Travel Plus 30 Liter 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	9X472AA,9X472UT
	HP Thunderbolt™ 180W G6 Dock	9X481AA,9X481UT
	HP Thunderbolt™ 280W G6 Dock	AW5L5AA,AW5M5UT
	HP USB-C™ 100W G6 Dock	9X3V1AA,9X3V1UT
Hub	HP 4K USB-C Multiport Hub	6G843AA
	HP Universal USB-C Hub and Laptop Charger Combo	9H0H9AA
	HP Universal USB-C Multiport Hub	50H55UT
	HP USB-C to USB-A Hub	Z6A00AA
	HP USB-C Travel Hub G3	86S97UT
Keyboard	HP 125 G2 Wired Keyboard	AY2Y7AA



	HP 225 Wireless Keyboard	805T1AA
	HP 320K G2 Wired Keyboard	9SR37UT
	HP 405 Backlit Wired Keyboard	7N7C1AA,7N7C1UT
	HP 435 Programmable Wireless Keypad	7N7C3AA
	HP 475 Dual-Mode Wireless Keyboard	7N7B9AA,7N7B9UT
	HP 485 Comfort Wired Keyboard	8T6M2AA
	HP 495K Multi-Device Keyboard	BD5F5UT
	HP 585K Multi-Device Keyboard with Palm Rest	BD5F7AA
	HP 685 Comfort Dual-Mode Keyboard	8T6L9UT
	HP 725 Multi-Device Rechargeable Wireless Keyboard	9T5B2AA
	HP 965 black Ergonomic Wireless Keyboard	7E756AA
	HP 975 Dual-Mode USB+Bluetooth Wireless Keyboard	3Z726AA
Keyboard & Mouse Combo	HP 225 Wired Mouse and Keyboard Combo Cashmere White	AW5S6AA
	HP 235 Wireless Mouse and Keyboard Combo	1Y4D0UT
	HP 685 Comfort Dual-Mode Keyboard and Mouse Combo	8T6L7UT
	HP 725 Multi-Device Rechargeable Wireless Keyboard and Mouse Combo	9T5B0UT
	HP Multi-Device Dual-Mode Mouse and Keyboard Combo 495C	BE1Q0UT
	HP Multi-Device Dual-Mode Mouse and Keyboard Combo 495C White	BE1M6AA
	HP Multi-Device Dual-Mode Mouse and Keyboard Combo with Palm Rest 585C	BD5F3AA
	HP Wired Desktop 320MK Mouse and Keyboard	9SR36UT
	HP 105 Black Wired Mouse	822M9UT
	HP 105 Mouse Pad	8X595AA
Mouse	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



Power

HP 405 Quiet Black Wireless Mouse	AZ7B3AA
HP 425 Programmable Wireless Mouse	7M1D5AA
HP 435 Multi-Device Wireless Mouse	3B4Q5UT
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 Tilt Ergonomic Mouse 725M	BH0Z5AA
HP Ultra-Fast Scroll Wireless Mouse 785M	B8YX4AA
HP 110W USB-C Laptop Charger	8B3Y2UT
HP 140W USB-C Laptop Charger	B7NK0AA
HP 65W Gallium Nitride USB-C LC Laptop Charger	9Y3X5AA,9Y3X5UT
HP 65W LC USB-C AC power adapter	1P3K6AA
HP 65W LC USB-C AC power adapter	AJ7X5AA
HP 65W Gallium Nitride GaN USB-C Laptop Charger	600Q8UT
HP 65W USB-C Laptop Charger	671R3UT



CHANGELOG

Date of change	Version History		Description of change
March 30, 2026	V1 to V2	Updated	Battery Weight
March 31, 2026	V2 to V3	Updated	Battery Life
April 8, 2026	V3 to V4	Updated	Environmental Section Battery Life

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