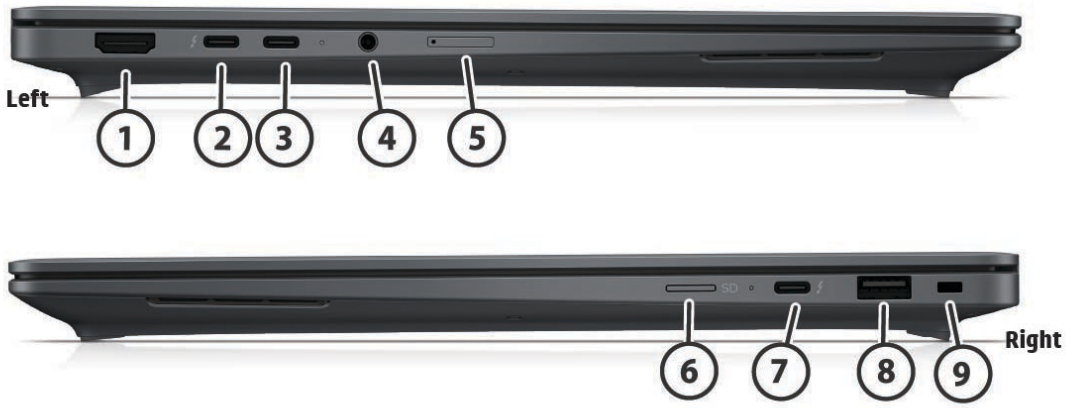
HP ZBook Ultra G3a 16 inch Mobile Workstation PC



Front

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



Sides

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

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

PRODUCT NAME

HP ZBook Ultra G3a 16 inch Mobile Workstation PC

OPERATING SYSTEM

Preinstalled

FreeDOS

Ubuntu Linux 26.04

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

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

Windows 11 Pro[1]

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

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

PROCESSORS

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

Processor Family

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

GRAPHICS

Integrated

AMD Radeon™

Supported protocols

Support HDMI 2.1 (up to 4K 60Hz)

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

DirectX12

HDCP 2.3

HDMI 2.1 (up to 4K @ 60 Hz)

Codec

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

DISPLAY

Availability may vary by country.

Non-Touch

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

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

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

Touch

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

Display Size (Diagonal)

40.6 cm (16.0")

Aspect Ratio

16:10

Screen to Body Ratio

Up to 91.40%

Max Hinge Open Angle

160

STORAGE AND DRIVES

Maximum Storage

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

Storage

8 TB PCIe® Gen5x4 NVMe™ SSD

4 TB PCIe® Gen5x4 NVMe™ SSD

2 TB PCIe® Gen5x4 NVMe™ SSD [2]

1 TB PCIe® Gen5x4 NVMe™ SSD [2]

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

512 GB PCIe® Gen5 NVMe™ SSD Value [2]

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

RAID

RAID: Not Supported

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

MEMORY

Maximum Memory

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

RAM Support

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

Memory

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

Memory Slots 1 (Soldered down)

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

NETWORKING /COMMUNICATIONS

Items below may be optional.

WLAN

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

WWAN

HP R18 5G Solution

HP R18 5G HP Go Solution

LPWAN

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

Miracast

Native Miracast Support [5]

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

AUDIO/MULTIMEDIA

Audio

Audio by Poly Studio

4 Integrated stereo speakers

Discrete Amplifiers

2 Integrated dual array microphone

sdw

Enhanced by AI noise reduction

Speaker Power

1W / 8 ohm per speaker

Camera

5MP MIPI AI camera, IR camera

Sensors

Accelerometer

Fingerprint Sensor

Hall Effect Sensor

HP Sure Platform

HP Tamper Lock

Thermal Sensor

KEYBOARDS/POINTING DEVICES/BUTTONS & FUNCTION KEYS

Keyboard

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

Pointing Device

Clickpad

Microsoft Precision Touchpad Default Gestures Support

Multi-touch gesture support

Function Keys [6]

ESC - System information

F1 - Audio Mute

F2 - Volume Down

F3 - Volume Up

F4 - Mic Mute

F5 - Media (KB backlight for Brazilian)

F6 - Display Switching

F7 - Snipping Screen

F8 - Brightness Down

F9 - Brightness Up

F10 - Keyboard Backlight (Copilot for Brazilian)

F11 - Programmable Key (HPX)

F12 - Home

Power Button (with LED)

Insert

Delete

End

Microsoft Copilot

Hidden Function Keys

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

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

SOFTWARE AND SECURITY

Application Software

Buy Microsoft Office (Sold Separately) [7]

Data Science Stack

Edge Customization

HP app [8]

HP Connection Optimizer

HP Hotkey Support

HP IQ [9]

HP Mac Address Manager

HP Notifications

HP PC Hardware Diagnostics UEFI

HP PC Hardware Diagnostics Windows

HP Privacy Settings

HP Services Scan [10]

HP Support Assistant [11]

HSA Fusion for Commercial

HSA Telemetry for Commercial

Poly Camera Pro

Poly Studio Desktop [12]

Ubuntu Data Science Stack

Perplexity AI [13]

Manageability Features

HP Client Catalog (download) [14]

HP Client Management Script Library (download) [15]

HP Cloud Recovery [16]

HP Connect for Microsoft Endpoint Manager [17]

HP Driver Packs (download) [18]

HP Image Assistant (download) [19]

HP Manageability Integration Kit (download) [20]

HP Patch Assistant (download) [21]

HP Power Manager with Battery Health Manager (download) [22]

Security Features

Secured-Core PC Enable [23]

Windows Hello Enhanced Sign-In Security (ESS)

HP Wolf Security for Business which includes: [24]

HP Sure Admin [25]

HP Sure Click [26]

HP Sure Recover [27]

HP Sure Run [28]

HP Sure Sense [29]

HP Sure Start [30]

HP Tamper Lock [31]

Security- TPM

Model

Nuvoton NPCT760HAEYX

Firmware Version

Firmware Version: 7.2.4.1

TCG

TCG TPM 2.0

FIPS 140-2 Compliant

FIPS 140-2 Compliant:

FIPS 140-3 Compliant

FIPS 140-3 Compliant:

Model

STMicro ST33KTPM2X32DKG9

Firmware Version

Firmware Version: 9.257

TCG

TCG TPM 2.0

FIPS 140-2 Compliant

FIPS 140-2 Compliant:

FIPS 140-3 Compliant

FIPS 140-3 Compliant:

BIOS

Absolute Persistence Module [32]

BIOS Update via Network

HP BIOSphere [33]

HP DriveLock & Automatic DriveLock

HP Fingerprint Sensor

HP Secure Erase [34]

HP Wake on WLAN

FIPS 140-2 Compliant

No

IPv6 Support

No

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

8. HP app requires Windows 10 or higher OS.

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

10. HP Services Scan automatically collects the telemetry necessary upon initial boot of the product to deliver device-level configuration data and health insights and is available preinstalled on select products, thru HP Factory Configuration Services; or it can be downloaded. For more information about how to enable HP Smart Support or for download, please visit http://www.hp.com/smart-support.
11. HP Support Assistant is available on Windows. For more information, please visit http://www.support.hp.com/help/hp-support-assistant
12. Poly Studio Desktop requires a Windows OS.
13. Perplexity app preinstalled, limited functionality. Minimum 44GB VRAM required for local or on device use. Click on the Perplexity icon in the start menu or task bar to take advantage of a 30-day trial membership of select Perplexity products. Subscription required after expiration. Offer is tied to the device and is not transferrable. Offer subject to change without notice. See Perplexity for complete details. Perplexity features, connectors, and supported integrations vary by software, application version, and region.
14. HP Client Catalog not preinstalled, however available for download at (https://www.hp.com/us-en/solutions/client-management-solutions.html).
15. HP Client Management Script Library (https://www.hp.com/us-en/solutions/client-management-solutions.html#tab=manageability-tools).
16. HP Cloud Recovery is available for Z by HP, HP Elite and Pro desktops and laptops PCs with Intel® or AMD processors and requires an open, network connection. Note: You must back up important files, data, photos, videos, etc. before use to avoid loss of data. Detail, please refer to: https://support.hp.com/us-en/document/c05115630.
17. 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.
18. HP Driver Packs not preinstalled, however available for download at http://www.hp.com/go/clientmanagement.
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 HP Manageability Integration Kit | HP Client Management Solutions.
21. HP Patch Assistant available on select HP PCs with the HP Manageability Kit that are managed through Microsoft System Center Configuration Manager. HP Manageability Integration Kit can be downloaded from HP Manageability Integration Kit | HP Client Management Solutions
22. 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.
23. 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.
24. 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.

25. HP Sure Admin requires HP G8 or newer platforms, Windows 10 or higher, HP BIOS, HP Manageability Kit or KMS Service from http://www.hp.com/go/clientmanagement, and HP Sure Admin Local Access Authenticator
26. HP Sure Click requires Windows 10 Pro or higher or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.
27. HP Sure Recover is available on select HP PCs and requires Windows 10 or 11 and an open network connection. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data.
28. HP Sure Run is available on select HP PCs and requires Windows 10 and higher.
29. HP Sure Sense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS.
30. HP Sure Start is available on select HP PCs and requires Windows 10 and higher
31. HP Tamper Lock can be Enabled/disabled by customers or IT administrator with administrator authority.
32. Absolute Persistence firmware module is shipped turned off and can only be activated with the purchase a license subscription and full activation of the software agent. License subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. Certain conditions apply. For full details visit: https://www.absolute.com/about/legal/agreements/absolute/.
33. HP BIOSphere features may vary depending on the platform and configuration.
34. HP Secure Erase implements the methods outlined in the National Institute of Standards and Technology Special.

POWER

Power supply availability may vary by country.

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

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

Power Supply

180W Gallium Nitride USB-C AC power adapter

140W Gallium Nitride USB-C AC power adapter

Battery

HP Long Life 6 cell, 96Wh Polymer

Battery Recharge Time

Supports battery HP Fast Charge: approximately 50% in 30 minutes [35]

Power Cord

3-wired plug- 1.0m for standard type adapter

Battery life

Up to 16 hours 45 minutes with 96Whr battery (AMD Ryzen™ AI 7, UMA graphic, brightness set to 250nits on a 16-inch WUXGA 400nits LCD display, 32GB LPDDR5X memory, 512GB SSD) [36]

Up to 12 hours 00 minutes with 96Whr battery (AMD Ryzen™ AI 7, UMA graphic, brightness set to 150nits on a 16-inch WUXGA 400nits LCD display, 32GB LPDDR5X memory, 512GB SSD) [37]

Up to 20 hours 15 minutes with 96Whr battery (AMD Ryzen™ AI 7, UMA graphic, brightness set to 150nits on a 16-inch WUXGA 400nits LCD display, 32GB LPDDR5X memory, 512GB SSD) [38]

Battery Weight

Battery Weight (metric)

SN 96Wh Long Life Polymer Fast charge 6 cell Battery

Battery Weight (imperial)

SN 96Wh Long Life Polymer Fast charge 6 cell Battery

35. 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.

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

37. 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.

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

WEIGHT & DIMENSIONS

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

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

Product Weight

Weight Starting at 4.20 lb; Starting at 1.9 kg;

Product Dimensions (w x d x h) [39]

Width: 356.00 mm (14.016 in)

Depth: 240.00 mm (9.449 in)

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

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

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

Packaging and Pallet Dimensions

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

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

PORTS/SLOTS

Left side

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

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

1 x HDMI 2.1

1 x headphone/mic combo jack

1 x Nano SIM card slot (optional)

Right side

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

1 x Nano Security Slot

SD Card Reader

USB Type-A 5Gbps signaling rate (Powered)

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

ENVIRONMENTAL DATA

Environmental Data	**Eco-Label Certifications & Declarations**	This product has received or is in the process of being certified to the following approvals and may be labeled with one or more of these marks: • 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	• Product Carbon Footprint • At least 25% Speaker - enclosures in the ocean bound plastic[1] • At least 10% post-consumer recycled plastic[2] • At least 70% recycled metal[3] • External Power Supply 90% Efficiency • Low Halogen[4] • 100% of HP paper-based packaging is from recycled or certified sustainable sources[5] • Bulk packaging available • Outside Box and corrugated cushions are 100% sustainably sourced and recyclable		
	System Configuration **Energy Consumption (in accordance with US ENERGY STAR® test method)**	The configuration used for the Energy Consumption and Declared Noise Emissions data for the Notebook model is based on a "Typically Configured Notebook".		
		115VAC, 60Hz	**230VAC, 50Hz**	**100VAC, 50Hz**
	Normal Operation (Short idle)	5.89 W	5.81 W	6.39 W
	Normal Operation (Long idle)	0.78 W	1.16 W	0.99 W
	Sleep	0.78 W	1.16 W	0.99 W
	Off	0.37 W	0.39 W	0.39 W

		Note: Energy efficiency data listed is for an ENERGY STAR® compliant product if offered within the model family. HP computers marked with the ENERGY STAR® Logo are compliant with the applicable U.S. Environmental Protection Agency (EPA) ENERGY STAR® specifications for computers. If a model family does not offer ENERGY STAR® compliant configurations, then energy efficiency data listed is for a typically configured PC featuring a hard disk drive, a high efficiency power supply, and a Microsoft Windows® operating system.		
	Heat Dissipation*	**115VAC, 60Hz**	**230VAC, 50Hz**	**100VAC, 50Hz**
	Normal Operation (Short idle)	20 BTU/hr	20 BTU/hr	22 BTU/hr
	Normal Operation (Long idle)	3 BTU/hr	4 BTU/hr	3 BTU/hr
	Sleep	3 BTU/hr	4 BTU/hr	3 BTU/hr
	Off	1 BTU/hr	1 BTU/hr	1 BTU/hr
		*NOTE: Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.		
	Declared Noise Emissions (in accordance with ISO 7779 and ISO 9296)	**Sound Power (L_{WAd}, bels)**	**Sound Pressure (L_{pAm}, decibels)**	
	Typically Configured – Idle	2.6	15	
	Fixed Disk – Random writes	2.7	15	
	Active Mode	4.9	36	
	Longevity and Upgrading	This product can be upgraded, possibly extending its useful life by several years. Upgradeable features and/or components contained in the Spare parts are available throughout the warranty period and or for up to "5" years after the end of production.		

	Additional Information	• This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive - 2011/65/EC. • 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 96.1% recycle-able when properly disposed of at end of life.		
	Packaging Materials	**External:**	PAPER/Corrugated	321 g
			PAPER/Molded Pulp	210 g
			PAPER/Paper	28 g
		The plastic packaging material contains at least 0% recycled content.		
		The corrugated paper packaging materials contains at least 54% recycled content.		
	RoHS Compliance	HP Inc. complies fully with materials regulations. We were among the first companies to extend the restrictions in the European Union (EU) Restriction of Hazardous Substances (RoHS) Directive to our products worldwide through the HP GSE. HP has contributed to the development of related legislation in Europe, as well as China, India, and Vietnam. 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): • 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	HP follows these guidelines to decrease the environmental impact of product packaging: • 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	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. The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: HP Product Disassembly Instruction Website. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.

	HP, Inc. Corporate Environmental Information	For more information about HP's commitment to the environment:
		
		• Sustainability Progress Report
		  ○ Sustainability Progress | HP® Official Site
		• Eco-label certifications
		  ○ Sustainability progress | Documents and Reports | HP® Official Site
		• ISO 14001 certificates
		  ○ https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=c04777932

	Footnotes	1. Percentage of ocean-bound plastic contained in each component varies by product. Ocean Bound plastic is expressed as a percentage of the total weight plastic. Ocean Bound plastic is based on the definition set by the UL2809 standard. 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

Warranty

1-year warranty and 90 day software limited warranty options depending on country. HP Worldwide Limited Warranty for the battery is aligned with the warranty period of the HP Hardware Product. Refer to http://www.hp.com/support/batterywarranty/ for additional battery information. On-site service and extended coverage is also available. HP Care Pack Services are optional extended service contracts that go beyond the standard limited warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at: http://www.hp.com/go/cpc. [41]

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

SYSTEM UNIT

Stand - Alone Power Requirements (AC Power)	
Nominal Operating Voltage	36.0 V
Average Operating Power	108.000 W
Max Operating Power	UMA < 180 W
Temperature	
Operating	0° to 50° C (32° to 122° F) System performance may be reduced above 32°C (89.6°F)
Non - operating	-20° to 65° C (-4° to 149° F) System performance may be reduced above 32°C (89.6°F)
Relative Humidity	
Operating	0% to 80% (non-condensing)
Non - operating	0% to 95%, 38.7° C (101.6° F) maximum wet bulb temperature
Shock	
Operating	40 G, 2 ms, half-sine
Non - operating	240 G, 2 ms, half-sine
Random Vibration	
Operating	1.043 grms
Non - operating	3.500 grms
Industry Standard Certifications	
Regulatory Model Number	HSN-I70C
CSA/UL 62368-1	Yes
ENERGY STAR® [42]	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 [43]	Yes
Low Blue Light	Yes
WW RoHS	Yes
CECP	Yes
Medical EMC: IEC 60601-1-2:2014 EN60601-1-2: 2015	Yes
SEPA	Yes
MIL - STD Testing [44]	MIL-STD 810H

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

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

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

DISPLAYS

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

Availability may vary by country

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

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

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

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

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

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

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

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

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

STORAGE

8 TB PCIe® NVMe™ 2280 Solid State Drive	**Form Factor**	M.2 2280
	Capacity	8 TB
	NAND Type	Performance
	Weight	15.0 g (0.03 lb)
	Interface	PCIe Gen5x4 NVMe
	Sequential Read	13500 MB/s ± 20% (in PCIe Gen5x4 slot);
	Sequential Write	10000 MB/s ± 20% (in PCIe Gen5x4 slot);
	Logical Blocks	16,003,147,104
	Features	TRIM
		L1.2
4 TB PCIe® NVMe™ 2280 Solid State Drive	**Form Factor**	M.2 2280
	Capacity	4 TB
	NAND Type	Performance
	Weight	15.0 g (0.03 lb)
	Interface	PCIe Gen5x4 NVMe
	Sequential Read	13500 MB/s ± 20% (in PCIe Gen5x4 slot);
	Sequential Write	10000 MB/s ± 20% (in PCIe Gen5x4 slot);
	Logical Blocks	8,001,573,552
	Features	TRIM
		L1.2
2 TB PCIe® NVMe™ 2280 Solid State Drive [45]	**Form Factor**	M.2 2280
	Capacity	2 TB
	NAND Type	Performance
	Weight	10.0 g (0.02 lb)
	Interface	PCIe Gen5x4 NVMe
	Sequential Read	13500 MB/s ± 20% (in PCIe Gen5x4 slot);
	Sequential Write	10000 MB/s ± 20% (in PCIe Gen5x4 slot);
	Logical Blocks	4,000,797,360
	Features	TRIM
		L1.2

1 TB PCIe® NVMe™ 2280 Solid State Drive [45]	**Form Factor**	M.2 2280
	Capacity	1 TB
	NAND Type	Performance
	Weight	10.0 g (0.02 lb)
	Interface	PCIe Gen5x4 NVMe
	Sequential Read	13000 MB/s ± 20% (in PCIe Gen5x4 slot);
	Sequential Write	9000 MB/s ± 20% (in PCIe Gen5x4 slot);
	Logical Blocks	2,000,409,264
	Features	TRIM
		L1.2
1 TB PCIe® NVMe™ 2280 Self Encrypted OPAL2 Solid State Drive [45]	**Form Factor**	M.2 2280
	Capacity	1 TB
	NAND Type	Performance
	Weight	10.0 g (0.02 lb)
	Interface	PCIe Gen5x4 NVMe
	Sequential Read	13000 MB/s ± 20% (in PCIe Gen5x4 slot);
	Sequential Write	9000 MB/s ± 20% (in PCIe Gen5x4 slot);
	Logical Blocks	2,000,409,264
	Features	TRIM
		L1.2
512 GB PCIe Gen5 NVMe™ Value 2280 Solid State Drive [45]	**Form Factor**	M.2 2280
	Capacity	512 GB
	NAND Type	Value
	Weight	10.0 g (0.02 lb)
	Interface	PCIe Gen5 NVMe
	Sequential Read	9000 MB/s ± 20% (in PCIe Gen5x4 slot);
	Sequential Write	6000 MB/s ± 20% (in PCIe Gen5x4 slot);
	Logical Blocks	1,000,215,216
	Features	TRIM
		L1.2

512 GB PCIe Gen5 NVMe™ Value 2280 Self Encrypted OPAL2 Solid State Drive [45]	**Form Factor**	M.2 2280
	Capacity	512 GB
	NAND Type	Value
	Weight	10.0 g (0.02 lb)
	Interface	PCIe Gen5 NVMe
	Sequential Read	9000 MB/s ± 20% (in PCIe Gen5x4 slot);
	Sequential Write	6000 MB/s ± 20% (in PCIe Gen5x4 slot);
	Logical Blocks	1,000,215,216
	Features	TRIM
		L1.2

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

NETWORKING / COMMUNICATION

Mediatek MT7925 Wi-Fi 7 Bluetooth® 6.0 AIM-T WW WLAN [46]	**Wireless LAN Standards**	IEEE 802.11a
		IEEE 802.11b
		IEEE 802.11g
		IEEE 802.11n
		IEEE 802.11ac
		IEEE 802.11ax
		IEEE 802.11be
		IEEE 802.11d
		IEEE 802.11e
		IEEE 802.11h
		IEEE 802.11i
		IEEE 802.11k
		IEEE 802.11r
		IEEE 802.11v
		IEEE 802.11w
	Interoperability	Wi-Fi certified
	Frequency Band	802.11b/g/n/ax/be
		2.402 - 2.482 GHz
		802.11a/n/ac/ax/be
		4.9 - 4.95 GHz (Japan)
		5.15 - 5.25 GHz
		5.25 - 5.35 GHz
		5.47 - 5.725 GHz
		5.825 - 5.850 GHz
		5.955 - 6.415 GHz
		6.435 - 6.515 GHz
		6.535 - 6.875 GHz
		6.895 - 7.115 GHz
	Data Rates	802.11b: 1, 2, 5.5, 11 Mbps
		802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
		802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps

	802.11n: max 300Mbps
	802.11ac : 1733Mbps
	802.11ax : max 2.4Gbps
	802.11be : max 2.8Gbps (160MHz)
Modulation	Direct Sequence Spread Spectrum
	OFDM, BPSK, QPSK, CCK, 16-QAM, 64-QAM, 256-QAM, 1024QAM, 4096QAM
Security	802.1x authentication
	AES-CCMP: 128 bit in hardware
	IEEE 802.11i
	IEEE and WiFi certified 64 / 128 bit WEP encryption for a/b/g mode only
	WAPI
	WPA, WPA2: 802.1x. WPA-PSK, WPA2-PSK, TKIP, and AES.
	WPA2 certification
	WPA3 certification
Network Architecture	Ad-hoc (Peer to Peer)
Models	Infrastructure (Access Point Required)
Roaming	IEEE 802.11 compliant roaming between access points
Output Power	802.11b, 1Mbps : +17dBm minimum
	802.11g, 6Mpbs : +16dBm minimum
	802.11a, 6Mbps : +17dBm minimum
	802.11n, MCS7(HT20) : +14dBm minimum
	802.11n, MCS7(HT40) : +13.5dBm minimu
	802.11ac MCS9(VHT20) : 13.5dBm minimum
	802.11ac MCS9(VHT40) : +13.5dBm minimum
	802.11ac MCS9(VHT80) : +12.5dBm minimum
	802.11ac MCS9(VHT160) : +10.5dBm minimum
	802.11ax MCS11(HE20)(6GHz) : +11.5dBm minimum
	802.11ax MCS11(HE40)(6GHz) : +7.5dBm minimum
	802.11ax MCS11(HE80)(6GHz) : +7.5dBm minimum
	802.11ax MCS11(HE160)(6GHz) : +7.5dBm minimum
	802.11be MCS13(EHT20)(6GHz) : +11.5dBm

	802.11be MCS13(EHT40)(6GHz) : +7.5dBm
	802.11be MCS13(EHT80)(6GHz) : +7.5dBm
	802.11be MCS13(EHT160)(6GHz) : +6.5dBm
Power Consumption	Transmit mode 2.7 W
	Receive mode 1.8 W
	Idle mode (PSP) 180 mW (WLAN Associated)
	Idle mode 50 mW (WLAN unassociated)
	Connected Standby 10mW
	Radio disabled 8 mW
Power Management	ACPI and PCI Express compliant power management
	802.11 compliant power saving mode
Receiver Sensitivity [47]	802.11b, 1Mbps : -93.5dBm maximum
	802.11b, 11Mbps : -85dBm maximum
	802.11a/g, 6Mbps : -90.5dBm maximum
	802.11a/g, 54Mbps : -72.5dBm maximum
	802.11n, MCS0(HT20) : -90dBm maximum
	802.11n, MCS7(HT20) : -71.5dBm maximum
	802.11n, MCS0(HT40) : -88.5dBm maximum
	802.11n, MCS7(HT40) : -68.5dBm maximum
	802.11ac, MCS9(VHT20) : -88.5dBm maximum
	802.11ac, MCS9(VHT40) : -65.5dBm maximum
	802.11ac, MCS9(VHT80) : -60.5dBm maximum
	802.11ac, MCS9(VHT160) : -58.5dBm maximum
	802.11ax, MCS11(HE20)(6GHz) : -59.5dBm maximum
	802.11ax, MCS11(HE40)(6GHz) : -56.5dBm maximum
	802.11ax, MCS11(HE80)(6GHz) : -53.5dBm maximum
	802.11ax, MCS11(HE160)(6GHz) : -51.5dBm maximum
	802.11be, MCS13(EHT20)(6GHz) : -55.5dBm maximum
	802.11be, MCS13(EHT40)(6GHz) : -53.5dBm maximum
	802.11be, MCS13(EHT80)(6GHz) : -51.5dBm maximum
	802.11be, MCS13(EHT160)(6GHz) : -48.5dBm maximum
Antenna Type	High efficiency antenna with spatial diversity, mounted in the display enclosure

	Two embedded dual band 2.4/5 GHz antennas are provided to the card to support WLAN MIMO communications and Bluetooth communications
Form Factor	PCI-Express M.2
Dimensions	Type 1418: 1.67 x 14.0 x 18.0 mm
Weight	Type 1418: 1.3g
Operating Voltage	3.3v +/- 9%
	Integrated Bluetooth® specifications
Bluetooth® Specification	4.0/4.1/4.2/5.0/5.1/5.2/5.3/5.4/6.0 Compliant
Frequency Band	2402 to 2480 MHz
Number of Available	Legacy: 0~79 (1 MHz/CH)
Channels	BLE: 0~39 (2 MHz/CH)
Data Rates and Throughput	Legacy: 3 Mbps data rate; throughput up to 2.17 Mbps 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	1. Microsoft Windows Bluetooth Software
Supported Link Topology	2. Linux/Chrome OS Bluetooth Software.
Power Management	ACPI and PCI Express compliant power management 802.11 compliant power saving mode
Certifications	FCC (47 CFR) Part 15C, Section 15.247 & 15.249 ETS 300 328, ETS 300 826 Low Voltage Directive IEC950 UL, CSA, and CE Mark

	Bluetooth® Profiles Supported	BT4.1-ESR 5/6/7 Compliance 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 BT5.4 BT6.0
MTK T900 5G R18 Sub-6 CAT20	**Technology Operating Bands**	WCDMA/HSPA+ operating bands: Band 01: 1920 to 1980 MHz (UL), 2110 to 2170 MHz (DL)

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

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

	Band 48: 3550 to 3700 MHz (UL/DL) Band 66: 1710 to 1800 MHz (UL), 2110 to 2200 MHz (DL) Band 71: 663 to 698 MHz (UL), 617 to 652 MHz (DL) 5GNR Sub 6GHZ: n1: 1920 to 1980 MHz (UL), 2110 to 2170 MHz (DL) n2: 1850 to 1910 MHz (UL), 1930 to 1990 MHz (DL) n20: 832 to 862 MHz (UL), 791 to 821 MHz (DL) n25: 1850 to 1915 MHz (UL), 1930 to 1995 MHz (DL) n28: 703 to 748 MHz (UL), 758 to 803 MHz (DL) n3: 1710 to 1785 MHz (UL), 1805 to 1880 MHz (DL) n30: 2305 to 2315 MHz (UL) 2350 to 2360 MHz (DL) 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) n5: 824 to 849 MHz (UL), 869 to 894 MHz (DL) n66: 1710 to 1800 MHz (UL), 2110 to 2200 MHz (DL) n7: 2500 to 2570 MHz (UL), 2620 to 2690 MHz (DL) n71: 663 to 698 MHz (UL), 617 to 652 MHz (DL) n77: 3300 to 4200 MHz (UL/DL) n78: 3300 to 3800 MHz (UL/DL) n79: 4400 to 5000 MHz (UL/DL) n8: 880 to 915 MHz (UL), 925 to 960 MHz (DL)
Wireless Protocol Standards	NR Sub6G Rel17 300MHz 4 DLCA, 256 QAM 200MHz 2 ULCA, 256 QAM 15KHz SCS for FDD 30KHz SCS for TDD LTE Rel15 100MHz 5 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	LET: 2.00 Gbps (Download), 211.00 Mbps (Upload) 5G SA sub-6 Peak: 7.00 Gbps (Download), 2.50 Gbps (Upload) 5G NSA sub-6 Peak: 5.80 Gbps (Download), 140.00 Mbps (Upload) UMTS/HSPA+: 42.00 Mbps (Download), 11.50 Mbps (Upload)
	Maximum Output Power	NR band (except n30=22dBm & n48=21dBm): 23.0 dBm Not support HPUE LTE all band (except B30= 22dBm & B48= 21.5dBm): 23.0 dBm Not support HPUE UMTS: 23.5 dBm Not support HPUE NR n41, n77, n78, n79 HPUE: 26.0 dBm Support HPUE
	Maximum Power Consumption	5G Sub 6: 3,120 mA (peak); 1,350 mA (average)
	Form Factor	M.2 3052-S3 Key B
	Weight	9.5 g (0.335 oz)
	Dimensions (Length x Width x Thickness)	52.00 x 30.00 x 2.30 mm (2.05 x 1.18 x 0.09 inch)
	Embedded eSIM	Yes
HP R18 5G Solution	**Technology Operating Bands**	WCDMA/HSPA+ operating bands: Band 01: 1920 to 1980 MHz (UL), 2110 to 2170 MHz (DL) Band 02: 1850 to 1910 MHz (UL), 1930 to 1990 MHz (DL) Band 04: 1710 to 1755 MHz (UL), 2110 to 2155 MHz (DL) Band 05: 824 to 849 MHz (UL), 869 to 894 MHz (DL)

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

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

	5GNR Sub 6GHZ: n1: 1920 to 1980 MHz (UL), 2110 to 2170 MHz (DL) n2: 1850 to 1910 MHz (UL), 1930 to 1990 MHz (DL) n20: 832 to 862 MHz (UL), 791 to 821 MHz (DL) n25: 1850 to 1915 MHz (UL), 1930 to 1995 MHz (DL) n28: 703 to 748 MHz (UL), 758 to 803 MHz (DL) n3: 1710 to 1785 MHz (UL), 1805 to 1880 MHz (DL) n30: 2305 to 2315 MHz (UL) 2350 to 2360 MHz (DL) 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) n5: 824 to 849 MHz (UL), 869 to 894 MHz (DL) n66: 1710 to 1800 MHz (UL), 2110 to 2200 MHz (DL) n7: 2500 to 2570 MHz (UL), 2620 to 2690 MHz (DL) n71: 663 to 698 MHz (UL), 617 to 652 MHz (DL) n77: 3300 to 4200 MHz (UL/DL) n78: 3300 to 3800 MHz (UL/DL) n79: 4400 to 5000 MHz (UL/DL) n8: 880 to 915 MHz (UL), 925 to 960 MHz (DL)
Wireless Protocol Standards	NR Sub6G Rel17 300MHz 4 DLCA, 256 QAM 200MHz 2 ULCA, 256 QAM 15KHz SCS for FDD 30KHz SCS for TDD LTE Rel15 100MHz 5 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	LET: 2.00 Gbps (Download), 211.00 Mbps (Upload) 5G NSA sub-6 Peak: 5.80 Gbps (Download), 140.00 Mbps (Upload) 5G SA sub-6 Peak: 7.00 Gbps (Download), 2.50 Gbps (Upload) DC-HSPA+: 42.00 Mbps (Download), 11.50 Mbps (Upload)
	Maximum Output Power	UMTS: 23.5 dBm Not support HPUE NR band (except n30=22dBm & n48=21dBm): 23.0 dBm Not support HPUE LTE all band (except B30= 22dBm & B48= 21.5dBm): 23.0 dBm Not support HPUE NR n41, n77, n78, n79 HPUE: 26.0 dBm Support HPUE
	Maximum Power Consumption	5G Sub 6: 3,120 mA (peak); 1,350 mA (average)
	Form Factor	M.2 3052-S3 Key B
	Weight	9.5 g (0.335 oz)
	Dimensions (Length x Width x Thickness)	52.00 x 30.00 x 2.30 mm (2.05 x 1.18 x 0.09 inch)
	Embedded eSIM	Yes
HP RW220-GL LTE (Low Power) (CAT-1bis) [48]	**Technology/Operating bands**	FDD LTE: 2100 (Band 1), 1800 (Band 3), 850 (Band 5), 900 (Band 8), 700 (Band 12), 850 (Band 18), 850 (Band 19), 800 (Band 20), 850 (Band 26), 700 (Band 28) WIFI Scan: 802.11b
	Wireless Protocol Standards	-3GPP TS 51.010-1 V12.9.0: Mobile Station (MS) conformance specification; Part 1: Conformance specification -3GPP TS 36.521-1 V13.3.0: User Equipment (UE) conformance

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

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

46. 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.
47. 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).
48. LPWAN (also called Mobile Narrowband) supports HP Protect & Trace with Wolf Connect service through the subscription term, but does not support mobile broadband use.

POWER

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

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

		EAEU, KCC(Safety+EMC) and K-MEPS, NOM-001 and 029 NYCE, NRcan, NRCS, ISC, SEC, PSB, Argentina S-mark, Australia GEMS and RCM, BIS, BSMI, UAE, UKCA DoC
140W Gallium Nitride USB-C AC power adapter	Weight (DC Cable Included)	300 g ± 10 g
	Input	100 Vac ~ 240 Vac
	Input Efficiency	USB-C 90.00 % min at 115 Vac/ 230 Vac @ 28.00 V/ 5.00 A
	Input frequency range	47 Hz ~ 63 Hz
	Input AC current	Max 1.60 A at 90 Vac input
	Output	
	Output power	28.00 V / 140.00 W
	DC output	+ 28.00 V
	Hold - up time	5 ms at 115 Vac input
	Output Over Current Protection	5.40 A (max)
	AC Inlet Type	Fixed 2 Prong
	DC Cable Connector	USB Type-C
	DC Cable Material	Halogen Free
	Connector	
	Connector	Fixed 2 Prong
	DC Plug	USB Type-C
	Environmental Design	
	Operating temperature	0°C to 35°C (32°F to 95°F)
	Non - operating(storage) temperature	-20°C to 85°C (-4°F to 185°F)
	Altitude	0 m to 5000 m (0 ft to 16404.2 ft)
	Humidity	20 % to 95 %
	Storage Humidity	10 % to 95 %
	EMI and Safety Certifications	Worldwide safety standards - IEC60950-1 and IEC62368-1: 2018, EN62368-1:2014+A11, UL62368-1 Agency approvals - C-UL-US, TUV/GS, TUV/PSE, EN55032 Class B, FCC Class B, CISPR32 Class B, CCC and CECP, CU(EAC),

		EAEU, KCC(Safety+EMC) and K-MEPS, NOM-001 and 029 NYCE, NRcan, NRCS, ISC, SEC, PSB, Argentina S-mark, Australia GEMS and RCM, BIS, BSMI, UAE, UKCA DoC
140W Gallium Nitride USB-C AC power adapter	Weight (DC Cable Included)	300 g ± 10 g
	Input	100 Vac ~ 240 Vac
	Input Efficiency	USB-C 90.00 % min at 115 Vac/ 230 Vac @ 28.00 V/ 5.00 A
	Input frequency range	47 Hz ~ 63 Hz
	Input AC current	Max 1.60 A at 90 Vac input
	Output	
	Output power	28.00 V / 140.00 W
	DC output	+ 28.00 V
	Hold - up time	5 ms at 115 Vac input
	Output Over Current Protection	5.40 A (max)
	AC Inlet Type	Foldable for 2 prong
	DC Cable Connector	USB Type-C
	DC Cable Material	Halogen Free
	Connector	
	Connector	Foldable for 2 prong
	DC Plug	USB Type-C
	Environmental Design	
	Operating temperature	0°C to 35°C (32°F to 95°F)
	Non - operating(storage) temperature	-20°C to 85°C (-4°F to 185°F)
	Altitude	0 m to 5000 m (0 ft to 16404.2 ft)
	Humidity	20 % to 95 %
	Storage Humidity	10 % to 95 %
	EMI and Safety Certifications	Worldwide safety standards - IEC60950-1 and IEC62368-1: 2018, EN62368-1:2014+A11, UL62368-1 Agency approvals - C-UL-US, TUV/GS, TUV/PSE, EN55032 Class B, FCC Class B, CISPR32 Class B, CCC and CECP, CU(EAC),

		EAEU, KCC(Safety+EMC) and K-MEPS, NOM-001 and 029 NYCE, NRcan, NRCS, ISC, SEC, PSB, Argentina S-mark, Australia GEMS and RCM, BIS, BSMI, UAE, UKCA DoC
Battery		
SN 96Wh Long Life Polymer Fast charge 6 cell Battery	Weight	333g ± 10 g
	Cells / Type	6 cell Lithium-Ion Polymer /
	Energy	
	Voltage	15.64
	Amp - hour capacity	6.33
	Watt - hour capacity	96
	Temperature	
	Operating (Charging)	0 to 45
	Operating (Discharging)	-10 to 65
	Optional Travel Battery Available	No

AUDIO

Privacy panel is only available on select models.

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

FINGERPRINT READER

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

OPTIONS

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

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

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

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

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

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

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

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

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

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

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

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

HP 975 Dual-Mode USB+Bluetooth Wireless Keyboard	#ABX,7E756AA#ABY,7E756AA#ABZ,7E756AA#AC0,7E756AA#ACB,7E756AA#ACQ,7E756AA#AKC,7E756AA#AKE,7E756AA#AKQ,7E756AA#AKR,7E756AA#AKS,7E756AA#AR4,7E756AA#ARK,7E756AA#B15,7E756AA#BCM,7E756AA#BED,7E756AA#UUF,7E756AA#UUW,7E756AA#UUZ 3Z726AA#A2M,3Z726AA#A2Q,3Z726AA#AB0,3Z726AA#AB1,3Z726AA#AB2,3Z726AA#AB4,3Z726AA#AB6,3Z726AA#AB7,3Z726AA#AB8,3Z726AA#AB9,3Z726AA#ABA,3Z726AA#ABB,3Z726AA#ABC,3Z726AA#ABD,3Z726AA#ABE,3Z726AA#ABF,3Z726AA#ABH,3Z726AA#ABJ,3Z726AA#ABM,3Z726AA#ABN,3Z726AA#ABS,3Z726AA#ABT,3Z726AA#ABU,3Z726AA#ABV,3Z726AA#ABX,3Z726AA#ABY,3Z726AA#ABZ,3Z726AA#AC0,3Z726AA#AC3,3Z726AA#AC4,3Z726AA#ACB,3Z726AA#ACH,3Z726AA#ACJ,3Z726AA#AK4,3Z726AA#AKB,3Z726AA#AKC,3Z726AA#AKD,3Z726AA#AKE,3Z726AA#AKL,3Z726AA#AKQ,3Z726AA#AKR,3Z726AA#AKS,3Z726AA#AR4,3Z726AA#ARK,3Z726AA#B15,3Z726AA#BCM,3Z726AA#BED,3Z726AA#BH5,3Z726AA#UUF,3Z726AA#

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

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

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

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

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

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

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

CHANGELOG

Date of change	Version History		Description of change
September 18, 2026	V1 to V2	Updated	Memory Section
September 22, 2026	V2 to V3	Updated	Display Section
October 7, 2026	V3 to V4	Updated	Environmental Data
November 4, 2026	V4 to V5	Updated	Power Section
November 12, 2026	V5 to V6	Updated	Software and Security Section

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