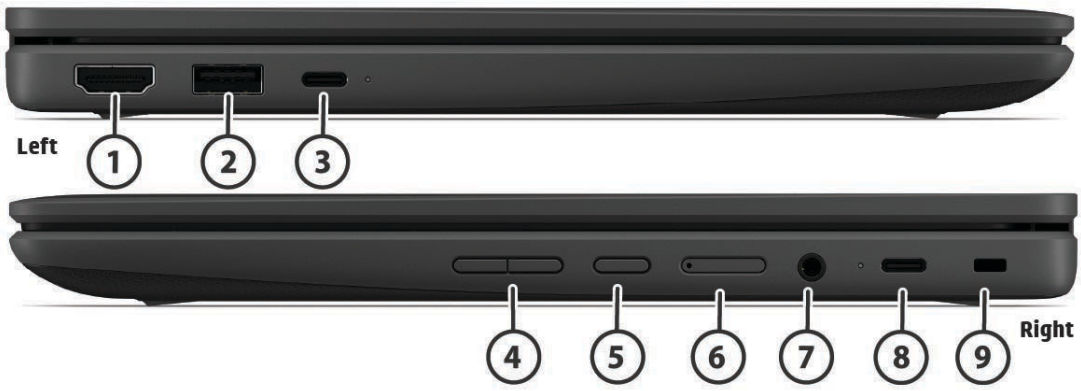
HP Fortis Flip G2m 11 inch Chromebook

Front

1	Internal Microphone	6	Lock Key
2	Webcam	7	Touchpad
3	Camera Shutter	8	Microphone (Optional)
4	Webcam LED	9	5MP World Facing HDR secondary camera (Optional)
5	Pen Charging Garage (Optional)		



Sides

1	HDMI 1.4b	4	Volume button
2	USB Type-A 5Gbps signaling rate	5	Power Button
3	USB Type-C® 5Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4)	6	Nano SIM card slot (optional)
		7	Headphone/mic combo jack
		8	USB Type-C® 5Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4)
		9	Nano Security Slot

PRODUCT NAME

HP Fortis Flip G2m 11 inch Chromebook

OPERATING SYSTEM

Preinstalled

ChromeOS

PROCESSORS

Processor [1,2]	Cores	Threads	Base Frequency	L3 Cache	Integrated Graphic
Mediatek Kompanio processor 540	8 cores	8	2.00 GHz	1MB	ARM® Mali™ G57 MC2

1. Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. MediaTek numbering, branding, naming are not a measurement of clock speed.
2. Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.

GRAPHICS

Integrated

ARM® Mali™ G57 MC2

Supported Protocols

Support HDMI 1.4b

Display supported (including internal display; dock may be required) up to 2

DISPLAY

Availability may vary by country.

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

Touch

29.5 cm (11.6") diagonal, FHD (1920 x 1080), LCD, Direct Bonding Touch Screen, UWVA, BrightView, Gorilla Glass 3, 300 nits, NTSC 52%

29.5 cm (11.6") diagonal, HD (1366x768), LCD, Direct Bonding Touch Screen, UWVA, BrightView, Gorilla Glass 3, 250 nits, NTSC 50%

Display Size (Diagonal)

29.5 cm (11.6")

Aspect Ratio

16:9

Screen to Body Ratio

Up to 72.46%

Max Hinge Open Angle

360°

DOCKING (SOLD SEPARATELY)

Docking station model name

HP USB-C™ 100W G6 Dock

Total number of supported displays (incl.the notebook)

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.

STORAGE AND DRIVES

Storage

64 GB eMMC 5.0 [3]

128 GB UFS [3]

3. For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 32 GB is reserved for system recovery software. Storage performance may vary by configuration and usage.

MEMORY

Memory Slot	Onboard memory, no memory slots
Memory Type	LPDDR5X
Maximum supported memory	16 GB LPDDR5X-8533 MT/s
Available memory configuration	16 GB LPDDR5X-8533 MT/s, single-channel 8 GB LPDDR5X-8533 MT/s, single-channel 4 GB LPDDR5X-8533 MT/s, single-channel
Notes	System runs at 6400 MT/s Memory is non-accessible / non-upgradeable.

NETWORKING /COMMUNICATIONS

Items below may be optional.

WLAN

Mediatek MT7925 Wi-Fi 7 Bluetooth® 6.0 WW WLAN [4]

Mediatek RZ616 Wi-Fi 6E Bluetooth® 5.3 AIM-T WLAN [5,6]

WWAN

Qualcomm® SDX35 5G RedCap WWAN [7]

Qualcomm® X12 4G LTE-Advanced (CAT 6) WWAN [8]

Chromecast

Chromecast Support [9]

4. 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 Chrome 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.
5. Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. Available in countries where Wi-Fi 6E is supported.
6. Wi-Fi 6E is designed to support gigabit data rate when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 80MHz and higher channels.
7. 5G module is optional. WWAN-ready configuration must be selected at purchase to add WWAN module at a later date (WWAN After Market Option Kit). Module designed for 5G RedCap (Reduced Capability), 5G NR SA (Standalone) and 4G LTE Public and Private networks with both 20MHz of 5G NR and LTE channel bandwidth, using 256QAM 2x2 as defined by 3GPP. Module includes embedded eSIM. 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 technologies. 5G module planned to be available in select platforms and select countries, where carrier and frequency bands supported.
8. 4G module is optional. WWAN-ready configuration must be selected at purchase to add WWAN at a later date. Check with service provider for coverage and availability in your area. Connection, upload and download speeds will vary due to network, location, environment, network conditions, and other factors. 4G LTE not available on all products, in all regions."ustry 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.

9. Chromecast must be purchased separately.

AUDIO/MULTIMEDIA

Audio

2 Integrated stereo speakers

2 Integrated dual array microphone

Speaker Power

2W / 4 ohm per speaker

Camera

FHD HDR camera

5MP World Facing HDR secondary camera

Sensors

Accelerometer

Hall Effect Sensor

KEYBOARDS/POINTING DEVICES/BUTTONS & FUNCTION KEYS

Keyboard

Full-size island-style Chrome keyboard, top mount design, Pick-Resistant, spill resistant with HP Full-Skirted Anchored Key [10]

Pointing Device

Clickpad

Multi-touch gesture support

Taps enabled as default

Function Keys

ESC - Escape

F1 - Back

F2 - Refresh

F3 - Full screen

F4 - Overview

F5 - Screenshot

F6 - Display Brightness Down

F7 - Display Brightness Up

F8 - Dictation

F9 - Play or pause media

F10 - Turn on/off microphone

F11 - Audio Mute

F12 - Volume Down

F13- Volume Up

10. Keyboard is replaceable by an authorized HP service provider or trained IT personnel.

DIGITAL PEN

Marketing Name

HP MPP USI Pen (HP Elite Pen) [11]

Functions

Pen Loss Alert

Charging time

30 seconds

Usage time

Up to 120 minutes

Dimensions

Pen diameter: 9.00 mm (0.35 in)

Pen length: 155.00 mm (6.10 in)

Weight

16.000 g (0.035 lbs)

Pen Protocol

USI 2.0

11. HP MPP USI Pen and HP Elite Pen refer to the same pen. The product name may vary by sales channel.

SOFTWARE AND SECURITY

Application Software

HP Support Assistant

Manageability Features

ChromeOS Education Upgrade [12,13,14]

ChromeOS Enterprise Upgrade [14]

Security Management

NuvoTitan Security Chip

Security lock slot (Lock sold separately) [12]

Zero-touch enrollment [15]

Security - TPM

Model

NuvoTitan

FIPS 201 Compliant

No

IPv6 Support

Yes

FirstNet Certified

No

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

Yes

UEFI version

No

Class

No

12. Sold separately

13. ChromeOS Education Upgrade requires one-time setup, subscription, Google Admin Console, and your organization's domain. Please see https://support.google.com/a/answer/60216

14. The ChromeOS Upgrade must be bundled at the time of configuration during purchase and cannot be added after manufacturing. Please verify that the correct Upgrade is selected prior to order placement, as Upgrades cannot be exchanged or substituted after purchase. The ChromeOS Education Upgrade may not be available for sale through Channel Partners in certain countries; availability is subject to local sales terms and Google licensing requirements.

15. Zero-touch enrollment is sold separately and requires separately purchased HP Get More Service. 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

POWER

Power supply availability may vary by country.

Battery is internal and replaceable by customer.

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

Using lower-capacity third-party USB Type-C® power cables may reduce power delivery.

Power Supply

HP 45W Standard USB Type-C® GaN AC power adapter

HP 45W Wall Mount USB Type-C® GaN Halogen Free AC power adapter

Battery

HP Long Life 3 cell, 41Wh Polymer

Battery Recharge Time

Supports battery HP Fast Charge: approximately 90% in 90 minutes [16]

Power Cord

3-wired plug- 1.0m for standard type adapter

USB-C Power Cable- 2.0m for wall mount adapter

Battery life

Up to 15 hours with 41Whr battery (Mediatek Kompanio 540, UMA graphic, brightness set to 150nits on a 11-inch HD 250nits LCD display, 8GB LPDDR5X memory, 128 GB UFS) [17]

16. Recharges up to 90% within 90 minutes when the system is off or in standby mode when used with the power adapter provided with the notebook. After charging has reached 90% capacity, charging speed will return to normal. Charging time may vary +/-10% due to System tolerance.

17. Testing conducted by HP using Google Chrome OS Power Qualification Test v2. Battery life will vary and the maximum capacity of the battery will naturally decrease with time and usage and battery optimization activation. See http://www.chromium.org/chromium-os/testing/power-testing for test details. Battery configuration and charge capacity is optimized to improve battery health over time based upon charging patterns and temperature.

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 1.1983kg (2.64 lb) with 41.00 Wh battery

Product Dimensions (w x d x h) [18]

Width: 288.00 mm (11.34 in)

Depth: 199.90 mm (7.87 in)

Height Front: 12.95 mm (0.51 in)

Height Rear: 19.10 mm (0.75 in)

Maximum Height: 20.3 mm (0.8 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.

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

PORTS/SLOTS

The actual throughput of ports may vary and depending on many factors, such as the processing speed of the host device and other factors related to system configuration and the operating environment, will be slower than theoretical speed.

Left side

1 x USB Type-C® 5Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4)

1 x USB Type-A 5Gbps signaling rate

1 x HDMI 1.4b

Right side

1 x USB Type-C® 5Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4)

1 x headphone/mic combo jack

1 x Nano SIM card slot (optional)

1 x Nano Security Slot

ENVIRONMENTAL DATA

<table>
<tr><td rowspan="5">Environmental Data</td><td>Eco-Label Certifications & Declarations</td><td colspan="3">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.
China Energy Conservation Program (CECP)
China State Environmental Protection Administration (SEPA)
Taiwan Green Mark
Korea Eco-label
Japan PC Green label*</td></tr>
<tr><td>Sustainable Impact Specifications</td><td colspan="3">Product Carbon Footprint
At least 5% Speaker - enclosures in the ocean bound plastic[1]
At least 5% post-consumer recycled plastic[2]
At least 20% 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</td></tr>
<tr><td>System Configuration</td><td colspan="3">The configuration used for the Energy Consumption and Declared Noise Emissions data for the Notebook model is based on a “Typically Configured Notebook”.</td></tr>
<tr><td>Energy Consumption (in accordance with US ENERGY STAR® test method)</td><td>115VAC, 60Hz</td><td>230VAC, 50Hz</td><td>100VAC, 50Hz</td></tr>
<tr><td>Normal Operation (Short idle)</td><td>2.66 W</td><td>2.7 W</td><td>2.74 W</td></tr>
<tr><td></td><td>Normal Operation (Long idle)</td><td>0.25 W</td><td>0.25 W</td><td>0.25 W</td></tr>
<tr><td></td><td>Sleep</td><td>0.25 W</td><td>0.25 W</td><td>0.25 W</td></tr>
<tr><td></td><td>Off</td><td>0.13 W</td><td>0.14 W</td><td>0.13 W</td></tr>
</table>

		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)	9 BTU/hr	10 BTU/hr	9 BTU/hr
	Normal Operation (Long idle)	1 BTU/hr	1 BTU/hr	1 BTU/hr
	Sleep	1 BTU/hr	1 BTU/hr	1 BTU/hr
	Off	0.4 BTU/hr	0.5 BTU/hr	0.4 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	18	
	Fixed Disk - Random writes	2.6	18	
	Active Mode	N/A	N/A	
	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 96.3% recycle-able when properly disposed of at end of life.		
	Packaging Materials	**External:**	PAPER/Corrugated	202 g
			PAPER/Molded Pulp	88 g
			PAPER/Paper	6 g
		Internal:	PLASTIC/LDPE - Polyethylene low density	8 g
		The plastic packaging material contains at least 0% recycled content.		
		The corrugated paper packaging materials contains at least 100% 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.

SYSTEM UNIT

Stand - Alone Power Requirements	
(AC Power)	
Nominal Operating Voltage	20.0 V
Max Operating Power	UMA < 15 W
Temperature	
Operating	5° to 35° C (41° to 95° F) No sustained direct exposure to sunlight, System performance may be reduced above 32°C (89.6°F)
Non - operating	-20° to 60° C (-4° to 140° F) No sustained direct exposure to sunlight, System performance may be reduced above 32°C (89.6°F)
Relative Humidity	
Operating	10% to 90% (non-condensing)
Non - operating	5% to 95%, 38.7° C (101.6° F) maximum wet bulb temperature
Shock	
Operating	40 G, 2 ms, half-sine
Non - operating	240 G, 2 ms, half-sine
Random Vibration	
Operating	1.043 grms
Non - operating	3.500 grms
Altitude(unpressurized)	
Operating	3,048 m (10,000 ft)
Non - operating	12,192 m (40,000 ft)
Industry Standard Certifications	
Regulatory Model Number	TPN-C183
UL 62368-1	Yes
ENERGY STAR® [19]	Yes
FCC/ICES/CISPR/VCCI	Yes
CE MARKING	Yes
GS Mark	No
China CCC/SRRC/CEL	No
Taiwan BSMI/NCC	Yes
Korea KCC/KC/KES	Yes

Ukraine NSoC/TEC	Yes
EAEU Compliance	Yes
Saudi Arabian Compliance	Yes
TCO	Yes
EPEAT Gold [20]	Yes
Low Blue Light	No
WW RoHS	Yes
CECP	No
Medical EMC: IEC 60601-1-2:2014 EN60601-1-2: 2015	No
SEPA	No
MIL - STD Testing [21]	MIL-STD 810H

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

20. Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit http://www.epeat.net for more information.

21. 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

29.5 cm (11.6") diagonal, FHD (1920 x 1080), LCD, Direct Bonding Touch Screen, UWVA, BrightView, Gorilla Glass 3, 300 nits, NTSC 52%	**Active Area**	256.320 x 144.180 mm (typ)
	Dimensions (W x H)	268.000 x 158.000 mm (max)
	Weight	200 g (max)
	Diagonal Size	11.6 inch
	Surface Treatment	BrightView
	Touch Enabled	Yes
	Contrast Ratio	800:1 (typ)
	Refresh Rate	60Hz/40Hz
	Brightness	300 nits (typ)
	Pixel Resolution	RGB
	Pixel Resolution - Format	1920x1080 (FHD)
	Aspect Ratio	16:9
	Backlight	WLED
	Color Gamut Coverage	NTSC 52%
	Color Depth	8bit
	Viewing Angle	UWVA 89/89/89/89
	Low Blue Light	No
	Power Consumption	EBL @ 150 nits: 1.7 W(max)
		EBL @ 200 nits: 2.0 W(max)
		EBL @ 250 nits: 2.3 W(max)
29.5 cm (11.6") diagonal, HD (1366x768), LCD, Direct Bonding Touch Screen, UWVA, BrightView, Gorilla Glass 3, 250 nits, NTSC 50%	**Active Area**	256.125 x 144.000 mm (typ)
	Dimensions (W x H)	278.500 x 168.500 mm (max)
	Weight	200 g (max)
	Diagonal Size	11.6 inch
	Surface Treatment	BrightView
	Touch Enabled	Yes
	Contrast Ratio	600:1 (typ)
	Refresh Rate	60 Hz (typ)

Brightness	250 nits (typ)
Pixel Resolution	RGB
Pixel Resolution - Format	1366x768 (HD)
Aspect Ratio	16:9
Backlight	WLED
Color Gamut Coverage	Not Applicable 50%
Color Depth	6 bits (Hi FRC w/ condition to enable)
Viewing Angle	UWVA 85/85/85/85
Low Blue Light	No
Power Consumption	EBL @ 150 nits: 1.9 W(max)

STORAGE

64 GB eMMC 5.0 [1]	**Form Factor**	153 FBGA
	Capacity	64GB
	NAND Type	TLC
	Weight	11.5 x 13mm
	Interface	eMMC 5.x
	Sequential Read	Up to 300 MB/s
	Sequential Write	Up to 200 MB/s
	Logical Blocks	32GB (31,268,536,320 Bytes)/64GB (62,537,072,640 Bytes)
	Features	32° to 158°F (0° to 70°C) [ambient temp]
128 GB UFS [1]	**Form Factor**	UFS 3.1
	Capacity	128GB
	NAND Type	TLC
	Interface	SCSI
	Sequential Read	1000MB/s (ADL-N support UFS 2.1 only)
	Sequential Write	200MB/s
	Logical Blocks	128GB (127,984,992,256 Bytes)
	Features	HS400

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. Storage performance may vary by configuration and usage.

NETWORKING / COMMUNICATION

Mediatek MT7925 Wi-Fi 7 Bluetooth® 6.0 WW WLAN [1]	**Wireless LAN Standards**	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 802.11j IEEE 802.11k IEEE 802.11mc IEEE 802.11n IEEE 802.11r IEEE 802.11v IEEE 802.11w
	Interoperability	Wi-Fi certified
	Frequency Band	802.11b/g/n/ax/be(Wifi7) 2.402 - 2.482 GHz 802.11a/n/ac/ax/be(Wifi7) 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 5.925 - 7.125 GHz 5.955 - 6.415 GHz 6.435 - 6.515 GHz 6.535 - 6.875 GHz 6.895 - 7.115 GHz

	802.11b/g/n/ax(Wifi6/Wifi6E) 2.402 - 2.482 GHz 802.11a/n/ac/ax(Wifi6/Wifi6E) 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 5.925 - 7.125 GHz 5.955 - 6.415 GHz 6.435 - 6.515 GHz 6.535 - 6.875 GHz 6.895 - 7.115 GHz
Data Rates	802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11ac : MCS0 ~ MCS9, (20MHz, 40MHz, 80MHz, 160MHz) 802.11ax : MCS0 ~ MCS11, (20MHz, 40MHz, 80MHz, 160MHz) 802.11b: 1, 2, 5.5, 11 Mbps 802.11be : MCS0~13, (20MHz, 40MHz, ,80MHz, 160MHz, 320MHz) 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11n: MCS 0 ~ MCS 15, (20MHz, 40MHz)
Modulation	Direct Sequence Spread Spectrum 338, 335, 337, 339, 336, 332, 334, 331, 333
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 minimum
	802.11ac MCS9(VHT20) : 13.5dBm minimum
	802.11ac MCS9(VHT40) : +13.5dBm minimum
	802.11ac MCS9(VHT80) : +12.5dBm minimum
	802.11ac MCS9(VHT160) : +10.5dBm minimum
	802.11ax MCS11(HE20)(6GHz) : +11.5dBm minimum
	802.11ax MCS11(HE40)(6GHz) : +7.5dBm minimum
	802.11ax MCS11(HE80)(6GHz) : +7.5dBm minimum
	802.11ax MCS11(HE160)(6GHz) : +7.5dBm minimum
	802.11be MCS13(EHT20)(6GHz) : +11.5dBm
	802.11be MCS13(EHT40)(6GHz) : +7.5dBm
	802.11be MCS13(EHT80)(6GHz) : +7.5dBm
	802.11be MCS13(EHT160)(6GHz) : +6.5dBm
Power Consumption	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/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 [4]	802.11b, 1Mbps : -93.5dBm maximum
	802.11b, 11Mbps : -85dBm maximum
	802.11a/g, 6Mbps : -90.5dBm maximum
	802.11a/g, 54Mbps : -72.5dBm maximum

	802.11n, MCS0(HT20) : -90dBm maximum 802.11n, MCS7(HT20) : -71.5dBm maximum 802.11n, MCS0(HT40) : -88.5dBm maximum 802.11n, MCS7(HT40) : -68.5dBm maximum 802.11ac, MCS9(VHT20) : -88.5dBm maximum 802.11ac, MCS9(VHT40) : -65.5dBm maximum 802.11ac, MCS9(VHT80) : -60.5dBm maximum 802.11ac, MCS9(VHT160) : -58.5dBm maximum 802.11ax, MCS11(HE20)(6GHz) : -59.5dBm maximum 802.11ax, MCS11(HE40)(6GHz) : -56.5dBm maximum 802.11ax, MCS11(HE80)(6GHz) : -53.5dBm maximum 802.11ax, MCS11(HE160)(6GHz) : -51.5dBm maximum 802.11be, MCS13(EHT20)(6GHz) : -55.5dBm maximum 802.11be, MCS13(EHT40)(6GHz) : -53.5dBm maximum 802.11be, MCS13(EHT80)(6GHz) : -51.5dBm maximum 802.11be, MCS13(EHT160)(6GHz) : -48.5dBm maximum
Antenna Type	High efficiency antenna with spatial diversity, mounted in the display enclosure Two embedded dual band 2.4/5 GHz antennas are provided to the card to support WLAN MIMO communications and Bluetooth communications
Form Factor	PCI Express® M.2 MiniCard
Dimensions	2.30 x 22.00 x 30.00 mm (0.09 x 0.87 x 1.18 inch)
Weight	Type 2230: 2.8 g(0.099 oz)
Operating Voltage	3.3 v +/- 9 %
	Integrated Bluetooth® specifications
Bluetooth® Specification	4.0/4.1/4.2/5.0/5.1/5.2/5.3/5.4/6.0 Compliant
Frequency Band	2402 to 2480 MHz
Number of Available Channels	Legacy : 0~79 (1 MHz/CH) BLE : 0~39 (2 MHz/CH)
Data Rates and Throughput	Legacy : 3 Mbps data rate; throughput up to 2.17 Mbps BLE : 1 Mbps data rate; throughput up to 0.2 Mbps

	Legacy : Synchronous Connection Oriented links up to 3, 64 kbps, voice channels Legacy : Asynchronous Connection Less links 2178.1 kbps/177.1 kbps asymmetric (3-DH5) or 864 kbps symmetric (3-EV5)
Transmit Power	The Bluetooth component shall operate as a Class I Bluetooth device with a maximum transmit power of +15.5 dBm for BR and +13dBm for EDR.
Power Consumption	Peak (Tx): 330 mW Peak (Rx): 230 mW Selective Suspend: 17 mW
Bluetooth® Software	Microsoft Windows Bluetooth® Software
Supported Link Topology	Linux/Chrome OS Bluetooth® Software
Power Management	Microsoft Windows ACPI, and USB Bus Support
Certifications	FCC (47 CFR) Part 15C/E, Section 15.247, 15.249, 15.407 ETSI 300 328, ETSI 301 893, ETSI 303 687
FIPS 140-3 compliant	No
Bluetooth® Profiles Supported	Advanced Audio Distribution Profile (A2DP) Basic Imaging Profile (BIP) Bluetooth® 4.1 -ESR 5/6/7 Compliance Bluetooth® 4.2 ESR08 Compliance Bluetooth® 5.2 Bluetooth® 5.3 Bluetooth® 5.4 Bluetooth® 6.0 Channel Selection Algo Compliance to the latest Errata Section 12.3 of Bluetooth® 5.3 specification Encryption key size control enhancements ESR 9/10 Compliance FAX Profile (FAX) Hands Free Profile (HFP) Headset Profile (HSP)

		Host to Controller Encryption Key Control Enhancements
		LE 2Mbps
		LE Advertisement Extensions
		LE Data Packet Length Extension
		LE Dual Mode
		LE L2CAP Connection Oriented Channels
		LE Link Layer
		LE Link Layer Ping
		LE Long Range
		LE Low Duty Cycle Directed Advertising
		LE Privacy 1.2 -Extended Scanner Filter Policies
		LE Privacy 1.2 -Link Layer Privacy
		LE Secure Connection- Basic/Full
		Limited High Duty Cycle Non-Connectable Advertising
		Periodic Advertisement interval
		Train Nudging & Interlaced Scan
		Windows Bluetooth® profiles support
Mediatek RZ616 Wi-Fi 6E Bluetooth® 5.3 AIM-T WLAN [2,3]	**Wireless LAN Standards**	IEEE 802.11a
		IEEE 802.11ac
		IEEE 802.11ax
		IEEE 802.11b
		IEEE 802.11d
		IEEE 802.11e
		IEEE 802.11g
		IEEE 802.11h
		IEEE 802.11i
		IEEE 802.11j
		IEEE 802.11k
		IEEE 802.11mc
		IEEE 802.11n
		IEEE 802.11r
		IEEE 802.11v

	IEEE 802.11w
Interoperability	Wi-Fi certified
Frequency Band	802.11b/g/n/ax/be(Wifi7) 2.402 - 2.482 GHz 802.11a/n/ac/ax/be(Wifi7) 5.15 - 5.25 GHz 5.25 - 5.35 GHz 5.47 - 5.725 GHz 5.825 - 5.850 GHz 5.925 - 7.125 GHz
Data Rates	802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11ac : MCS0 ~ MCS9, (20MHz, 40MHz, 80MHz, 160MHz) 802.11ax : MCS0 ~ MCS11, (20MHz, 40MHz, 80MHz, 160MHz) 802.11b: 1, 2, 5.5, 11 Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11n: MCS 0 ~ MCS 15, (20MHz, 40MHz)
Modulation	Direct Sequence Spread Spectrum 338, 335, 337, 336, 332, 334, 331, 333
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	2.4GHz (MIMO, typical): 802.11b : +18dBm

	802.11g : +16.5dBm
	802.11n/ac/ax (HT20/VHT20/HE20) : +16dBm
	802.11n/ac/ax (HT40/VHT40/HE40) : +12.5dBm
	5GHz (MIMO, typical):
	802.11a : +13dBm
	802.11n/ac/ax (HT20/VHT20/HE20) : +13.5dBm
	802.11n/ac/ax (HT40/VHT40/HE40) : +12.5dBm
	802.11ac/ax (VHT80/HE80) : +11.5dBm
	802.11ax HE160 : +11.5dBm
	6GHz LPI mode (MIMO, typical):::
	802.11a : 0dBm
	802.11ax HE20 : +1dBm
	802.11ax HE40 : +4dBm
	802.11ax HE80 : +7dBm
	802.11ax HE160 : +7.5dBm
Power Consumption	Transmit mode : 2.5 W
	Receive mode : 2.0 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 [4]	2.4GHz (SISO):
	802.11b, 11Mbps : -82dBm maximum
	802.11g, 54Mbps : -71dBm maximum
	802.11n, MCS7 : -64dBm maximum
	802.11ac, MCS9 : -52dBm maximum
	802.11ax, MCS11(HT40): -49dBm maximum
	5GHz (SISO):
	802.11a, 54Mbps : -71dBm maximum
	802.11n, MCS07 : -64dBm maximum

	802.11ac, MCS9 : -52dBm maximum 802.11ax, MCS11(HE80/HE160): -46dBm maximum 6GHz (SISO): 802.11a, 54Mbps : -71dBm maximum 802.11n, MCS7 : -64dBm maximum 802.11ac, MCS9 : -52dBm maximum 802.11ax, MCS11(HE160): -46dBm maximum
Antenna Type	High efficiency antenna with spatial diversity, mounted in the display enclosure Two embedded dual band 2.4/5/6 GHz antennas are provided to the card to support WLAN MIMO communications and Bluetooth communications
Form Factor	PCI Express® M.2 MiniCard
Dimensions	30.00 x 22.00 x 2.30 mm (1.18 x 0.87 x 0.09 inch)
Weight	Type 2230: 2.8 g(0.099 oz)
Operating Voltage	3.3 v +/- 9 %
	Integrated Bluetooth® specifications
Bluetooth® Specification	4.0/4.1/4.2/5.0/5.1/5.2/5.3 Compliant
Frequency Band	2402 to 2480 MHz
Number of Available Channels	Legacy : 0~79 (1 MHz/CH) BLE : 0~39 (2 MHz/CH)
Data Rates and Throughput	Legacy : 3 Mbps data rate; throughput up to 2.17 Mbps BLE : 1 Mbps data rate; throughput up to 0.2 Mbps Legacy : Synchronous Connection Oriented links up to 3, 64 kbps, voice channels Legacy : Asynchronous Connection Less links 2178.1 kbps/177.1 kbps asymmetric (3-DH5) or 864 kbps symmetric (3-EV5)
Transmit Power	The Bluetooth component shall operate as a Class 1.5 Bluetooth device with a maximum transmit power of + 14 dBm and 10 dBm for BR and EDR, respectively.
Power Consumption	Peak (Tx): 330 mW Peak (Rx): 230 mW

	Selective Suspend: 17 mW
Bluetooth® Software	Microsoft Windows Bluetooth® Software
Supported Link Topology	
Power Management	Microsoft Windows ACPI, and USB Bus Support
Certifications	FCC (47 CFR) Part 15C/E, Section 15.247, 15.249, 15.407
	ETSI 300 328, ETSI 301 893, ETSI 303 687
FIPS 140-3 compliant	No
Bluetooth® Profiles	Advanced Audio Distribution Profile (A2DP)
Supported	Basic Imaging Profile (BIP)
	Bluetooth® 4.1 -ESR 5/6/7 Compliance
	Bluetooth® 4.2 ESR08 Compliance
	Bluetooth® 5.2
	Channel Selection Algo
	Encryption key size control enhancements
	FAX Profile (FAX)
	Hands Free Profile (HFP)
	Headset Profile (HSP)
	LE 2Mbps
	LE Advertisement Extensions
	LE Data Packet Length Extension
	LE Dual Mode
	LE L2CAP Connection Oriented Channels
	LE Link Layer
	LE Link Layer Ping
	LE Long Range
	LE Low Duty Cycle Directed Advertising
	LE Privacy 1.2 –Extended Scanner Filter Policies
	LE Privacy 1.2 –Link Layer Privacy
	LE Secure Connection- Basic/Full
	Limited High Duty Cycle Non-Connectable Advertising
	Periodic Advertisement interval
	Train Nudging & Interlaced Scan
	Windows Bluetooth® profiles 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 Chrome 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.
2. Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. Available in countries where Wi-Fi 6E is supported.
3. Wi-Fi 6E is designed to support gigabit data rate when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 80MHz and higher channels.
4. Receiver sensitivity is measured at a packet error rate of 8% for 802.11b (CKK modulation) and a packet error rate of 10% for 802.11a/g (OFDM modulation).

Qualcomm® X12 4G LTE-Advanced (CAT 6) WWAN [5]	**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 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 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)
	GPS	Standalone
		A-GPS (MS-A, MS-B)
	GPS Bands	GPS L1 (1575.42MHz)
		GLONASS L1 (1602MHz)
		Beidou B1 (1561.098MHz)
		Galileo E1 (1575.42MHz)
	Maximum Data Rates	DC-HSPA+: 42.00 Mbps(Download), 5.76 Mbps (Upload)
		(0.30 Gbps Download), (50.00 Mbps Upload)
	Maximum Power Consumption	LTE: 2,500 mA (peak); 800 mA (average)
	Form Factor	M.2
	Weight	8.0 g (0.282 oz)
	Dimensions (Length x Width x Thickness)	30.00 x 42.00 x 2.30 mm (1.18 x 1.65 x 0.09 inch)
	Embedded eSIM	Yes
Qualcomm® SDX35 5G RedCap WWAN [6]	**Technology Operating Bands**	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 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)
n12: 699 to 716 MHz (UL), 729 - 746 MHz (DL)
n13: 777 to 787 MHz (UL), 746 - 756 MHz (DL)
n14: 788 to 798MHz (UL), 758 - 768 MHz (DL)
n18: 815 to 830 MHz (UL), 860 - 875 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)
n26: 814 to 839 MHz (UL), 860 - 875 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) n70: 1695 to 1710 MHz (UL), 1995 to 2020 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)
Maximum Data Rates	5G SA sub-6 Peak: 226.00 Mbps(Download), 121.00 Mbps (Upload) (0.20 Gbps Download), (105.00 Mbps Upload)
Maximum Output Power	NR n41, n77, n78, n79 HPUE: 26.0 dBm Support HPUE LTE all band (except B30= 22dBm & B48= 21.5dBm): 23.0 dBm Not support HPUE
Maximum Power Consumption	5G Sub 6: 2,500 mA (peak); 900 mA (average) LTE: 2,500 mA (peak); 900 mA (average)
Form Factor	M.2
Weight	5.9 g (0.208 oz)
Dimensions (Length x Width x Thickness)	30.00 x 42.00 x 2.30 mm (1.18 x 1.65 x 0.09 inch)
Embedded eSIM	Yes

5. 4G module is optional. WWAN-ready configuration must be selected at purchase to add WWAN at a later date. Check with service provider for coverage and availability in your area. Connection, upload and download speeds will vary due to network, location, environment, network conditions, and other factors. 4G LTE not available on all products, in all regions."ustry 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.

6. 5G module is optional. WWAN-ready configuration must be selected at purchase to add WWAN module at a later date (WWAN After Market Option Kit). Module designed for 5G RedCap (Reduced Capability), 5G NR SA (Standalone) and 4G LTE Public and Private networks with both 20MHz of 5G NR and LTE channel bandwidth, using 256QAM 2x2 as defined by 3GPP. Module includes embedded

eSIM. 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 technologies. 5G module planned to be available in select platforms and select countries, where carrier and frequency bands supported.

POWER

Power supply availability may vary by country.

Battery is internal and replaceable by customer.

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

Using lower-capacity third-party USB Type-C® power cables may reduce power delivery.

HP 45W 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 88.85 % min at 115 Vac/ 230 Vac @ 20.00 V/ 2.25 A
	Input frequency range	47 Hz ~ 63 Hz
	Input AC current	Max 1.40 A at 90 Vac input
	Output	
	Output power	20.00 V / 45.00 W
	DC output	+ 20.00 V
	Hold - up time	5 ms at 115 Vac input
	Output Over Current Protection	5.00 A (max)
	AC Inlet Type	C6
	DC Cable Connector	USB Type-C
	DC Cable Material	PVC
	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	CE Mark - full compliance with LVD and EMC directives 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 RCM, BIS, BSMI, UAE, UKCA DoC, USB-IF, Ukraine(CoC+DoC+RoHS+ECO)
HP 45W Wall Mount USB Type-C® GaN Halogen Free AC power adapter	Weight (DC Cable Included)	130 g ± 10 g
	Input	100 Vac ~ 240 Vac
	Input Efficiency	USB-C 88.85 % min at 115 Vac/ 230 Vac @ 20.00 V/ 2.25 A
	Input frequency range	47 Hz ~ 63 Hz
	Input AC current	Max 1.40 A at 90 Vac input
	Output	
	Output power	20.00 V / 45.00 W
	DC output	20.00 V
	Hold - up time	5 ms at 115 Vac input
	Output Over Current Protection	3.75 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
	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
HP 45W 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 88.85 % min at 115 Vac/ 230 Vac @ 20.00 V/ 2.25 A
	Input frequency range	47 Hz ~ 63 Hz
	Input AC current	Max 1.40 A at 90 Vac input
	Output	
	Output power	20.00 V / 45.00 W
	DC output	+ 20.00 V
	Hold - up time	5 ms at 115 Vac input
	Output Over Current Protection	5.00 A (max)
	AC Inlet Type	Fixed 2 Prong
	DC Cable Connector	USB Type-C
	DC Cable Material	PVC
	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	CE Mark - full compliance with LVD and EMC directives 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 RCM, BIS, BSMI, UAE, UKCA DoC, USB-IF, Ukraine(CoC+DoC+RoHS+ECO)
Battery		
HP Long Life 3 cell, 41Wh Polymer	Weight	175 g ± 10 g (0.39 lb)
	Cells / Type	3 cell Lithium-Ion Polymer /
	Energy	
	Voltage	11.25 V
	Amp - hour capacity	3.750 Ah
	Watt - hour capacity	41.0.00
	Temperature	
	Operating (Charging)	0°C to 45°C (32°F to 113°F)
	Operating (Discharging)	0°C to 50°C (32°F to 122°F)
	Optional Travel Battery Available	No

AUDIO

Codec	Realtek ALC5650
Audio I/O Ports	Combo audio jack with CTIA
Internal Speaker Amplifier	Codec Integrated (Realtek ALC5650)
Multi-streaming Capable	
Sampling	DAC: Supports resolutions from 16-bit to 24-bit;44.1 kHz to 48.0 kHz
	ADC: Supports resolutions from 16-bit to 24-bit;44.1 kHz to 48.0 kHz
Wavetable Syntheses	Yes - Uses OS soft wavetable
# of Channels on Line-Out	Stereo (Left & Right channels)
Internal Speaker	Yes

OPTIONS

Container Name	Description	Part Number
Adapters	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 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	HP Poly Focus 625 Fold Headset + Wireless Charge Stand	C56XZAA#AC3,C56XZAA#B13
	HP Poly Focus 625 Fold Stereo Bluetooth Headset	C56XSAA#AC3,C56XSAA#B13
	HP Poly Focus 625 Headset + Wireless Charge Stand	C56XXAA#AC3,C56XXAA#B13
	HP Poly Focus 625 Stereo Bluetooth Headset	C56XPAA#AC3,C56XPAA#B13
	HP Poly Mission 415 Monaural USB Wired Headset Classic	C01A9AA#AC3
	HP Poly Mission 425 Stereo USB Wired Headset Classic	C01B3AA#AC3
	HP Poly Mission 615 Monaural	C01F4AA#AC3
	HP Poly Mission 615 Monaural USB Wired Headset	C01C3AA#AC3
	HP Poly Mission 625 Stereo	C01F6AA#AC3
	HP Poly Mission 625 Stereo USB Wired Headset	C01C6AA#AC3
	HP Poly Mission 815 Monaural USB Wired Headset	C01F8AA#AC3,C01F8AA#B13
	HP Poly Mission 825 Stereo USB Wired Headset	C01FCAA#AC3,C01FCAA#B13
	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
	Poly Savi 7310 Monaural DECT 1880-1900 MHz Headset	8L575AA#ABB,8L575AA#ABG
	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
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
Poly Savi 7310 Monaural DECT 1920-1930 MHz Top	783N2AA#ABA
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
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, 8L545AA#UUF
Poly Savi 7320 Stereo DECT 1880-1900 MHz Headset	8L553AA#ABB,8L553AA#ABG, 8L553AA#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
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
Poly Savi 7320 Stereo DECT 1920-1930 MHz Top	783N3AA#ABA
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
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
Poly Savi 8210 DECT 1920-1930 MHz USB-A Headset	77T31AA#ABA

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
Poly Savi 8220 DECT 1920-1930 MHz USB-A Headset	77Y82AA#ABA
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, 8L5A9AA#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#ABG,8L5B4AA#UUF
Poly Savi 8445 DECT 1880-1900 MHz Convertible Headset	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 60 Speakerphone	772C2AA
	Poly Sync 60 Speakerphone	77P41AA
	Poly Sync USB-A USB-C 10 Speakerphone	772C3AA
Camera	HP 435 FHD Webcam	77B10AA#ABA,77B10AA#ABB, 77B10AA#UUF
	HP 625 FHD Webcam	6Y7L1AA#ABB,6Y7L1AA#ABL,6Y7L1AA#UUF
	HP 325 FHD USB-A Webcam	53X27AA
Cases	HP 14 Convertible Laptop Backpack Tote	9C2H1AA
	HP 215 15.6 Laptop Backpack	35L98UT#ACJ,AP4Y9UT#ACJ
	HP 225 15.6 Laptop Backpack	2P7U6AA#ACJ,2P7U6UT#ACJ, AP4Z0UT#ACJ
	HP Campus blue Backpack	7K0E5AA
	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,A08KGUT
	HP Everyday 16 odyssey gray Laptop Backpack	A08KLAA,A08KLUT
	HP Everyday 16 odyssey gray Laptop Bag	A08KKAA
	HP Everyday 16 odyssey gray Laptop Briefcase	A08KHAA,A08KHUT
	HP Modern 14-inch moonless Night Laptop Briefcase	CJ8D0AA#ABB,CJ8D0AA#UUF
	HP Modern 14-inch navy blazer Laptop Briefcase	CJ8F8AA#ABA
	HP Modern 16-inch moonless Night Laptop Briefcase	CJ8D2AA#ABB
	HP Modern 16-inch navy blazer Laptop Briefcase	CJ8F9AA#ABA
	HP Prelude 15.6 Backpack	1E7D6UT,50P32AA
	HP Prelude 15.6 Top Load	1E7D7AA
	HP Protective 13-14 atmospheric blue Laptop Sleeve	C3TR3UT#ABA,C3TR3UT#ABB, C3TR3UT#UUF
	HP Protective 13-14 meteor silver Laptop Sleeve	C3TR2UT#ABB
	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 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
Docking	HP Thunderbolt™ 100W G6 Dock	9X472AA#AB0,9X472AA#AB1, 9X472AA#AB2,9X472AA#ABA, 9X472AA#ABB,9X472AA#ABG, 9X472AA#ABJ,9X472AA#ABM, 9X472AA#ABT,9X472AA#ABU, 9X472AA#ABY,9X472AA#ABZ, 9X472AA#AC4,9X472AA#AC8, 9X472AA#ACJ,9X472AA#ACQ, 9X472AA#UUF,9X472AA#UUZ, 9X472UT#AB0,9X472UT#AB1, 9X472UT#AB2,9X472UT#ABA, 9X472UT#ABB,9X472UT#ABG, 9X472UT#ABJ,9X472UT#ABM, 9X472UT#ABT,9X472UT#ABU,9X472UT#ABY,9X472UT#ABZ,9X472UT#AC4,9X472UT#AC8,9X472UT#ACJ,9X472UT#ACQ,9X472UT#AR6,9X472UT#UUF,9X472UT#UUZ
	HP USB-C™ 100W G6 Dock	9X3V1UT#AB0,9X3V1UT#AB1, 9X3V1UT#AB2,9X3V1UT#ABA, 9X3V1UT#ABB,9X3V1UT#ABG, 9X3V1UT#ABJ,9X3V1UT#ABM, 9X3V1UT#ABT,9X3V1UT#ABU,

		9X3V1UT#ABY,9X3V1UT#ABZ, 9X3V1UT#AC4,9X3V1UT#AC8, 9X3V1UT#ACJ,9X3V1UT#ACQ, 9X3V1UT#AR6,9X3V1UT#UUF,9 X3V1UT#UUZ
Hub	HP Portable USB-C 4K HDMI Hub	BR1U0UT
	HP Portable USB-C Hub	B8SU8UT
	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#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#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 175K Wired Keyboard	D54CRAA#A2M,D54CRAA#A2 Q,D54CRAA#AB0,D54CRAA#A B1,D54CRAA#AB2,D54CRAA# AB4,D54CRAA#AB6,D54CRAA #AB7,D54CRAA#AB8,D54CRA A#AB9,D54CRAA#ABA,D54CR AA#ABB,D54CRAA#ABC,D54C RAA#ABD,D54CRAA#ABE,D54

	CRAA#ABF,D54CRAA#ABJ,D54CRAA#ABM,D54CRAA#ABT,D54CRAA#ABU,D54CRAA#ABV,D54CRAA#ABZ,D54CRAA#AC0,D54CRAA#AC3,D54CRAA#AC4,D54CRAA#ACB,D54CRAA#AKC,D54CRAA#AKE,D54CRAA#AKL,D54CRAA#AKS,D54CRAA#AR4,D54CRAA#ARK,D54CRAA#B15,D54CRAA#BCM,D54CRAA#BED,D54CRAA#UUF,D54CRAA#UUW,D54CRAA#UUZ
HP 275K Wireless Keyboard	D4YK9AA#A2M,D4YK9AA#A2Q,D4YK9AA#AB0,D4YK9AA#AB1,D4YK9AA#AB2,D4YK9AA#AB4,D4YK9AA#AB6,D4YK9AA#AB7,D4YK9AA#AB8,D4YK9AA#AB9,D4YK9AA#ABA,D4YK9AA#ABB,D4YK9AA#ABC,D4YK9AA#ABD,D4YK9AA#ABE,D4YK9AA#ABF,D4YK9AA#ABJ,D4YK9AA#ABM,D4YK9AA#ABT,D4YK9AA#ABU,D4YK9AA#ABV,D4YK9AA#ABZ,D4YK9AA#AC0,D4YK9AA#AC3,D4YK9AA#AC4,D4YK9AA#ACB,D4YK9AA#AKC,D4YK9AA#AKE,D4YK9AA#AKL,D4YK9AA#AKS,D4YK9AA#AR4,D4YK9AA#ARK,D4YK9AA#B15,D4YK9AA#BCM,D4YK9AA#BED,D4YK9AA#UUF,D4YK9AA#UUW,D4YK9AA#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 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 Multi-Device Dual-Mode Keyboard 495KHP 495K Multi-Device Keyboard	BD5F5UT#A2M,BD5F5UT#A2Q,BD5F5UT#AB6,BD5F5UT#AB7,BD5F5UT#AB8,BD5F5UT#AB9,BD5F5UT#ABB,BD5F5UT#ABD,BD5F5UT#ABE,BD5F5UT#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 Multi-Device Dual-Mode Keyboard with Palm Rest 585K	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,

	HP 685 Comfort Dual-Mode Keyboard	BD5F7AA#UUZ
	HP 725 Multi-Device Rechargeable Wireless 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,8T6L9UT#AKC,8T6L9UT#AKE,8T6L9UT#AKS,8T6L9UT#AR4,8T6L9UT#ARK,8T6L9UT#B15,8T6L9UT#BCM,8T6L9UT#BED,8T6L9UT#UUF,8T6L9UT#UUW,8T6L9UT#UUZ
	HP 225 Wired Mouse and Keyboard Combo Cashmere White	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
Keyboard & Mouse Combo		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,AW5S6AA#BCM,AW5S6AA#BED,AW5S6AA#UUW,AW5S6AA#UUZ
HP 235 Wireless Mouse and Keyboard Combo	1Y4D0UT#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 175C Wired Mouse and Keyboard Combo	D54DLAA#A2M,D54DLAA#A2Q,D54DLAA#AB0,D54DLAA#AB1,D54DLAA#AB2,D54DLAA#AB4,D54DLAA#AB6,D54DLAA#AB7,

	D54DLAA#AB8,D54DLAA#AB9, D54DLAA#ABA,D54DLAA#ABB, D54DLAA#ABC,D54DLAA#ABD, D54DLAA#ABE,D54DLAA#ABF, D54DLAA#ABJ,D54DLAA#ABM, D54DLAA#ABT,D54DLAA#ABU, D54DLAA#ABV,D54DLAA#ABZ, D54DLAA#AC0,D54DLAA#AC3, D54DLAA#AC4,D54DLAA#ACB, D54DLAA#AKC,D54DLAA#AKE, D54DLAA#AKL,D54DLAA#AKS, D54DLAA#AR4,D54DLAA#ARK, D54DLAA#B15,D54DLAA#BCM, D54DLAA#BED,D54DLAA#UUF, D54DLAA#UUW,D54DLAA#UUZ
HP 275C Mouse and Keyboard Combo	D4YK6AA#A2M,D4YK6AA#A2Q, D4YK6AA#AB0,D4YK6AA#AB1, D4YK6AA#AB2,D4YK6AA#AB4, D4YK6AA#AB6,D4YK6AA#AB7, D4YK6AA#AB8,D4YK6AA#AB9, D4YK6AA#ABA,D4YK6AA#ABB, D4YK6AA#ABC,D4YK6AA#ABD, D4YK6AA#ABE,D4YK6AA#ABF, D4YK6AA#ABJ,D4YK6AA#ABM, D4YK6AA#ABT,D4YK6AA#ABU, D4YK6AA#ABV,D4YK6AA#ABZ, D4YK6AA#AC0,D4YK6AA#AC3, D4YK6AA#AC4,D4YK6AA#ACB, D4YK6AA#AKC,D4YK6AA#AKE, D4YK6AA#AKL,D4YK6AA#AKS, D4YK6AA#AR4,D4YK6AA#ARK, D4YK6AA#B15,D4YK6AA#BCM, D4YK6AA#BED,D4YK6AA#UUF, D4YK6AA#UUW,D4YK6AA#UUZ
HP 685 Comfort Dual-Mode Keyboard and Mouse Combo	8T6L7UT#A2M,8T6L7UT#A2Q,8 T6L7UT#AB6,8T6L7UT#AB7,8T 6L7UT#AB8,8T6L7UT#AB9,8T6 L7UT#ABA,8T6L7UT#ABB,8T6L

	7UT#ABD,8T6L7UT#ABE,8T6L7UT#ABF,8T6L7UT#ABT,8T6L7UT#ABU,8T6L7UT#ABV,8T6L7UT#ABZ,8T6L7UT#AC0,8T6L7UT#AC3,8T6L7UT#ACB,8T6L7UT#AKC,8T6L7UT#AKE,8T6L7UT#AKS,8T6L7UT#AR4,8T6L7UT#ARK,8T6L7UT#B15,8T6L7UT#BCM,8T6L7UT#BED,8T6L7UT#BH5,8T6L7UT#UUF,8T6L7UT#UUW,8T6L7UT#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#ARK,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,BE1

	M6AA#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#B15,9S

		R36UT#BCM,9SR36UT#BED,9SR36UT#UUF,9SR36UT#UUW,9SR36UT#UUZ
Mouse	HP 105 Black Wired Mouse	822M9UT#ABA,822M9UT#ABB,822M9UT#UUF
	HP 105 Sanitizable Mouse Pad	8X595AA
	HP 125 Wired Mouse	265A9UT
	HP 128 Laser Wired Mouse	265D9AA
	HP 175M Wired Mouse	D54CFAA#ABA,D54CFAA#ABB,D54CFAA#UUF
	HP 205 Sanitizable Desk Mat	8X597AA
	HP 245 Black Bluetooth Mouse	81S67AA#ABB
	HP 285 Silent Wireless Mouse	6G4E6AA#ABB,6G4E6AA#ABL,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 515 Ultra-Fast Rechargeable Wireless Mouse	9C2F7AA#ABA,9C2F7AA#ABB,9C2F7AA#UUF
	HP 685 Comfort Dual-Mode Mouse	8T6M0AA#ABA,8T6M0AA#ABB,8T6M0AA#UUF
Power	HP 65W Gallium Nitride USB-C LC Power Adapter	D36ZXAA#AB0,D36ZXAA#AB1,D36ZXAA#AB2,D36ZXAA#ABA,D36ZXAA#ABB,D36ZXAA#ABG,D36ZXAA#ABJ,D36ZXAA#ABM,D36ZXAA#ABT,D36ZXAA#ABU,D36ZXAA#ABY,D36ZXAA#ABZ,D36ZXAA#AC4,D36ZXAA#ACJ,D36ZXAA#ACQ,D36ZXAA#AKL,D36ZXAA#AR6,D36ZXAA#UUF,D36ZXAA#UUZ

CHANGELOG

Date of change	Version History		Description of change
September 25, 2026	V1 to V2	Updated	Callouts
September 30, 2026	V2 to V3	Updated	Environmental Data
October 6, 2026	V3 to V4	Updated	Digital Pen

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