### HP EliteBook X Flip G1i 14 inch Notebook Next Gen AI PC



Also available in Atmospheric Blue



### **Front**

- 1 Internal Microphone (2)
- 2 IR Camera
- 3 Webcam

- 4 Camera Shutter
- 5 Touchpad





	S	ides	
1	1 x HDMI 2.1	6	1 x Nano SIM card slot (optional)
2	1 x Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1)	7	Power Indicator LED
3	1 x Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1)	8	1 x USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4)
4	Power Indicator LED	9	1 x USB Type-A 5Gbps signaling rate (Powered
5	1 x Headphone/mic combo jack	10	1 x Security lock slot



### **PRODUCT NAME**

HP EliteBook X Flip G1i 14 inch Notebook Next Gen AI PC

### **OPERATING SYSTEM**

**FreeDOS** 

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

Windows 11 Pro 1

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

Windows 11 Pro Windows 11 Enterprise (Available with a Volume Licensing Agreement)<sup>1</sup>

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 <a href="http://www.windows.com">http://www.windows.com</a>.

#### **PROCESSORS**

Processor 2,3,4	Cores	Number of P-cores	Number of E-cores	Number of LP E-cores	Threads
Intel® Core™ Ultra7 processor 268V	8 cores	4	N/A	4	8
Intel® Core™ Ultra7 processor 266V	8 cores	4	N/A	4	8
Intel® Core™ Ultra7 processor 258V	8 cores	4	N/A	4	8
Intel® Core™ Ultra7 processor 256V	8 cores	4	N/A	4	8
Intel® Core™ Ultra5 processor 238V	8 cores	4	N/A	4	8
Intel® Core™ Ultra5 processor 236V	8 cores	4	N/A	4	8
Intel® Core™ Ultra5 processor 228V	8 cores	4	N/A	4	8
Intel® Core™ Ultra5 processor 226V	8 cores	4	N/A	4	8

Processor <sup>2,3,4</sup>	Smart	Max Turb	Frequency	Intel SIPP/vPro®	Integrated Graphics	NPU
PIOCESSOI ***	Cache	P-cores	LPE-cores	Enterprise	integrated draphics	NPU
Intel® Core™ Ultra7 processor 268V	12 MB	5.00 GHz	3.70 GHz	X	Intel® Arc™ 140V	48 TOPS
Intel® Core™ Ultra7 processor 266V	12 MB	5.00 GHz	3.70 GHz	Х	Intel® Arc™ 140V	48 TOPS
Intel® Core™ Ultra7 processor 258V	12 MB	4.80 GHz	3.70 GHz		Intel® Arc™ 140V	47 TOPS
Intel® Core™ Ultra7 processor 256V	12 MB	4.80 GHz	3.70 GHz		Intel® Arc™ 140V	47 TOPS
Intel® Core™ Ultra5 processor 238V	8 MB	4.70 GHz	3.50 GHz	Х	Intel® Arc™ 130V	40 TOPS
Intel® Core™ Ultra5 processor 236V	8 MB	4.70 GHz	3.50 GHz	Х	Intel® Arc™ 130V	40 TOPS
Intel® Core™ Ultra5 processor 228V	8 MB	4.50 GHz	3.50 GHz		Intel® Arc™ 130V	40 TOPS
Intel® Core™ Ultra5 processor 226V	8 MB	4.50 GHz	3.50 GHz		Intel® Arc™ 130V	40 TOPS

### **Processor Family**

Intel® Core™ Ultra7 processor Intel® Core™ Ultra5 processor



### HP EliteBook X Flip G1i 14 inch Notebook Next Gen AI PC

- 2. Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.
- 3. Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.
- 4. Max Boost clock frequency performance varies depending on hardware, software and overall system configuration.
- 5. In accordance with Microsoft's support policy, HP does not support the Windows 8 or Windows 7 operating system on products configured with Intel and AMD 7th generation and forward processors or provide any Windows 8 or Windows 7 drivers on http://www.support.hp.com.
- 6. Features and software that require a NPU may require software purchase, subscription or enablement by a software or platform provider, and third party software may have specific configuration or compatibility requirements. Performance varies by use, configuration, and other factors.



## QuickSpecs

### **GRAPHICS**

### Integrated

Intel® ARC™ Graphics 7

### **Supported Protocols**

Support DX12, HDMI 2.1 (4K/60Hz only), HDCP 2.3

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

Up to 3

7. Intel® Arc™ graphics only available on select Intel® Core™ Ultra V-series processor-powered systems with at least 16GB of system memory in dual channel configuration.



### QuickSpecs

### **DISPLAY**

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

#### **Touch**

35.6 cm (14") diagonal, WUXGA (1920 x 1200), LCD, UWVA, Touch, BrightView, WLED, 800 nits, sRGB 100%, HP Sure View 5 8 35.6 cm (14") diagonal, WUXGA (1920 x 1200), LCD, UWVA, Touch, Anti-Glare, WLED, 800 nits, sRGB 100%, HP Sure View 5 8 35.6 cm (14") diagonal, 2.5K (2560 x 1600), LCD, UWVA, Touch, 120Hz (VRR), Anti-Glare, WLED + Low Blue Light, 400 nits, DCI-P3 100% + Adobe 100%

35.6 cm (14") diagonal, WUXGA (1920 x 1200), LCD, UWVA, Touch, Anti-Glare, WLED, 400 nits, Low power, sRGB 100% 35.6 cm (14") diagonal, WUXGA (1920 x 1200), LCD, UWVA, Touch, BrightView , WLED, 400 nits, Low power, sRGB 100%

#### **Display Size (Diagonal)**

35.6 cm (14.0")

#### **Screen to Body Ratio**

88.20%

#### **Aspect Ratio**

16:10

### Max Hinge Open Angle

360°

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



### HP EliteBook X Flip G1i 14 inch Notebook Next Gen AI PC

### **DOCKING (SOLD SEPARATELY)**

Docking station model #1

Total number of supported displays (incl. the

notebook display)

Max. resolutions supported

Dock Connectors

HP Quick Connect Support

**Technical limitations** 

HP Thunderbolt 4 100W G6 Dock

4

(4) 4K @60Hz\*

(2) 4K @ 120Hz\*

(3) QHD @ 120Hz\*

(1) QHD @ 360Hz\*

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

Yes

HP Quick Connect is supported on this platform.

\*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.

### Maximum of (4) displays with maximum resolution of 5K@ 30Hz running

Thunderbolt Hosts:

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

### The highest resolution for dual displays running a non-Thunderbolt host in multifunction mode is

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

Docking station model #2

Total number of supported displays (incl.the

notebook) display)

Max.resolutions supported

Dock Connectors Technical limitations **HP Thunderbolt Dock G4** 

4

Quad 4K @60Hz

Dual 8K single cable@30 for Thunderbolt hosts or USB-C hosts DisplayPort 1.4 with

Display Stream Compression in High-Resolution Mode

2x HDMI 2.0, 2x DisplayPort 1.4, 1x Thunderbolt 4, 1x USB-C 3.2 Gen 2 DisplayPort Maximum resolution and display support is dependent on the maximum capability of

the notebook.

Thunderbolt Hosts:

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

Thunderbolt host.

Maximum resolution possible is dual 8K displays @ 60Hz running Thunderbolt host



### HP EliteBook X Flip G1i 14 inch Notebook Next Gen AI PC

or running a non-Thunderbolt host in high resolution mode @30Hz  $\,$ 

Non-Thunderbolt hosts:

The highest resolution for dual displays running a non-Thunderbolt host in multifunction mode is

(1) 5K dual cable (using both DP ports) +(1) 4K on USB-C DP port

Non-Thunderbolt hosts support (3) displays with a maximum resolution of (2) 5K single cable + (1) 4K UHD @ 60 Hz in high resolution mode. In multi-function mode the maximum resolution for (3) displays is (2) 5K single cable @ 30Hz + (1) 4K UHD @ 20U-

30Hz.

**Docking station model #3** 

Total number of supported displays (incl.the

notebook) display)

Max.resolutions supported

Dock Connectors
Technical limitations

HP USB-C Dock G5

3

Multi-Function Mode: (2) 5k @ 30Hz and (1) 4k UHD @ 30Hz on any port

High-Resolution Mode: (2) 5k @ 60Hz on DisplayPort ports and (1) 4k UHD @ 60Hz

on HDMI port

1x HDMI 2.0, 2x DisplayPort 1.4

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

the notebook.

Highest resolution with dual displays is two 8K@ 60Hz host in High Resolution mode. Three maximum displays supported are two 5K@ 30 Hz on DP ports plus one 4K

UHD@ 30 Hz on HDMI in Multi-function mode

The highest resolution for a non-Thunderbolt host in Multi-function mode is a single

5K dual cable (using both DP ports) + (1) 4K on HDMI port.



### **STORAGE AND DRIVES**

### **Primary Storage**

2 TB PCIe® Gen4x4 NVMe™ SSD Three Layer Cell <sup>9</sup>
1 TB PCIe® Gen4x4 NVMe™ SSD Three Layer Cell <sup>9</sup>
1 TB PCIe® NVMe™ SSD Value <sup>9</sup>
512 GB PCIe® Gen4x4 NVMe™ SSD Three Layer Cell <sup>9</sup>
512 GB PCIe® Gen4x4 NVMe™ Self Encrypted OPAL2 SSD Three Layer Cell <sup>9</sup>
512 GB PCIe® NVMe™ SSD Value <sup>9</sup>
256 GB PCIe® NVMe™ SSD Value <sup>9</sup>

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



# QuickSpecs

### **MEMORY**

### **Maximum Memory**

32GB LPDDR5X-8533 MT/s

### Memory

32GB LPDDR5X- 8533 MT/s 16GB LPDDR5X- 8533 MT/s

### **Memory Slots**

No memory slots. Memory on package. System runs at 8533 MT/s Supports Dual Channel Memory. The memory is non-accessible / non-upgradeable.



### **NETWORKING / COMMUNICATIONS**

Optional feature.

#### WLAN

Intel® BE201 Wi-Fi 7 Bluetooth® 5.4 vPro WW WLAN <sup>10</sup> Intel® BE201 Wi-Fi 7 Bluetooth® 5.4 non-vPro WW WLAN <sup>10</sup>

#### **WWAN**

HP R15 5G Solution <sup>11</sup> HP R15 4G LTE-Advanced Pro <sup>12</sup>

#### **LPWAN**

Qualcomm 9205 LTE-M (CAT-M1 fSVC) 13

### **NFC (optional)**

NFC Mirage WNC XRAV-1

#### Miracast

Native Miracast Support 14

- 10. Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.11BE) functionality requires compatible Windows OS, select Intel® processor, and a Wi-Fi 7 router, sold separately. Wi-Fi 7 is backwards compatible with prior 802.11 specs. Available in countries where Wi-Fi 7 is supported. The specification for 802.11BE is a draft specification and is not final. If the final specification differs from the draft specification, it may affect the ability of the device to communicate with other 802.11BE devices.
- 11. 5G module is optional. WWAN-ready configuration must be selected at purchase to add WWAN at a later date. Module designed for 5G NR NSA (non-standalone) networks as carriers deploy Evolved-Universal Terrestrial Radio Access New Radio Dual Connectivity (ENDC) with both 100Mhz of 5G NR and LTE channel bandwidth, using 256QAM 4x4 as defined by 3GPP. Module requires activation and separately purchased service contract. Check with service provider for coverage and availability in your area. Data connection, upload and download speeds will vary due to network, location, environment, network conditions, and other factors. Backwards compatible to 4G LTE and 3G HSPA technologies. 5G module planned to be available in select platforms and select countries, where carrier supported.
- 12. 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.
- 13. Cat M1 LPWAN (Mobile Narrowband) cards support select platforms with the HP Protect & Trace with Wolf Connect service, but do not support mobile broadband/Internet use.
- 14. Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.



### **AUDIO/MULTIMEDIA**

Select product only (Privacy panel SKU).

#### **Audio**

Audio by Poly Studio 4 Integrated stereo speakers Discrete Amplifiers 2 Integrated dual array microphone

### **Speaker Power**

1W / 8 ohm per speaker

#### Camera

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

#### Sensors

Accelerometer
Ambient Light Sensor
Color Sensor with Ambient Light Sensing
Fingerprint Sensor (optional)
Gyroscope
Hall Effect Sensor
Inertial Measurement Unit Sensor
Magnetometer
Thermal Sensor



### **KEYBOARDS/POINTING DEVICES/BUTTONS & FUNCTION KEYS**

### Keyboard

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

### **Pointing Device**

Clickpad

Microsoft Precision Touchpad Default Gestures Support

Multi-touch gesture support

### **Function Keys**

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

**ESC - System information** 

F1 - Display Switching

F2 - Blank or Privacy

F3 - Brightness Down

F4 - Brightness Up

F5 - Keyboard Backlight

F6 - Audio Mute

F7 - Volume Down

F8 - Volume Up

F9 - Mic Mute

F10 - Play and Pause

F11 - Programmable key

F12 - HOME

End

Insert

Delete

Power Button (with LED)

Microsoft Copilot

### **Hidden Function Keys**

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



### **SOFTWARE AND SECURITY**

#### **Application Software**

Buy Microsoft Office (Sold Separately)

**Edge Customization** 

**HP AI Companion** 

**HP Connection Optimizer** 

**HP Hotkey Support** 

**HP Mac Address Manager** 

**HP Notifications** 

**HP PC Hardware Diagnostics UEFI** 

**HP PC Hardware Diagnostics Windows** 

**HP Privacy Settings** 

HP Services Scan 15

HP Smart Support 16

HP Support Assistant 17

**HSA Fusion for Commercial** 

**HSA Telemetry for Commercial** 

myHP 18

Poly Camera Pro

Poly Lens 19

### **Manageability Features**

HP Client Catalog (download) 20

HP Client Management Script Library (download) 21

HP Cloud Recovery 22

HP Connect for Microsoft Endpoint Manager 23

HP Driver Packs (download) 24

HP Image Assistant (download) 25

HP Manageability Integration Kit (download) 26

HP Power Manager with Battery Health Manager (download) 27

#### **Security Management**

Secured-Core PC Enable 28

Windows Hello Enhanced Sign-In Security (ESS)

HP Wolf Security for Business which includes: 29

HP Sure Admin 30

HP Sure Click 31

HP Sure Recover 32

HP Sure Run 33

HP Sure Sense 34

HP Sure Start 35

HP Tamper Lock 36



### QuickSpecs

#### **Security-TPM**

Model: Nuvoton NPCT760HABYX TCG TPM 2.0

Firmware Version: 7.2.4.0 FIPS 140-2 Compliant: Yes

#### BIOS

Absolute Persistence Module <sup>37</sup>
Audio Permanent Disable
BIOS Update via Network
HP Bios Recovery
HP BIOSphere. <sup>38</sup>
HP DriveLock & Automatic DriveLock
HP Fingerprint Sensor <sup>39</sup>
HP Secure Erase <sup>40</sup>
HP Wake on WLAN

### **IPv6 Support**

Yes

#### **FirstNet Certified**

Yes

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

**UEFI version:** 2.7b

HP BIOS UEFI Specification Level version 2.9 supported with BIOS update

#### Class: 3

15. HP Services Scan is preinstalled and/or provided thru Windows Update and checks for service entitlement on each hardware device and downloads the HP Insights agent automatically. To disable this feature, please follow the instructions at <a href="http://www.hpdaas.com/requirements">http://www.hpdaas.com/requirements</a>. The HP Insights agent is a telemetry and analytics platform that provides critical data around devices and applications and is not sold as a standalone service. Select HP Workforce Solutions require an HP Insights agent for Windows, Mac, & Android, available for download at <a href="https://admin.hp.com/software">https://admin.hp.com/software</a>. For full system requirements and services that require the agent, please visit <a href="https://admin.hp.com/requirements">https://admin.hp.com/requirements</a>. The agent collects telemetry and analytics around devices and applications that integrate into the Workforce Experience platform and is not sold as a standalone service. Internet access with connection to the Workforce Experience platform is required. HP follows stringent GDPR privacy regulations, and the platform is ISO27001, ISO27701, ISO27017 and SOC2 Type2 certified for Information Security. Not available in China.

16. HP Smart Support requires the HP Insights agent to be installed. For more information about how to enable or to download HP Smart Support, please visit http://www.hp.com/smart-support. HP Services Scan is preinstalled and/or provided thru Windows Update and will check entitlement on each hardware device to determine if an HP Insights agent-enabled service has been purchased, and will download applicable software automatically. HP Insights agent is a telemetry and analytics platform that provides critical data around devices and applications and is not sold as a standalone service. HP follows stringent GDPR privacy regulations and is ISO27001, ISO27701, ISO277017



## QuickSpecs

and SOC2 Type2 certified for Information Security. Internet access is required. For full system requirements or to disable this feature, please visit https://www.hpdaas.com/requirements

- 17. HP Support Assistant is available on Windows. For more information, please visit http://www.support.hp.com/help/hp-support-assistant.
- 18. MyHP requires Windows 10 or higher OS.
- 19. Poly Lens Desktop requires a Windows OS.
- 20. HP Client Catalog not preinstalled, however available for download at https://www.hp.com/us-en/solutions/client-management-solutions.html
- 21. HP Client Management Script Library https://www.hp.com/us-en/solutions/client-management-solutions.html#tab=manageability-tools
- 22. HP Cloud Recovery is available for Z by HP, HP Elite and Pro desktops and laptops PCs with Intel® or AMD processors and requires an open, network connection. **NOTE:** You must back up important files, data, photos, videos, etc. before use to avoid loss of data. Detail please refer to: https://support.hp.com/us-en/computer.
- 23. 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.
- 24. HP Driver Packs not preinstalled, however available for download at http://www.hp.com/go/clientmanagement.
- 25. HP Image Assistant not preinstalled, however available for download at https://ftp.ext.hp.com/pub/caps-softpag/cmit/HPIA.html
- 26. HP Manageability Integration Kit not presintalled, however available for downloaded from https://www.hp.com/us-en/solutions/client-management-solutions.html#tab=manageability-tools
- 27. 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
- 28. 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.
- 29. HP Wolf Security for Business requires Windows 10 or 11 Pro or higher, includes various HP security features and is available on HP Pro, Elite, RPOS and Workstation products. See product details for included security features.
- 30. HP Sure Admin requires HP G8 or newer platforms, Windows 10 or higher, HP BIOS, HP Manageability Kit or KMS Service from http://www.hp.com/go/clientmanagement and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store.
- 31. HP Sure Click requires Windows 10 and higher. See https://bit.ly/2PrLT6A\_SureClick for complete details.
- 32. HP Sure Recover is available on select HP PCs and requires Windows 10 or 11 and an open network connection. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data. HP Sure Recover Gen6 with Embedded Reimaging is an optional feature on select HP PCs which requires Windows 10 or 11 must be configured at purchase. You must back up important files, data, photos, videos, etc. before use to avoid loss of data.
- 33. HP Sure Run is available on select HP PCs and requires Windows 10 and higher.
- 34. HP Sure Sense requires Windows 10 and higher. See product specifications for availability. On units with WWAN shipping to China, HP Sure Sense is only available via Softpaq download.
- 35. HP Sure Start is available on select HP PCs and requires Windows 10 and higher.
- 36. HP Tamper Lock must be enabled by the customer or your administrator.
- 37. 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/
- 38. HP BIOSphere features may vary depending on the platform and configuration.
- 39. HP Fingerprint Reader is an optional feature that requires Windows 10 or 11 and must be configured at purchase.



## QuickSpecs

40. HP Secure Erase implements the methods outlined in the National Institute of Standards and Technology Special Publication 800-88r "Clear" sanitation method. HP Secure Erase does not support platforms with Intel® Optane™.

#### **POWER**

Power supply availability may vary by country.

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

#### **Power Supply**

HP 100W Slim USB Type-C® AC power adapter
HP 65W Standard USB Type-C® AC power adapter
HP 65W USB Type-C® Gallium Nitride AC power adapter
HP 65W Slim USB Type-C® AC power adapter
HP 65W Standard USB Type-C® Halogen Free AC power adapter

#### **Battery**

HP Long Life 6 cell, 68Whr Polymer HP Long Life 3 cell, 56Whr Polymer

#### **Battery Recharge Time**

Supports battery HP Fast Charge: approximately 50% in 30 minutes 41

#### **Power Cord**

3-wired plug- 1.0m

### **Battery life**

Up to 24 hours 30 minutes with 68Whr battery (Intel Ultra 7 vPro, UMA graphic, brightness set to 250nits on a WUXGA 400nits LCD touch display, 16GB LPDDR5x memory, 256GB SSD) 42

Up to 19 hours 30 minutes with 56Whr battery (Intel Ultra 7 vPro, UMA graphic, brightness set to 250nits on a WUXGA 400nits LCD touch display, 16GB LPDDR5x memory, 256GB SSD) 42

41. 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.

42. MobileMark 25 battery life will vary depending on various factors including product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See <a href="http://www.bapco.com">http://www.bapco.com</a> for additional details.



## QuickSpecs

### **WEIGHT & DIMENSIONS**

### **Product Weight**

Starting at 1.40 kg (3.09 lb) with 56.00 Wh battery Weight will vary by configuration. Does not include power adapter.

### Product Dimensions (w x d x h) $^{43}$

313.9 mm (W) x 219.90 mm (D) x 10.50 mm (front)/ 14.70 mm (rear) (12.36 in (W) x 8.66 in (D) x 0.41 in (front)/ 0.58 in (rear)) Maximum height 17.45 mm (0.69 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.

43. 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.



## QuickSpecs

### **PORTS/SLOTS**

#### Left side

2 x Thunderbolt<sup>™</sup> 4 with USB Type-C<sup>®</sup> 40Gbps signaling rate (USB Power Delivery, DisplayPort<sup>™</sup> 2.1) 44

1 x HDMI 2.1

1 x Headphone/mic combo jack

### **Right side**

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

1 x USB Type-A 5Gbps signaling rate (Powered

1 x Nano SIM card slot (optional)

1 x Security lock slot

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



### **ENVIRONMENTAL DATA**

Eco-Label Certifications &	This product has received or is in		d to the following approvals
declarations	and may be labeled with one or	more of these marks:	
	<ul> <li>IT ECO declaration</li> </ul>		
	US ENERGY STAR®		
		agement Program (FEMP)	
	_	in the United States. See htt	p://www.epeat.net for
	registration status in yo	our country.	
	TCO Certified	· (CECD)	
	China Energy Conservation     China State Environment	_	~ (CEDA)
	China State Environmen     Taiwan Green Mark	ntal Protection Administratio	II (SEPA)
	Korea Eco-label		
	Japan PC Green label*		
Sustainable Impact	Product Carbon Footpri	nt	
Specifications	·		nd 30% ocean bound plastic in
	the (Speaker) <sup>1</sup>	na plastic in the (ci o i an) a	na 30% ocean boana plastic in
	At least 40% post-cons	umor rocuelod plactic <sup>2</sup>	
	4.1 .050/		
	-	ierar	
	Low Halogen <sup>4</sup> 1000    Supplementary  1		
		ed packaging is from recycled	or certified sustainable
	sources <sup>5</sup>		
	Bulk packaging availab		
System Configuration	The configuration used for the E		
	the Notebook model is based on	a "Typically Configured Note	2DOOK". !
Energy Consumption			
(in accordance with US ENERGY	447000 000	22244 - 244	
STAR® test method)	115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz
Normal Operation (Sort idle)	6.09 W	5.96 W	6.19 W
Normal Operation (Long idle)	N/A	N/A	N/A
Sleep	0.79 W	0.86 W	0.80 W
Off	0.28 W	0.32 W	0.27 W
	NOTE: Energy efficiency data listed		
	model family. HP computers marke		
	U.S. Environmental Protection Agen		
	family does not offer ENERGY STAR	· · ·	-
	for a typically configured PC featuri		ency power supply, and a
Uant Dissipation*	Microsoft Windows® operating system		100VAC FOU-
Heat Dissipation*	115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz
Normal Operation (Short idle)	21 BTU/hr	20 BTU/hr	21 BTU/hr
	N/A	N/A	N/A
Normal Operation (Long idle)			
Sleep	3 BTU/hr	3 BTU/hr	3 BTU/hr
		1 BTU/hr	1 BTU/hr



Declared Noise Emissions		Sound Power	Sound Press	
(in accordance with		(L <sub>WAd</sub> , bels)	(L <sub>pAm</sub> , decibe	els)
ISO 7779 and ISO 9296)				
Typically Configured – Idle		2.6	13.3	
Fixed Disk – Random writes		2.9	17.6	
Optical Drive – Sequential reads		N/A	N/A	
Longevity and Upgrading	Upgradeable fo	eatures and/or component e available throughout the	xtending its useful life by several s contained in the warranty period and or for up to	-
Additional Information	(RoHS  This H Equipo This p Safe D  This p level, Plastic	b) directive - 2011/65/EC. IP product is designed to coment (WEEE) Directive - 20 roduct is in compliance with Drinking Water and Toxic Erroduct is in compliance with see www.epeat.net cs parts weighing over 25 of 469 and ISO1043.	h California Proposition 65 (State	nd Electronic e of California; d at the Gold rked per
Packaging Materials	External:	PAPER/Corrugated		255 g
		PAPER/Molded Pulp		90 g
		PAPER/Paper		24 g
	The plastic pa	· ·	at least 0.00% recycled content.	3
			als contains at least 54.5% recycl	ed content.
RoHS Compliance	HP Inc. complie extend the rest (RoHS) Directiv development o We believe the	es fully with materials regu trictions in the European U re to our products worldwid of related legislation in Euro RoHS directive and similar	llations. We were among the first nion (EU) Restriction of Hazardou de through the HP GSE. HP has co ope, as well as China, India, and V laws play an important role in pr	companies to s Substances ntributed to the lietnam.
	additional subs		of concern. We have supported th FRs, and certain phthalates—in fu electronics products.	
	requirements f extend the sco	or virtually all relevant pro	e worldwide compliance with the oducts by July 2013, and we will c nclude further restricted substan	ontinue to
	To obtain a cop	oy of the HP RoHS Complia	nce Statement, see HP RoHS posi	tion statement.
Material Usage	This product do	nes not contain any of the	following substances in excess of	regulatory limit



https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=c05998906):
<ul> <li>Asbestos</li> <li>Certain Azo Colorants</li> <li>Certain Brominated Flame Retardants – may not be used as flame retardants in plastics</li> <li>Cadmium</li> <li>Chlorinated Hydrocarbons</li> <li>Chlorinated Paraffins</li> <li>Bis(2-Ethylhexyl) phthalate (DEHP)</li> <li>Benzyl butyl phthalate (BBP)</li> <li>Dibutyl phthalate (DBP)</li> <li>Diisobutyl phthalate (DIBP)</li> <li>Formaldehyde</li> <li>Halogenated Diphenyl Methanes</li> <li>Lead carbonates and sulfates</li> <li>Lead and Lead compounds</li> <li>Mercuric Oxide Batteries</li> <li>Nickel – finishes must not be used on the external surface designed to be frequently handled or carried by the user.</li> <li>Ozone Depleting Substances</li> <li>Polybrominated Biphenyls (PBBs)</li> <li>Polybrominated Biphenyl Ethers (PBBEs)</li> <li>Polybrominated Biphenyl Oxides (PBBOs)</li> <li>Polychlorinated Biphenyl (PCB)</li> <li>Polychlorinated Terphenyls (PCT)</li> <li>Polyvinyl Chloride (PVC) – except for wires and cables, and certain retail packaging has been voluntarily removed from most applications.</li> <li>Radioactive Substances</li> <li>Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)</li> </ul>
<ul> <li>HP follows these guidelines to decrease the environmental impact of product packaging:</li> <li>Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials.</li> <li>Eliminate the use of ozone-depleting substances (ODS) in packaging materials.</li> <li>Design packaging materials for ease of disassembly.</li> <li>Maximize the use of post-consumer recycled content materials in packaging materials.</li> <li>Use readily recyclable packaging materials such as paper and corrugated materials.</li> <li>Reduce size and weight of packages to improve transportation fuel efficiency.</li> <li>Plastic packaging materials are marked according to ISO 11469 and DIN 6120</li> </ul>



### HP EliteBook X Flip G1i 14 inch Notebook Next Gen AI PC

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:  • Sustainable Impact Report  • https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=c06040 843  • Eco-label certifications  • https://www.hp.com/us-en/sustainable-impact/document-reports.html#filters_documents_reports-=document_type-type_energy_star,type_epeat,type_tcolS0  • ISO 14001 certificates  • https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=c04777 932
footnotes	<ol> <li>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.</li> <li>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.</li> <li>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.</li> <li>External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.</li> <li>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 &gt;90% recycled plastic.</li> </ol>



## QuickSpecs

### **SERVICE AND SUPPORT**

1-year warranty and 90 day software limited warranty options depending on country. Batteries have a default one year limited warranty. On-site service and extended coverage is also available. HP Care Pack Services are optional extended service contracts that go beyond the standard limited warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at: http://www.hp.com/go/cpc 45

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



### **SYSTEM UNIT**

Stand-Alone Power Requirements (AC Power)

Nominal Operating Voltage 20.0V Max Operating Power UMA 65W

Discrete W

Temperature

Operating: 0° to 35° C (32° to 95° F) System performance may be reduced above 32°C

(89.6°F)

Non-operating: -20° to 60° C ( -4° to 140° F) System performance may be reduced

above 32°C (89.6°F)

**Relative Humidity** 

Operating 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 Operating: 1.043 grms

Non-operating Non-operating: 12192.000 grms

Altitude (unpressurized)

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

**Planned Industry Standard Certifications** 

Regulatory Model Number HSN-I61C CSA/UL 62368-1 Yes **ENERGY STAR®** Yes 46 FCC/ICES/CISPR/VCCI Yes **CE MARKING** Yes **GS Mark** No China CCC/SRRC Yes Taiwan BSMI/NCC Yes Korea KCC/KC/KES Yes Ukraine NSoC/TEC Yes **EAEU Compliance** Yes Saudi Arabian Compliance Yes TC0 Yes

EPEAT® Gold in the United States 47

Low Blue LightYesWW RoHSYesCECPYesMedical EMC: IEC 60601-1-2:2014 EN60601-1-2:Yes

2015

MIL-STD Testing MIL-STD 810H <sup>48</sup>



### HP EliteBook X Flip G1i 14 inch Notebook Next Gen AI PC

46. Configurations that are ENERGY STAR® qualified are identified as ENERGY STAR on HP websites and on http://www.energystar.gov 47. 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.

48. MIL STD 810H testing is not intended to demonstrate fitness for U.S. Department of Defense contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.



### **DISPLAYS**

35.6 cm (14") diagonal, WUXGA (1920 x 1200), LCD, UWVA, Touch, BrightView, WLED, 800 nits, sRGB 100%, HP Sure View

Outline Dimensions (W x H) 369.690 x 209.930 (max) **Active Area** 301.590 x 188.500 (typ)

Weight 346(max) **Diagonal Size** 14

**Surface Treatment Bright View Touch Enabled** 

Yes **Contrast Ratio** 1500:1 (typ) **Refresh Rate** 60 (typ)

**Brightness** 800 (typ) **Pixel Resolution** RGB

**Pixel Resolution - Format** 1920 x 1200 (WUXGA)

Aspect Ratio 16:10:00 **Backlight WLED Color Gamut Coverage** sRGB 100% **Color Depth** 8 bit

**Viewing Angle** UWVA 89/89/89/89

**Low Blue Light** Yes

Power Consumption (W, EBL@ 1.48 (max)/1.8(max)

150nits max/ 200nits max))

35.6 cm (14") diagonal, WUXGA (1920 x 1200), LCD, UWVA, Touch, Anti-Glare, WLED, 800 nits, sRGB 100%, HP Sure View 5 <sup>1</sup>

Outline Dimensions (W x H) 369.690 x 209.930 (max) **Active Area** 301.590 x 188.500 (typ)

Weight 346(max) Diagonal Size 14

**Surface Treatment** Anti-Glare **Touch Enabled** Yes

**Contrast Ratio** 1500 : 1 (typ) **Refresh Rate** 60 (typ) **Brightness** 800 (typ) **Pixel Resolution** RGB

**Pixel Resolution - Format** 1920 x 1200 (WUXGA)

**Aspect Ratio** 16:10:00 **Backlight** WLED **Color Gamut Coverage** sRGB 100% **Color Depth** 8 bit

**Viewing Angle** UWVA 89/89/89/89

**Low Blue Light** 

Power Consumption (W, EBL@

150nits max/ 200nits max))

1.48 (max)/1.8(max)

309.690 x 209.930 (max)

35.6 cm (14") diagonal, 2.5K (2560 x 1600), LCD, UWVA, Touch, 120Hz (VRR), AntiOutline Dimensions (W x H)

**Active Area** 301.594 x 188.496 (typ)

Weight 289.16 (max)



Glare, WLED + Low Blue Light, 400 nits, DCI-P3 100% + Adobe 100% Diagonal Size14Surface TreatmentAnti-GlareTouch EnabledYes

 Contrast Ratio
 2000:1 (typ)

 Refresh Rate
 120 (typ)

 Brightness
 400 (typ)

 Pixel Resolution
 RGB

Pixel Resolution - Format 2560 x 1600 (2.5K)

Aspect Ratio 16:10:00 Backlight WLED

**Color Gamut Coverage** Adobe RGB 100% + DCI-P3 100%

Color Depth 8

Viewing Angle UWVA 89/89/89

**Low Blue Light** Yes

Power Consumption (W, EBL@ 2.3 (max)/ 2.7 (max) 150nits max/ 200nits max))

35.6 cm (14") diagonal, WUXGA (1920 x 1200), LCD, UWVA, Touch, Anti-Glare, WLED, 400 nits, Low power, sRGB 100% 
 Outline Dimensions (W x H)
 309.690 x 209.930 (max)

 Active Area
 301.590 x 188.500 (tvp)

Weight 293 (max)
Diagonal Size 14

Surface Treatment Anti-Glare
Touch Enabled Yes

Contrast Ratio1000:1(typ)Refresh Rate60 (typ)Brightness400 (typ)Pixel ResolutionRGB

Pixel Resolution - Format 1920 x 1200 (WUXGA)

Aspect Ratio16:10:00BacklightWLEDColor Gamut Coverage\$RGB 100%

Color Depth 8

Viewing Angle UWVA 89/89/89

**Low Blue Light** Yes

Power Consumption (W, EBL@ 1.29 (max) / 1.66 (max)

150nits max/ 200nits max))

35.6 cm (14") diagonal, WUXGA (1920 x 1200), LCD, UWVA, Touch, BrightView, WLED, 400 nits, Low power, sRGB 100%

 Outline Dimensions (W x H)
 309.690 x 210.130 (max)

 Active Area
 301.590 x 188.500 (typ)

Weight 289 (max)

Diagonal Size14Surface TreatmentBright View

**Touch Enabled** Yes

**Contrast Ratio** 1000:1(typ)



### HP EliteBook X Flip G1i 14 inch Notebook Next Gen AI PC

Refresh Rate60 (typ)Brightness400 (typ)Pixel ResolutionRGB

**Pixel Resolution - Format** 1920 x 1200 (WUXGA)

Aspect Ratio 16:10:00
Backlight WLED
Color Gamut Coverage SRGB 100%

Color Depth 8

Viewing Angle UWVA 89/89/89

**Low Blue Light** Yes

Power Consumption (W, EBL@ 1.29 (max) / 1.66 (max)

**150nits max/ 200nits max))** 

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



### **STORAGE**

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

2 TB PCle® Gen4x4 NVMe™ SSD

Three Layer Cell 1

Form Factor M.2 2280
Capacity 2TB
NAND Type TLC

InterfacePCIe NVMe Gen4X4Maximum Sequential Read6400 MB/s ±20%Maximum Sequential Write5000 MB/s ±20%Logical Blocks4,000,797,360FeaturesPyrite 2.0; TRIM; L1.2

1 TB PCle® Gen4x4 NVMe™ SSD

Three Layer Cell 1

Form Factor M.2 2280
Capacity 1TB
NAND Type TLC

InterfacePCIe NVMe Gen4X4Maximum Sequential Read6400 MB/s ±20%Maximum Sequential Write5000 MB/s ±20%Logical Blocks2,000,409,264FeaturesPyrite 2.0; TRIM; L1.2

1 TB PCIe® NVMe™ SSD Value 1

Form Factor M.2 2280
Capacity 1TB
NAND Type TLC

InterfacePCIe NVMe Gen4X4Maximum Sequential Read2200 MB/s ±20%Maximum Sequential Write1600 MB/s ±20%Logical Blocks2,000,409,264FeaturesPyrite 2.0; TRIM; L1.2

512 GB PCIe® Gen4x4 NVMe™ SSD Three Layer Cell ¹ Form Factor M.2 2280
Capacity 512GB
NAND Type TLC

InterfacePCIe NVMe Gen4X4Maximum Sequential Read6400 MB/s ±20%Maximum Sequential Write3500 MB/s ±20%Logical Blocks1,000,215,215FeaturesPyrite 2.0; TRIM; L1.2

512 GB PCIe® Gen4x4 NVMe™ Self Encrypted OPAL2 SSD Three Layer Cell ¹ Form Factor M.2 2280
Capacity 512GB
NAND Type TLC

InterfacePCIe NVMe Gen4X4Maximum Sequential Read6400 MB/s ±20%



Maximum Sequential Write 3500 MB/s ±20% Logical Blocks 1,000,215,215

Features TCG Opal 2.0; TRIM; L1.2

**512 GB PCIe® NVMe™ SSD Value** Form Factor M.2 2280 Capacity 512 GB

NAND Type TLC

InterfacePCIe NVMe Gen4X4Maximum Sequential Read2200 MB/s ±20%Maximum Sequential Write1000 MB/s ±20%Logical Blocks1,000,215,215

Features Pyrite 2.0; TRIM; L1.2

**256 GB PCIe® NVMe™ SSD Value** Form Factor M.2 2280 Capacity 256 GB

NAND Type TLC

InterfacePCIe NVMe Gen4X4Maximum Sequential Read2000 MB/s ±20%Maximum Sequential Write900 MB/s ±20%Logical Blocks500,118,192

**Features** Pyrite 2.0; TRIM; L1.2



<b>NETWORKING / COMMUNIC</b>	ATION	
Intel® BE201 Wi-Fi 7	<b>Wireless LAN Standards</b>	IEEE 802.11a
Bluetooth® 5.4 vPro WW WLAN		IEEE 802.11ac
1		IEEE 802.11ax
		IEEE 802.11b
		IEEE 802.11be
		IEEE 802.11d
		IEEE 802.11e
		IEEE 802.11g
		IEEE 802.11h
		IEEE 802.11i
		IEEE 802.11k
		IEEE 802.11n
		IEEE 802.11r
		IEEE 802.11v
	Interoperability	Wi-Fi certified
	Frequency Band	• 802.11b/g/n/ax
		2.402 – 2.482 GHz
		• 802.11a/n/ac/ax
		4.9 – 4.95 GHz (Japan)
		5.15 – 5.25 GHz
		5.25 – 5.35 GHz
		5.47 – 5.725 GHz
		5.825 – 5.850 GHz
		5.955 – 6.415 GHz
		6.435 – 6.515 GHz
		6.535 – 6.875 GHz
		6.895 – 7.115 GHz
	Data Rates	• 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
		• 802.11ac : MCS0 ~ MCS9, (20MHz, 40MHz, 80MHz, 160MHz)
		• 802.11ax : MCS0 ~ MCS11, (20MHz, 40MHz, 80MHz, 160MHz)
		• 802.11b: 1, 2, 5.5, 11 Mbps
		• 802.11be : 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
		1024QAM, 16-QAM, 256-QAM, 4096QAM, 64-QAM, BPSK, CCK,
	_	Direct Sequence Spread Spectrum, OFDM, QPSK
	Security	802.1x authentication
		AES-CCMP: 128 bit in hardware
		• IEEE 802.11i



mode only
• WAPI

• IEEE and WiFi certified 64 / 128 bit WEP encryption for a/b/g

<ul> <li>WPA. WPA2: 802.1x, WPA-PSK, WPA2-PSK, TKIP, and F</li> </ul>
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WPA2 certification

· WPA3 (personal) certification

#### **Network Architecture Models**

Ad-hoc (Peer to Peer)

Infrastructure (Access Point Required)

### Roaming Output Power

IEEE 802.11 compliant roaming between access points

• 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
 802.11be MCS13(EHT320)(6GHz): 4.5dBm

### **Power Consumption**

Transmit mode: 3.4 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 Receiver Sensitivity <sup>2</sup>

ACPI and PCI Express compliant power management

•802.11b, 1Mbps : -93.5dBm maximum •802.11b, 11Mbps : -85dBm maximum

802.11a/g, 6Mbps: -90.5dBm maximum
 802.11a/g, 54Mbps: -72.5dBm maximum

• 802.11n, MCS0(HT20) : -90dBm maximum

• 802.11n, MCS7(HT20) : -71.5dBm maximum

802.11n, MCS0(HT40) : -88.5dBm maximum
 802.11n, MCS7(HT40) : -68.5dBm maximum

• 802.11ac, MCS9(VHT20) : -88.5dBm maximum

802.11ac, MCS9(VHT40): -65.5dBm maximum
802.11ac, MCS9(VHT80): -60.5dBm maximum

• 802.11ac, MCS9(VHT160) : -58.5dBm maximum

• 802.11ax, MCS11(HE20)(6GHz): -59.5dBm maximum



802.11ax, MCS11(HE40)(6GHz): -56.5dBm maximum
802.11ax, MCS11(HE80)(6GHz): -53.5dBm maximum
802.11ax, MCS11(HE160)(6GHz): -51.5dBm maximum
802.11be, MCS13(EHT20)(6GHz): -55.5dBm maximum
802.11be, MCS13(EHT40)(6GHz): -53.5dBm maximum
802.11be, MCS13(EHT80)(6GHz): -51.5dBm maximum
802.11be, MCS13(EHT160)(6GHz): -48.5dBm maximum
802.11be, MCS13(EHT320)(6GHz): -45.5dBm maximum

**Antenna type** High efficiency antenna with spatial diversity

Two embedded tri-band 2.4/5/6 GHz antennas are provided to the card to support WLAN MIMO communications and Bluetooth

communications

**Form Factor** PCI-Express M.2 MiniCard with CNVi Interface **Dimensions** 30.00 x 22.00 x 2.30 mm (1.18 x 0.87 x 0.09 inch)

**Weight** 1. Type 2230: 3.1 g 2. Type 1216: 0.8 g

**Operating Voltage** 3.3 v +/- 5 %

HP Integrated Module with Bluetooth 4.0/4.1/4.2/5.0/5.1/5.2/5.3/5.4 Wireless Technology

**Bluetooth Specification** 4.0

4.1 4.2 5.0 5.1 5.2 5.3

5.4

Frequency Band 2042 to 2480 MHz

Number of Available Channels Legacy: 0~79 (1 MHz/CH)

BLE: 0~39 (2 MHz/CH)

**Data Rates and Throughput** Legacy: 3 Mbps data rate; throughput up to 2.17 Mbps BLE: 1

Mbps data rate; throughput up to 0.2 Mbps Legacy: Synchronous Connection Oriented links up to 3, 64 kbps, voice channels Legacy: Asynchronous Connection Less links 2178.1 kbps/177.1 kbps

asymmetric (3-DH5) or 864 kbps symmetric (3-EV5)

**Transmit Power** The Bluetooth component shall operate as a Class II Bluetooth

device with a maximum transmit power of + 4 dBm for BR and EDR.

Power Consumption Peak (Tx): 330 mW Peak (Rx): 230 mW

Calactica Cosporado 17 mais

Selective Suspend: 17 mW

**Bluetooth Software Supported** 

**Link Topology** 

Microsoft Windows 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



**Bluetooth Profiles Supported** 2Mbps LE

Advanced Audio Distribution Profile (A2DP)

Basic Imaging Profile (BIP) Channel Selection Algo

Encryption key size control enhancements

ESR9/10 Compliance FAX Profile (FAX)

Hands Free Profile (HFP) Headset Profile (HSP)

LE Advertisement Extensions LE Data Packet Length Extension

LE Dual Mode

LE L2CAP Connection Oriented Channels

LE Link Layer LE Link Layer Ping LE Long Range

LE Low Duty Cycle Directed Advertising

LE Privacy 1.2 – Extended Scanner Filter Policies

LE Privacy 1.2 –Link Layer Privacy LE Secure Connection- Basic/Full

Limited High Duty Cycle Non-Connectable Advertising

Train Nudging & Interlaced Scan

Intel® BE201 Wi-Fi 7 Bluetooth® 5.4 non-vPro WW WLAN <sup>1</sup> **Wireless LAN Standards** 

IEEE 802.11a
IEEE 802.11ac
IEEE 802.11ac
IEEE 802.11b
IEEE 802.11b
IEEE 802.11d
IEEE 802.11e
IEEE 802.11g
IEEE 802.11h
IEEE 802.11i
IEEE 802.11i
IEEE 802.11k
IEEE 802.11n

IEEE 802.11r IEEE 802.11v

Interoperability Frequency Band Wi-Fi certified

• 802.11b/g/n/ax
2.402 – 2.482 GHz

• 802.11a/n/ac/ax
4.9 – 4.95 GHz (Japan)
5.15 – 5.25 GHz
5.25 – 5.35 GHz

5.47 – 5.725 GHz 5.825 – 5.850 GHz 5.955 – 6.415 GHz 6.435 – 6.515 GHz 6.535 – 6.875 GHz 6.895 – 7.115 GHz

• 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

1024QAM, 16-QAM, 256-QAM, 4096QAM, 64-QAM, BPSK, CCK,

Direct Sequence Spread Spectrum, OFDM, QPSK

**Security** • 802.1x authentication

• AES-CCMP: 128 bit in hardware

• IEEE 802.11i

IEEE and WiFi certified 64 / 128 bit WEP encryption for a/b/g

mode only

WAPI

• WPA, WPA2: 802.1x. WPA-PSK, WPA2-PSK, TKIP, and AES.

WPA2 certification

• WPA3 (personal) certification

**Network Architecture Models** 

**Output Power** 

Ad-hoc (Peer to Peer)

Infrastructure (Access Point Required)

**Roaming** IEEE 802.11 compliant roaming between access points

• 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

# h

802.11be MCS13(EHT160)(6GHz): 6.5dBm
 802.11be MCS13(EHT320)(6GHz): 4.5dBm

Power Consumption Transmit mode : 3.4 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 Receiver Sensitivity <sup>2</sup> ACPI and PCI Express compliant power management

•802.11b, 1Mbps : -93.5dBm maximum •802.11b, 11Mbps : -85dBm maximum

802.11a/g, 6Mbps: -90.5dBm maximum
 802.11a/g, 54Mbps: -72.5dBm maximum

802.11n, MCS0(HT20): -90dBm maximum
 802.11n, MCS7(HT20): -71.5dBm maximum

• 802.11n, MCS0(HT40) : -88.5dBm maximum

802.11n, MCS7(HT40) : -68.5dBm maximum
 802.11ac, MCS9(VHT20) : -88.5dBm maximum

802.11ac, MCS9(VHT40): -65.5dBm maximum
 802.11ac, MCS9(VHT80): -60.5dBm maximum

• 802.11ac, MCS9(VHT160): -58.5dBm maximum

• 802.11ax, MCS11(HE20)(6GHz) : -59.5dBm maximum

802.11ax, MCS11(HE40)(6GHz): -56.5dBm maximum
 802.11ax, MCS11(HE80)(6GHz): -53.5dBm maximum

• 802.11ax, MCS11(HE160)(6GHz): -51.5dBm maximum

• 802.11be, MCS13(EHT20)(6GHz) : -55.5dBm maximum

802.11be, MCS13(EHT40)(6GHz): -53.5dBm maximum
 802.11be, MCS13(EHT80)(6GHz): -51.5dBm maximum

• 802.11be, MCS13(EHT160)(6GHz) : -48.5dBm maximum

• 802.11be, MCS13(EHT320)(6GHz): -45.5dBm maximum

Antenna type High efficiency antenna with spatial diversity

Two embedded tri-band 2.4/5/6 GHz antennas are provided to the card to support WLAN MIMO communications and Bluetooth

communications

**Form Factor** PCI-Express M.2 MiniCard with CNVi Interface **Dimensions** 30.00 x 22.00 x 2.30 mm (1.18 x 0.87 x 0.09 inch)

**Weight** 1. Type 2230: 3.1 g

2. Type 1216: 0.8 g

Operating Voltage 3.3 v +/- 5 %



#### HP Integrated Module with Bluetooth 4.0/4.1/4.2/5.0/5.1/5.2/5.3/5.4 Wireless Technology

Bluetooth Specification 4.0

4.1

4.2

5.0

5.1

5.2

5.3 5.4

Frequency Band 2042 to 2480 MHz

Number of Available Channels Legacy : 0~79 (1 MHz/CH)

BLE: 0~39 (2 MHz/CH)

**Data Rates and Throughput** Legacy: 3 Mbps data rate; throughput up to 2.17 Mbps BLE: 1

Mbps data rate; throughput up to 0.2 Mbps Legacy: Synchronous Connection Oriented links up to 3, 64 kbps, voice channels Legacy: Asynchronous Connection Less links 2178.1 kbps/177.1 kbps

asymmetric (3-DH5) or 864 kbps symmetric (3-EV5)

**Transmit Power** The Bluetooth component shall operate as a Class II Bluetooth

device with a maximum transmit power of + 4 dBm for BR and EDR.

**Power Consumption** Peak (Tx): 330 mW

Peak (Rx): 230 mW

Selective Suspend: 17 mW

**Bluetooth Software Supported** 

**Link Topology** 

**Power Management** 

Certifications

Microsoft Windows ACPI, and USB Bus Support

Microsoft Windows Bluetooth Software

FCC (47 CFR) Part 15C/E, Section 15.247, 15.249, 15.407; ETSI 300

328, ETSI 301 893, ETSI 303 687

Bluetooth Profiles Supported

Advanced Audio Distribution Profile (A2DP)

Basic Imaging Profile (BIP) Channel Selection Algo

Encryption key size control enhancements

ESR9/10 Compliance FAX Profile (FAX)

Hands Free Profile (HFP)
Headset Profile (HSP)

LE Advertisement Extensions LE Data Packet Length Extension

LE Dual Mode

2Mbps LE

LE L2CAP Connection Oriented Channels

LE Link Layer LE Link Layer Ping LE Long Range

LE Low Duty Cycle Directed Advertising



LE Privacy 1.2 –Extended Scanner Filter Policies LE Privacy 1.2 –Link Layer Privacy LE Secure Connection- Basic/Full Limited High Duty Cycle Non-Connectable Advertising Train Nudging & Interlaced Scan

1. Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.11BE) functionality requires compatible Windows OS, select Intel® processor, and a Wi-Fi 7 router, sold separately. Wi-Fi 7 is backwards compatible with prior 802.11 specs. Available in countries where Wi-Fi 7 is supported. The specification for 802.11BE is a draft specification and is not final. If the final specification differs from the draft specification, it may affect the ability of the device to communicate with other 802.11BE devices.

2. 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).

HP R15 5G Solution 3

#### Technology/Operating bands

WCDMA/HSPA+ operating bands:

Band 1: 1920 to 1980 MHz (UL), 2110 to 2170 MHz (DL) Band 2: 1850 to 1910 MHz (UL), 1930 to 1990 MHz (DL) Band 4: 1710 to 1755 MHz (UL), 2110 to 2155 MHz (DL) Band 5: 824 to 849 MHz (UL), 869 to 894 MHz (DL) Band 8: 880 to 915 MHz (UL), 925 to 960 MHz (DL)

LTE FDD/TDD operating bands:

Band 1: 1920 to 1980 MHz (UL), 2110 to 2170 MHz (DL)
Band 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 2: 1850 to 1910 MHz (UL), 1930 to 1990 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 3: 1710 to 1785 MHz (UL), 1805 to 1880 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 4: 1710 to 1755 MHz (UL), 2110 to 2155 MHz (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 5: 824 to 849 MHz (UL), 869 to 894 MHz (DL) Band 66: 1710 to 1800 MHz (UL), 2110 to 2200 MHz (DL) Band 7: 2500 to 2570 MHz (UL), 2620 to 2690 MHz (DL) Band 71: 663 to 698 MHz (UL), 617 to 652 MHz (DL) Band 8: 880 to 915 MHz (UL), 925 to 960 MHz (DL)

Wireless protocol standards 5GNR Air Interface

3GPP Rel15 5G NR sub-6

LTE Rel15

3GPP Release 8 UMTS Specification Standalone/A-GPS (MS-A, MS-B)

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), QZSS (1575.42MHz) **Maximum data rates**SA 5G/NR sub-6 Peak: 4.67 Gbps(Download), 1.25 Gbps(Upload)

Maximum output power HSPA+: 23.5 dBm ()

LTE (all bands except B41): 23.0 dBm (Not support HPUE)
NR (all band except n41, n77, n78, n79): 23.0 dBm (Not support

HPUE)

NR n41, n77, n78, n79 HPUE: 26.0 dBm (Support HPUE)

30.00 x 52.00 x 2.30 mm (1.18 x 2.05 x 0.09 inch)

**Maximum power consumption** 5G Sub 6: 3,500 mA

LTE: 2,500 mA (peak)

 Form Factor
 M.2; 3052-S3 Key B

 Weight
 8.6 g (0.303 oz)

Dimensions

(Length x Width x Thickness)

embedded eSIM

Yes

HP R15 4G LTE-Advanced Pro 4

Technology/Operating bands

WCDMA/HSPA+ operating bands:

Band 1: 1920 to 1980 MHz (UL), 2110 to 2170 MHz (DL) Band 2: 1850 to 1910 MHz (UL), 1930 to 1990 MHz (DL) Band 4: 1710 to 1755 MHz (UL), 2110 to 2155 MHz (DL) Band 5: 824 to 849 MHz (UL), 869 to 894 MHz (DL) Band 8: 880 to 915 MHz (UL), 925 to 960 MHz (DL)

LTE FDD/TDD operating bands:

Band 1: 1920 to 1980 MHz (UL), 2110 to 2170 MHz (DL)
Band 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 2: 1850 to 1910 MHz (UL), 1930 to 1990 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 3: 1710 to 1785 MHz (UL), 1805 to 1880 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 4: 1710 to 1755 MHz (UL), 2110 to 2155 MHz (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 5: 824 to 849 MHz (UL), 869 to 894 MHz (DL) Band 66: 1710 to 1800 MHz (UL), 2110 to 2200 MHz (DL) Band 7: 2500 to 2570 MHz (UL), 2620 to 2690 MHz (DL) Band 71: 663 to 698 MHz (UL), 617 to 652 MHz (DL) Band 8: 880 to 915 MHz (UL), 925 to 960 MHz (DL)

Wireless protocol standards LTE Rel15

3GPP Release 8 UMTS Specification

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), QZSS (1575.42MHz)

Maximum data rates - LTE UE Category DL 19 (1.6 Gbps Download). UE Category UL 18 (211

Mbps Upload)

Maximum output power LTE (all bands except B41): 23.0 dBm (Not support HPUE)

**Maximum power consumption** LTE: 2,500 mA (peak)

 Form Factor
 M.2; 3052-S3 Key B

 Weight
 8.4 g (0.296 oz)

**Dimensions** 30.00 x 52.00 x 2.30 mm (1.18 x 2.05 x 0.09 inch)

(Length x Width x Thickness)

embedded eSIM Yes

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



4. 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.

**NFC Mirage WNC XRAV-1** Dimensions (L x W x H) 17.00 x 10.00 x 2.00 mm (0.67 x 0.39 x 0.08 inch)

> Chipset NPC300 **System interface** I2C

**NFC RF standards** ISO/IEC 14443 A

ISO/IEC 14443 B ISO/IEC 15693 ISO/IEC 18092

ECMA-340 NFCIP-1 Target and Initiator

ECMA-320 NFCIP-2

**NFC Forum Support** Type 1, Type 2, Type 3 / Type 4, NFCIP-1 / NFCIP-2

Reader (PCD-VCD) Mode ISO/IEC 14443 A

ISO/IEC 14443 B ISO/IEC 15693 MIFARE 1K MIFARE 4K MIFARE DESFire

FeliCa

Jewel and Topaz

Card Emulation (PICC-VICC) ISO/IEC 14443 A Mode

ISO/IEC 14443 B and B'

**MIFARE** FeliCa

Frequency 13.56 MHz

**NFC Modes Supported** Reader/Writer, Peer-to-Peer

**Raw RF Data Rates** 106 kbps, 212 kbps, 424 kbps, 848 kbps **Operating temperature** Operating: 0 °C to 70 °C (32 °F to 158 °F)

Storage: -20 °C to 125 °C (-4 °F to 257 °F) Operating: 10% - 90% (non-condensing)

Storage temperature Non-Operating: 5% - 95% (non-condensing)

Operating: 10% - 90% (non-condensing)

Non-Operating: 5% - 95% (non-condensing) **Supply Operating voltage** 4.35 to 5.25 Volts

I/O Voltage 1.8V or 3.3V

**Power Consumption** 

(Booster enable, VBAT= 3.3V, VCC\_BOOST = 5V)

Mode Power Consumption, Typical

**Polling** 7.3 mA

Humidity

**Detected Test Tag Type 1** Total 283.8 mA

Net Module 236.8 mA



**Detected Test Tag Type 2** Total 288.8 mA

Net Module 241.8 mA

**Detected Test Tag Type 3** Total 287.7 mA

Net Module 240.7 mA

**Detected Test Tag Type 4** Total 282.3 mA

Net Module 235.3 mA

**Antenna** Antenna connector, 0.5mm pitch, 7 connector FPC. Antenna

matching is external to module.

Qualcomm 9205 LTE-M (CAT-M1 fSVC) 5

Technology/Operating bands-

**FDD LTE** 

Band 1: 2100 Band 2: 1900

Band 3: 1800 Band 4: 1700/2100 Band 5: 850

Band 8: 900 Band 12 lower: 700 Band 13 upper: 700 Band 14 upper: 700 Band 18 lower: 850

Band 19 upper: 850 Band 20: 800 Band 25: 1900 Band 26: 850 Band 27: 800 Band 28: 700

Band 66: 1700/2100

Band 85: 700

Technology/Operating bands-

**GSM/GPRS/EGPRS:** 

850 900 1800

1900

Wireless protocol standards

3GPP TS 21.111 V10.0.0: USIM and IC card requirements

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)

3GPP TS 27.007 V10.0.8: AT command set for User Equipment (UE)

3GPP TS 31.102 V10.11.0: Characteristics of the Universal

Subscriber Identity Module (USIM) application

3GPP TS 31.11 V10.16.0: Universal Subscriber Identity Module

(USIM) Application Toolkit (USAT)

3GPP TS 36.124 V10.3.0: Electro Magnetic Compatibility (EMC) requirements for mobile terminals and ancillary equipment 3GPP TS 36.521-1 V14.3.0: User Equipment (UE) conformance specification; Radio transmission and reception; Part 1:



#### HP EliteBook X Flip G1i 14 inch Notebook Next Gen AI PC

Conformance testing

3GPP TS 51.010-1 10.5.0: Mobile Station (MS) conformance specification; 1551.mas. fictification of the Subscriber Identity

Module - Mobile Equipment (SIM-ME) interface

GPS Standalone GPS/Beidou/GLONASS

A-GPS (XTRA)

**GPS bands** 1575.42 MHz ± 1.023 MHz

GLONASS 1596-1607MHz

Beidou 1561.098 MHz

Maximum data rates

LTD FDD: 375 Kbps (download); 1119.00 Kbps (upload)

GPRS: 107.00 Kbps (download); 85.60 Kbps (upload)

EGPRS: 296.00 Kbps (download); 236.80 Kbps (upload)

Maximum output power LTE (all bands except B41): 21.5 dBm

GSM: 34.0 dBm

**Maximum power consumption** LTE: 151 mA (peak); 16 mA (average)

Form Factor M.

**Dimensions (L x W x Thickness)** 22.00 x 42.00 x 2.30mm (0.87 x 1.65 x 0.09 inch)

**Weight** 4.0q (0.141 oz)

**Embedded eSIM** Yes

5. Cat M1 LPWAN (Mobile Narrowband) cards support select platforms with the HP Protect & Trace with Wolf Connect service, but do not support mobile broadband/Internet use.



#### **POWER**

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

 Weight
 380g ± 10g

 Input
 100-240Vac

**Input Efficiency**81.50% min at 115 Vac/ 230 Vac @5.00V
86.70% min at 115 Vac/ 230 Vac @9.00V
88.00% min at 115 Vac/ 230 Vac @12.00V

89.00% min at 115 Vac/ 230 Vac @12.00V 89.00% min at 115 Vac/ 230 Vac @15.00V 89.00% min at 115 Vac/ 230 Vac @20.00V

**Input frequency range** 47-63Hz

Input AC current Max. 1.6 A at 90 Vac

Output

Output power 5V/15W

9V/27W 12V/60W 15V/75W 20V/100W

DC output 5V/9V/12V/15V/20V

Hold-up time 100% load 5ms at 115 Vac input/80% load 10ms at 115 Vac input Output Over Current Protection 5V/9V/12V/15V<125% max current, 20V<135% max current

AC Inlet Type C6

DC Cable Connector USB type C
DC Cable Material PVC
Connector C6

**Environmental Design** 

Operating temperature 0° to 35° C (32° to 95° F) Non-operating (storage) -20° to 85° C (-4° to 185° F)

temperature

Altitude 0 to 5,000 m (0 to 16,400 ft)

Humidity 20% to 95% Storage Humidity 10% to 95%

EMI and Safety Certifications CE Mark - full compliance with LVD and EMC directives

Worldwide safety standards - IEC60950-1, IEC 62368-1:2014 and

IEC62368-1: 2018, EN62368-1:2020+A11, UL 62368-1

Agency approvals - C-UL-US, TUV/GS, TUV/PSE, EN55032 Class B, FCC Class B, CISPR32 Class B, CCC, CU(EAC), KCC(Safety+EMC), NOM-001 NYCE, NRcan, NRCS, ISC, SEC, PSB, Argentina S-mark, Australia RCM, BIS, BSMI, UAE, UKCA DoC, Ukraine(CoC+DoC+RoHS+ECO)

HP 65W Standard USB Type-C®

AC power adapter

 Weight
 240g ± 10g

 Input
 100-240Vac

Input Efficiency 81.50% min at 115 Vac/ 230 Vac @5.00V

86.70% min at 115 Vac/ 230 Vac @9.00V 88.00% min at 115 Vac/ 230 Vac @12.00V 89.00% min at 115 Vac/ 230 Vac @15.00V



89.00% min at 115 Vac/ 230 Vac @20.00V

Input frequency range 47-63Hz

**Input AC current** Max. 1.6 A at 90 Vac

**Output** 

5V/15W Output power

> 9V/27W 12V/60W 15V/65W 20V/65W

DC output 5V/9V/12V/15V/20V

Hold-up time 100% load 5ms at 115 Vac input

**Output Over Current Protection** < 8.0A **AC Inlet Type C6** 

DC Cable Connector USB type C **PVC** DC Cable Material **Connector C6** 

**Environmental Design** 

Operating temperature 0° to 35° C (32° to 95° F) Non-operating (storage) -20° to 85° C (-4° to 185° F)

temperature

Altitude 0 to 5,000 m (0 to 16,400 ft)

Humidity 20% to 95% Storage Humidity 10% to 95%

**EMI and Safety Certifications** CE Mark - full compliance with LVD and EMC directives

Worldwide safety standards - IEC60950-1 and IEC62368-1: 2018,

EN62368-1:2014+A11, UL 62368-1

Agency approvals - C-UL-US, TUV/GS, TUV/PSE, EN55032 Class B, FCC Class B, CISPR32 Class B, CCC and CECP, CU(EAC), EAEU, KCC(Safety+EMC) and K-MEPS, NOM-001 and 029 NYCE, NRcan, NRCS, ISC, SEC, PSB, Argentina S-mark, Australia RCM, BIS, BSMI,

UAE, UKCA DoC

HP 65W USB Type-C® Gallium Nitride AC power adapter

105q(+/-10q) (Not including power cord. Power cord varies by Weight

country.)

Input 100-240Vac

**Input Efficiency** 81.50% min at 115 Vac/ 230 Vac @5.00V

> 86.70% min at 115 Vac/ 230 Vac @9.00V 89.00% min at 115 Vac/ 230 Vac @15.00V 89.00% min at 115 Vac/ 230 Vac @20.00V

Input frequency range 47-63Hz

**Input AC current** Max. 1.6 A at 90 Vac

Output

Output power 5V/15W

9V/27W



15V/65W 20V/65W

DC output 5V/9V/15V/20V

Hold-up time 100% load 5ms at 115 Vac input

Output Over Current Protection 115%-125%

AC Inlet Type C6

DC Cable Connector USB type C
DC Cable Material PVC
Connector C6

**Environmental Design** 

Operating temperature 0° to 35° C (32° to 95° F) Non-operating (storage) -20° to 85° C (-4° to 185° F)

temperature

Altitude 0 to 5,000 m (0 to 16,400 ft)

Humidity 20% to 95% Storage Humidity 10% to 95%

EMI and Safety Certifications CE Mark - full compliance with LVD and EMC directives

 $Worldwide\ safety\ standards\ -\ IEC60950-1\ and\ IEC62368-1\ :\ 2018,$ 

EN62368-1:2014+A11, UL 62368-1

Agency approvals - C-UL-US, TUV/GS, TUV/PSE, EN55032 Class B, FCC Class B, CISPR32 Class B, CCC and CECP, CU(EAC), EAEU, KCC(Safety+EMC) and K-MEPS, NOM-001 and 029 NYCE, NRcan, NRCS, ISC, SEC, PSB, Argentina S-mark, Australia RCM, BIS, BSMI,

UAE, UKCA DoC

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

 Weight
 220g ± 10g

 Input
 100-240Vac

**Input Efficiency** 81.50% min at 115 Vac/ 230 Vac @5.00V

86.70% min at 115 Vac/ 230 Vac @9.00V 88.00% min at 115 Vac/ 230 Vac @12.00V 89.00% min at 115 Vac/ 230 Vac @15.00V 89.00% min at 115 Vac/ 230 Vac @20.00V

Input frequency range 47-63Hz

**Input AC current** Max. 1.6 A at 90 Vac

Output

Output power 5V/15W

9V/27W 12V/60W 15V/65W 20V/65W

DC output 5V/9V/12V/15V/20V

Hold-up time 100% load 5ms at 115 Vac input

Output Over Current Protection < 8.0A AC Inlet Type C6



DC Cable Connector USB type C
DC Cable Material PVC
Connector C6

**Environmental Design** 

Operating temperature 0° to 35° C (32° to 95° F) Non-operating (storage) -20° to 85° C (-4° to 185° F)

temperature

Altitude 0 to 5,000 m (0 to 16,400 ft)

Humidity 20% to 95% Storage Humidity 10% to 95%

EMI and Safety Certifications CE Mark - full compliance with LVD and EMC directives

Worldwide safety standards - IEC60950-1 and IEC62368-1: 2018,

EN62368-1:2014+A11, UL 62368-1

Agency approvals - C-UL-US, TUV/GS, TUV/PSE, EN55032 Class B, FCC Class B, CISPR32 Class B, CCC and CECP, CU(EAC), EAEU, KCC(Safety+EMC) and K-MEPS, NOM-001 and 029 NYCE, NRcan, NRCS, ISC, SEC, PSB, Argentina S-mark, Australia RCM, BIS, BSMI,

UAE, UKCA DoC

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

 Weight
 240g ± 10g

 Input
 100-240Vac

**Input Efficiency** 81.50% min at 115 Vac/ 230 Vac @5.00V

86.70% min at 115 Vac/ 230 Vac @9.00V 88.00% min at 115 Vac/ 230 Vac @12.00V 89.00% min at 115 Vac/ 230 Vac @15.00V 89.00% min at 115 Vac/ 230 Vac @20.00V

**Input frequency range** 47-63Hz

**Input AC current** Max. 1.6 A at 90 Vac

Output

Output power 5V/15W

9V/27W 12V/60W 15V/65W 20V/65W

DC output 5V/9V/12V/15V/20V

Hold-up time 100% load 5ms at 115 Vac input

Output Over Current Protection < 8.0A AC Inlet Type C6

DC Cable Connector USB type C
DC Cable Material Halogen Free

**Connector** C6

**Environmental Design** 

Operating temperature 0° to 35° C (32° to 95° F) Non-operating (storage) -20° to 85° C (-4° to 185° F)



#### HP EliteBook X Flip G1i 14 inch Notebook Next Gen AI PC

temperature

Altitude 0 to 5,000 m (0 to 16,400 ft)

Humidity 20% to 95% Storage Humidity 10% to 95%

EMI and Safety Certifications CE Mark - full compliance with LVD and EMC directives

Worldwide safety standards - IEC60950-1 and IEC62368-1: 2018,

EN62368-1:2014+A11, UL 62368-1

Agency approvals - C-UL-US, TUV/GS, TUV/PSE, EN55032 Class B, FCC Class B, CISPR32 Class B, CCC and CECP, CU(EAC), EAEU, KCC(Safety+EMC) and K-MEPS, NOM-001 and 029 NYCE, NRcan, NRCS, ISC, SEC, PSB, Argentina S-mark, Australia RCM, BIS, BSMI,

UAE, UKCA DoC

HP Long Life 3 cell, 56Whr Polymer Dimensions 255.8 x 67.8 x 6.68mm (10.07 x 2.67 x 0.26 inch)

Weight 0.205kg +/- 10g(0.474 lb)

Cells/Type 3cell Lithium-Ion Polymer cell / 586075

Energy

Voltage 11.58V Amp-hour capacity 4.84Ah Watt-hour capacity 56.04Wh

**Temperature** 

Operating (Charging) 32° to 113° F (0° to 45° C) Operating (Discharging) 14° to 140° F (-10° to 60° C)

Optional Travel Battery No

**Available** 

HP Long Life 6 cell, 68Whr Polymer Dimensions 275.3 x 87.5 x 6.79mm (10.83 x 3.44 x 0.26 inch)

Weight 0.255kg +/- 10g(0.562 lb)

Cells/Type 6cell Lithium-Ion Polymer cell /594461

Energy

Voltage 11.58V Amp-hour capacity 5.88Ah Watt-hour capacity 68Wh

**Temperature** 

Operating (Charging)

O° to 45° C (32° to 113° F)

Operating (Discharging)

-10° to 60° C (14° to 140° F)

Optional Travel Battery No

Available



#### HP EliteBook X Flip G1i 14 inch Notebook Next Gen AI PC

#### **AUDIO**

**Table Values** 

Codec Realtek ALC3315

Audio I/O Ports 3.5mm Headset: CTIA only;Headphone-out

Internal Speaker Amplifier Cirrus Logic High-Efficiency Boosted Class D Amplifier

Multi-streaming Capable Playback multi-streaming can be enabled in the audio control panel to allow

independent audio streams to be sent to/from the front jacks or integrated speaker.,

Following MSFT Behavior

Sampling DAC: Supports resolutions from 16-bit to 24-bit;48.0 kHZ to 48.0 kHz

ADC: Supports resolutions from 16-bit to 24-bit;44.1 kHZ to 48.0 kHz

Internal Speaker Ye



#### HP EliteBook X Flip G1i 14 inch Notebook Next Gen AI PC

#### **FINGERPRINT READER**

Sensor vendorSYNAPTICSSensor typeCapacitiveDPI resolution363 DPIScan area104 x 86 pixels

False Rejection Rate < 3%
False Acceptance Rate < 0.001%
Mobile Voltage Operation 2.7 V ~ 3.6 V

Operating Temperature 5°C ~ 60°C (41°F ~ 140°F)

Current Consumption Image 100 mA max Low Latency Wait For Finger 260 uA Capture Rate 50 frames/sec

ESD Resistance IEC 61000-4-2 4B (+15KV)

Detection Matrix 363 dpi / 7.4 x 6.0 mm sensor area



#### HP EliteBook X Flip G1i 14 inch Notebook Next Gen AI PC

OPTIONS		
Category	Description	Part Number
Adapters	HP HDMI to VGA Adapter	H4F02AA
·	HP USB 3.0 to Gigabit RJ45 Adapter G2	4Z7Z7AA
	HP USB-C to DisplayPort Adapter G2	8Y8Y1AA
	HP USB-C to HDMI 2.0 Adapter	1WC36AA
	HP USB-C to RJ45 Adapter G2	4Z527AA
	HP USB-C to USB 3.0 Adapter	N2Z63AA
	HP USB-C to VGA Adapter	N9K76AA
Audio - Earbuds	Poly Voyager Free 60/60+ Black Earbuds (2 Pieces)	8L5A6AA
	Poly Voyager Free 60/60+ Microsoft Teams Certified Black Earbuds	8L5A8AA
	(2 Pieces)	
	Poly Voyager Free 60/60+ Microsoft Teams Certified White Earbuds	8L5B0AA
	(2 Pieces)	
	Poly Voyager Free 60/60+ White Earbuds (2 Pieces)	8L5B1AA
	Poly Voyager Free 60 Carbon Black Earbuds	7Y8H3AA
	Poly Voyager Free 60 Carbon Black Earbuds	7Y8H4AA
	Poly Voyager Free 60 Carbon Black Earbuds	7Y8L7AA
	Poly Voyager Free 60 Carbon Black Earbuds	7Y8L8AA
	Poly Voyager Free 60 Carbon Black Earbuds +Basic Charge Case	7Y8M2AA
	Poly Voyager Free 60 UC Black Earbuds +BT700 USB-C Adapter +Basic Charge Case	7Y8M0AA
	Poly Voyager Free 60 White Sand Earbuds	7Y8L3AA
	Poly Voyager Free 60 White Sand Earbuds	7Y8L4AA
	Poly Voyager Free 60 White Sand Earbuds	7Y8L5AA
	Poly Voyager Free 60 White Sand Earbuds	7Y8L6AA
	Poly Voyager Free 60/60+ Black Earbuds (2 Pieces)	8L649AA,8L5A6AA
	Poly Voyager Free 60+ Carbon Black Earbuds	7Y8G3AA
	Poly Voyager Free 60+ Carbon Black Earbuds	7Y8G4AA
	Poly Voyager Free 60+ Carbon Black Earbuds	7Y8G9AA
	Poly Voyager Free 60+ Carbon Black Earbuds	7Y8H0AA
	Poly Voyager Free 60+ White Sand Earbuds	7Y8G5AA
	Poly Voyager Free 60+ White Sand Earbuds	7Y8G6AA
	Poly Voyager Free 60+ White Sand Earbuds	7Y8G7AA
	Poly Voyager Free 60+ White Sand Earbuds	7Y8G8AA
Audio - Headset	Poly Blackwire 3210 Monaural USB-C Headset +USB-C/A Adapter	8X214AA
	Poly Blackwire 3215 Monaural USB-C Headset	8X227AA
	Poly Blackwire 3220 Stereo USB-C Headset	8X228AA
	Poly Blackwire 3225 Stereo USB-C Headset	8X229AA
	Poly Blackwire 3310 Monaural USB-C Headset	8X215AA
	Poly Blackwire 3310 Monaural USB-C Headset	8X216AA
	Poly Blackwire 3315 Monaural USB-C Headset	8X217AA



Poly Blackwire 3320 Stereo USB-C Headset 8X21	~ ^ ^
I by blackwile 3320 stelet to the duset OAZ i	9AA
Poly Blackwire 3320 Stereo USB-C Headset 8X22	0AA
Poly Blackwire 3325 Stereo Microsoft Teams Certified USB-C 8X22	2AA
Headset +3.5mm Plug +USB-C/A Adapter	
Poly Blackwire 3325 Stereo USB-C Headset +3.5mm Plug +USB-C/A 8X22	1AA
Adapter	
Poly Blackwire 5210 Monaural USB-C Headset +3.5mm Plug +USB- 8X23	0AA
C/A Adapter	
Poly Blackwire 5220 Stereo USB-C Headset 8X23	1AA
Poly Blackwire 8225 Stereo USB-C Headset 8X22	3AA
Poly Blackwire 8225 Stereo USB-C Headset 8X22	5AA
Poly EncorePro 310 Monaural USB-A Headset 7670	1AA
Poly EncorePro 320 Binaural Headset 77T2	6AA
Poly EncorePro 320 Stereo USB-A Headset 7670	OAA
Poly EncorePro 320 Stereo USB-C Headset 767F	9AA
Poly EncorePro 510 Monaural Headset 7830	2AA
Poly EncorePro 510 Monoaural Headset 7830	1AA
Poly EncorePro 520 Binaural Headset 783P	6AA
Poly EncorePro 520 Binaural Headset 783P	7AA
Poly EncorePro 530 Discreet Headset 783P	2AA
Poly EncorePro 530 Headset 783P	ЗАА
Poly EncorePro 540 Convertible Headset 783P	1AA
Poly EncorePro 710 Monoaural Headset 783N	9AA
Poly EncorePro 715 USB-A Monoaural Headset 783N	5AA
Poly EncorePro 725 USB-A Stereo Headset 783N	16AA
Poly EncorePro 720 Binaural Headset 8R70	7AA
Poly EncorePro HW710 Single Ear Headset +Carry Case +Quick 8R70	8AA
Disconnect	
Poly EncorePro Monoaural 310 Headset 77T4	3AA
Poly EncorePro Monoaural 515 with USB-A Headset 783R	OAA
Poly EncorePro Monoaural 515 with USB-A Headset 783R	1AA
Poly EncorePro Stereo 525 with USB-A Headset 783R	2AA
Poly EncorePro USB-A Stereo 525 Headset 783R	ЗАА
Poly EncorePro USB-C Monoaural 310 Headset 7600	
Poly Savi 7210 Office DECT 1880-1900 MHz Single Ear Headset 8D30	9AA
(EMEA + APJ)	
, and the second	D4AA
(NA)	
Poly Savi 7220 Office Binaural DECT 1880-1900 MHz Headset 8D30	AA8
(EMEA + APJ)	
	D5AA
Poly Savi 7310 DECT 1880-1900 MHz Single Ear Headset 8D30	
Poly Savi 7310 DECT 1910-1920 MHz Single Ear Headset 8D30	5AA



Poly Savi 7310 Headset	77T40AA
Poly Savi 7310 Monaural DECT 1880-1900 MHz Headset	8L561AA
Poly Savi 7310 Monaural DECT 1880-1900 MHz Headset	8L575AA
Poly Savi 7310 Monaural DECT 1893-1906 MHz Headset	8L565AA
Poly Savi 7310 Monaural DECT 1893-1906 MHz Headset	8L578AA
Poly Savi 7310 Monaural DECT 1910-1920 MHz Headset	8L566AA
Poly Savi 7310 Monaural DECT 1910-1920 MHz Headset	8L581AA
Poly Savi 7310 Monaural DECT 1920-1930 MHz Headset	7S430AA
Poly Savi 7310 Monaural DECT 1920-1930 MHz Headset	8L570AA
Poly Savi 7310 Monaural DECT 1920-1930 MHz Headset	8L585AA
Poly Savi 7310-M DECT 1880-1900 MHz Single Ear Headset	8D3K7AA
Poly Savi 7310-M DECT 1893-1906 MHz Single Ear Headset	8D3K9AA
Poly Savi 7310-M DECT 1910-1920 MHz Single Ear Headset	8D3L0AA
Poly Savi 7310-M DECT 1920-1930 MHz Single Ear Headset	7S439AA
Poly Savi 7320 Stereo DECT 1880-1900 MHz Headset	8D3F7AA
Poly Savi 7320 Stereo DECT 1880-1900 MHz Headset	8L545AA
Poly Savi 7320 Stereo DECT 1880-1900 MHz Headset	8L553AA
Poly Savi 7320 Stereo DECT 1893-1906 MHz Headset	8D3F8AA
Poly Savi 7320 Stereo DECT 1893-1906 MHz Headset	8L546AA
Poly Savi 7320 Stereo DECT 1893-1906 MHz Headset	8L555AA
Poly Savi 7320 Stereo DECT 1910-1920 MHz Headset	8D3G0AA
Poly Savi 7320 Stereo DECT 1910-1920 MHz Headset	8L548AA
Poly Savi 7320 Stereo DECT 1910-1920 MHz Headset	8L557AA
Poly Savi 7320 Stereo DECT 1920-1930 MHz Headset	7S429AA
Poly Savi 7320 Stereo DECT 1920-1930 MHz Headset	8L549AA
Poly Savi 7320 Stereo DECT 1920-1930 MHz Headset	8L559AA
Poly Savi 7320-M Stereo DECT 1880-1900 MHz Headset	8D3J6AA
Poly Savi 7320-M Stereo DECT 1893-1906 MHz Headset	8D3K2AA
Poly Savi 7320-M Stereo DECT 1910-1920 MHz Headset	8D3K0AA
Poly Savi 7320-M Stereo DECT 1920-1930 MHz Headset	7S435AA
Poly Savi 7410 Monaural DECT 1880-1900 MHz Headset	8L589AA
Poly Savi 7410 Monaural DECT 1880-1900 MHz Headset	8L593AA
Poly Savi 7410 Monaural DECT 1893-1906 MHz Headset	8L591AA
Poly Savi 7410 Monaural DECT 1893-1906 MHz Headset	8L594AA
Poly Savi 7410 Monaural DECT 1910-1920 MHz Headset	8L592AA
Poly Savi 7410 Monaural DECT 1910-1920 MHz Headset	8L597AA
Poly Savi 7410 Monaural DECT 1920-1930 MHz Headset	8L7D5AA
Poly Savi 7410 Monaural DECT 1920-1930 MHz Headset	8L7D7AA
Poly Savi 7420 Stereo DECT 1880-1900 MHz Headset	8L560AA
Poly Savi 7420 Stereo DECT 1880-1900 MHz Headset	8L574AA
Poly Savi 7420 Stereo DECT 1893-1906 MHz Headset	8L563AA
Poly Savi 7420 Stereo DECT 1893-1906 MHz Headset	8L576AA
Poly Savi 7420 Stereo DECT 1910-1920 MHz Headset	8L564AA
Poly Savi 7420 Stereo DECT 1910-1920 MHz Headset	8L579AA



Poly Savi 7420 Stereo DECT 1920-1930 MHz Headset	8L567AA
Poly Savi 7420 Stereo DECT 1920-1930 MHz Headset	8L583AA
Poly Savi 8210 Office DECT 1880-1890 MHz Single Ear Headset	8D3K3AA
(EMEA + APJ)	0551131111
Poly Savi 8210 Office DECT 1880-1900 MHz Single Ear Headset	8D3K5AA
(EMEA + APJ)	
Poly Savi 8210 Office DECT 1910-1920 MHz Single Ear Headset (NA)	8D3K6AA
Poly Savi 8210 Office DECT 1920-1930 MHz Single Ear Headset	
(NA)	7S445AA
Poly Savi 8210 UC DECT 1880-1900 MHz USB-A Headset (EMEA +	
APJ)	8D3E9AA
Poly Savi 8210 UC DECT 1920-1930 MHz USB-A Headset (NA)	77T29AA
Poly Savi 8210 UC Microsoft Teams Certified DECT 1880-1900 MHz	8D3F1AA
USB-A Headset (EMEA + APJ)	ODSTIAA
Poly Savi 8210 UC Microsoft Teams Certified DECT 1920-1930 MHz	77T31AA
USB-A Headset (NA)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Poly Savi 8210-M Office DECT 1880-1900 MHz Single Ear Headset	8D3J8AA
(EMEA + APJ)	
Poly Savi 8210-M Office DECT 1910-1920 MHz Single Ear Headset (NA)	8D3K1AA
Poly Savi 8210-M Office DECT 1920-1930 MHz Single Ear Headset	
(NA)	7S447AA
Poly Savi 8220 Office Stereo DECT 1880-1890 MHz Headset (EMEA	
+ APJ)	8D3J1AA
Poly Savi 8220 Office Stereo DECT 1880-1900 MHz Headset (EMEA	8D3J2AA
+ APJ)	ODSJZAA
Poly Savi 8220 Office Stereo DECT 1910-1920 MHz Headset (NA)	8D3J4AA
Poly Savi 8220 Office Stereo DECT 1920-1930 MHz Headset (NA)	7S4B5AA
Poly Savi 8220 Stereo DECT 1880-1900 MHz Top +Charging Cradle	8Y9C4AA
(EMEA + APJ)	
Poly Savi 8220 UC DECT 1880-1900 MHz USB-A Headset (EMEA + APJ)	8D3F2AA
Poly Savi 8220 UC DECT 1920-1930 MHz USB-A Headset (NA)	77T33AA
Poly Savi 8220 UC Microsoft Teams Certified DECT 1880-1900 MHz	
USB-A Headset (EMEA + APJ)	8D3F5AA
Poly Savi 8220 UC Microsoft Teams Certified DECT 1920-1930 MHz	771/0244
USB-A Headset (NA)	77Y82AA
Poly Savi 8220-M Office Stereo DECT 1880-1900 MHz Headset	8D3H8AA
(EMEA + APJ)	
Poly Savi 8220-M Office Stereo DECT 1910-1920 MHz Headset (NA)	8D3J0AA
Poly Savi 8220-M Office Stereo DECT 1920-1930 MHz Headset (NA)	7S4B6AA
Poly Savi 8245 DECT 1880-1900 MHz Headset +USB-A to USB-C	8D3H2AA
Cable +D400 (EMEA + APJ)	



Poly Savi 8245 Office DECT 1880-1900 MHz USB-A Headset (EMEA + APJ)	8D3H1AA
Poly Savi 8245 Office DECT 1910-1920 MHz USB-A Headset (NA)	8Q005AA
Poly Savi 8245 Office DECT 1920-1930 MHz USB-A Headset (NA)	7W6D1AA
Poly Savi 8245-M Microsoft Teams Certified DECT 1880-1900 MHz	0025444
USB-A Headset +D200 (EMEA + APJ)	8D3F4AA
Poly Savi 8245-M Office Microsoft Teams Certified DECT 1880-	0024744
1900 MHz USB-A Headset (EMEA + APJ)	8D3H7AA
Poly Savi 8245-M Office Microsoft Teams Certified DECT 1910-	8Q006AA
1920 MHz USB-A Headset (NA)	одооолл
Poly Savi 8245-M Office Microsoft Teams Certified DECT 1920-	7W069AA
1930 MHz USB-A Headset (NA)	/ WOOJAA
Poly Savi 8410 Monaural DECT 1880-1900 MHz Headset	8L5A7AA
Poly Savi 8410 Monaural DECT 1880-1900 MHz Headset	8L5A9AA
Poly Savi 8410 Monaural DECT 1920-1930 MHz Headset	8L7E6AA
Poly Savi 8410 Monaural DECT 1920-1930 MHz Headset	8L7E9AA
Poly Savi 8420 Stereo DECT 1880-1900 MHz Headset	8L5B2AA
Poly Savi 8420 Stereo DECT 1880-1900 MHz Headset	8L5B3AA
Poly Savi 8420 Stereo DECT 1920-1930 MHz Headset	8L7F2AA
Poly Savi 8420 Stereo DECT 1920-1930 MHz Headset	8L7F5AA
Poly Savi 8445 DECT 1880-1890 MHz Convertible Headset	8L5B7AA
Poly Savi 8445 DECT 1880-1900 MHz Convertible Headset	8L5B4AA
Poly Savi 8445 DECT 1880-1900 MHz Convertible Headset	8L5B6AA
Poly Savi 8445 DECT 1910-1920 MHz Convertible Headset	8L5B5AA
Poly Savi 8445 DECT 1910-1920 MHz Convertible Headset	8L5B8AA
Poly Savi 8445 DECT 1920-1930 MHz Convertible Headset	8L7F1AA
Poly Savi 8445 DECT 1920-1930 MHz Convertible Headset	8L7F8AA
Poly Voyager 4310 Headset	77Y93AA
Poly Voyager 4310 Monaural Headset	77Y92AA
Poly Voyager 4310 USB-A Headset	76U48AA
Poly Voyager 4310 USB-A Headset	77Y91AA
Poly Voyager 4310 USB-C Headset	77Y94AA
Poly Voyager 4310 USB-C Headset	77Y95AA
Poly Voyager 4310 USB-C Headset	77Y96AA
Poly Voyager 4310-M UC Headset +USB-A to USB-C Cable +BT700	7Y210AA
dongle	/1210AA
Poly Voyager 4310-M USB-C Headset	77Y97AA
Poly Voyager 4320-M +USB-A to USB-C Cable +BT700 dongle	7Y211AA
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



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	Poly Voyager 4320 USB-C Headset	77Z31AA
	Poly Voyager 4320-M Headset	77Z32AA
	Poly Voyager Focus 2 USB-C-C Headset	9T9J3AA
	Poly Voyager Focus 2 USB-C-C Headset	9T9J5AA
	Poly Voyager Focus 2 USB-C-C Headset	9T9J6AA
	Poly Voyager Surround 80 UC Microsoft Teams Certified USB-C	0045344
	Black Headset +USB-C/A Adapter	9D452AA
	Poly Voyager Surround 80 UC Microsoft Teams Certified USB-C	9C6W5AA
	Headset +USB-C/A Adapter Demo	SCOMONA
	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 10 Speakerphone +USB-A to USB-C Cable	7S4M6AA
	Poly Sync 20 USB-C Speakerphone	7F0J7AA
	Poly Sync 20+M Speakerphone +USB-A to USB-C Cable +BT700	71/24 7 4 4
	dongle +Pouch	7Y215AA
	Poly Sync 20-M Speakerphone +USB-A to USB-C Cable	7S4M1AA
	Poly Sync 20-M USB-C Speakerphone	7F0J8AA
	Poly Sync 40 Speakerphone	77P35AA
	Poly Sync 40+ USB-A USB-C Speakerphone	77P36AA
	Poly Sync 40+ USB-A USB-C Speakerphone	772C5AA
	Poly Sync 60 Speakerphone	772C2AA
	Poly Sync 60 Speakerphone	77P41AA
	Poly Sync USB-A 20 Speakerphone	772C8AA
	Poly Sync USB-A 20 Speakerphone	772D2AA
	Poly Sync USB-A 20+ Speakerphone	772C6AA
	Poly Sync USB-A 20+ Speakerphone	772C9AA
	Poly Sync USB-A USB-C 10 Speakerphone	772C3AA
	Poly Sync USB-A USB-C 40 Speakerphone	772C4AA
	Poly Sync USB-C 20+ Speakerphone	772D0AA
	Poly Sync USB-C 20+ Speakerphone	772D1AA
Camera	HP 625 Webcam	6Y7L1AA
	HP USB-A 325 Webcam	53X27AA,53X27UT
Cases	HP 14 Convertible Laptop Backpack Tote	9C2H1AA
<del>-</del>	HP 14 Modular Laptop Sleeve	9J499AA
	HP 15.6 Modular Laptop Backpack	9J496AA
	HP 15.6 Modular Laptop Bag	9J497AA
	HP 15.6 Modular Laptop Sleeve	9J498AA
	HP Campus blue Backpack	7K0E5AA
	campas side sacripació	



HP Campus green Backpack	7K0E4AA
HP Campus XL Marble Stone Backpack	7K0E2AA
HP Campus XL Tie Dye Backpack	7K0E3AA
HP Convertible Laptop Stand	9C2H2AA
HP Prelude 15.6 Backpack	1E7D6AA,1E7D6UT,50P32AA
HP Prelude 15.6 Top Load	1E7D7AA,50P31AA
HP Prelude Pro Recycled 15.6 Backpack	1X644AA,1X644UT
HP Prelude Pro Recycled 15.6 Top Load	1X645AA,1X645UT
HP Renew Business 14.1 Laptop Bag	3E5F9AA
HP Renew Business 14.1 Laptop Sleeve	3E2U7AA
HP Renew Business 15.6 Laptop Bag	3E5F8AA
HP Renew Business 17.3 Laptop Backpack	3E2U5UT
HP Renew Business 17.3 Laptop Bag	3E2U6AA
HP Renew Executive 14.1 Laptop Sleeve	6B8Y3AA
HP Renew Executive 16 Laptop Backpack	6B8Y1AA,6B8Y1UT
HP Renew Executive 16 Laptop Bag	6B8Y2AA
HP Travel 18 Liter 15.6 iron gray Laptop Backpack	6H2D9AA
HP Travel 25 Liter 15.6 iron gray Laptop Backpack	6H2D8AA
HP USB DVD-Writer External ODD	F2B56AA
HP Combination Nano Cable Lock	63B28AA
HP Essential Combination Nano Cable Lock	63B31AA
HP Nano Keyed Cable Lock	1AJ39AA
HP Nano Master Keyed Cable Lock	1AJ40AA
HP SureKey Standard/Nano/Wedge Cable Lock	6UW42AA
HD Thundarhalt 4 100W CC Dock	QVATOLIT
HP Thunderbolt 4 100W G6 Dock HP Thunderbolt 4 Ultra 180W G6 Dock	9X472UT 9X481UT
HP Thunderbolt 4 Ultra 180W G6 Dock HP Thunderbolt 4 Ultra 280W G6 Dock	9X48TUT AW5M5UT
HP Thunderbolt™ 120W G4 Dock	
HP Thunderbolt™ 120W G4 Dock HP Thunderbolt™ 280W G4 Dock w/Combo Cable	4JOA2AA 4JOG4AA
HP I nunderbolt™ 280W G4 Dock W/Combo Cable HP USB-C™ 120W G5 Dock	4JUG4AA 5TW10AA
HP USB-C™ G5 Essential Dock	72C71AA
HP USB-C™G5 ESSENTIAL DOCK HP USB-C™/A 120W G2 Universal Dock	72C7TAA 5TW13AA
THE OSE C IN LEON OF CHINGE SOUTH	21M12UU
HP 4K USB-C Multiport Hub	6G843AA,6G843UT
HP Universal USB-C Hub and Laptop Charger Combo	9H0H9AA
HP Universal USB-C Multiport Hub	50H55AA,50H55UT,50H55PT#ACJ
HP USB-C to USB-A Hub	Z6A00AA
HP USB-C Travel Hub G3	86S97AA,86S97UT
	•
HP 125 Wired Keyboard	266C9AA
HP 320K USB Wired Keyboard	9SR37AA,9SR37UT
UD OCE black Francis Windows Kardsond	7575644



Keyboard

Commodity

Docking

Hub

HP 965 black Ergonomic Wireless Keyboard

7E756AA

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	HP 975 Dual-Mode USB+Bluetooth Wireless Keyboard	3Z726AA
Keyboard & Mouse Combo	HP 225 Wired Mouse and Keyboard Combo	286J4AA
	HP 225 Wired Mouse and Keyboard Combo	86J24AA
	HP 655 Wireless Keyboard and Mouse Combo	860P8AA
	HP Wired Desktop 320MK Mouse and Keyboard	9SR36AA,9SR36UT
Mouse	HP 105 Mouse Pad	8X595AA
	HP 125 Wired Mouse	265A9AA,265A9AT,265A9UT
	HP 128 Laser Wired Mouse	265D9AA
	HP 205 Desk Mat	8X597AA
	HP 320M Wired Mouse	9VA80AA
	HP 685 Comfort Dual-Mode Mouse	8T6M0UT
	HP 695 Qi-Charging Wireless Mouse	8F1Y4AA
	HP 715 Rechargeable Multi-Device Bluetooth Mouse	6E6F0AA
	HP 925 Ergonomic Vertical Wireless Mouse	6H1A5AA
	HP Creator Black 935 Wireless Mouse	1D0K8AA
	HP Multi-Device Black 635 Wireless Mouse	1D0K2AA
Pen	HP Active Rechargeable AES 2 G3 Pen	6SG43AA
Power	HP 110W USB-C Laptop Charger	8B3Y2AA,8B3Y2UT
	HP 65W LC USB-C AC power adapter	1P3K6AA
	HP 65W GaN USB-C Laptop Charger	600Q8UT
	HP 65W USB-C Laptop Charger	671R3AA,671R3UT
Networking /Communications	HP 4G LTE-Advanced Pro Cat19 WWAN	B8BD3AA
	HP 5G Sub-6 WWAN	B8BD4AA



#### HP EliteBook X Flip G1i 14 inch Notebook Next Gen AI PC

### QuickSpecs

#### **CHANGELOG**

Date of change	Version History		Description of change
February 12, 2025	V1 to V2	Updated	Graphics Section
			Weight and Dimensions Section
February 19, 2025	V2 to V3	Updated	Power Section
March 3, 2025	V3 to V4	Updated	Power Section
April 24, 2025	V4 to V5	Added	Image
May 20, 2025	V5 to V6	Updated	Docking Section
May 21, 2025	V6 to v7	Updated	Camera Section
July 9, 2025	V7 to V8	Updated	Overview Section
August 18, 2025	V8 to V9	Updated	Software and Security Section
September 2, 2025	V9 to V10	Updated	Networking /Communications
			Section
			Options Section
September 4, 2025	V10 to V11	Updated	Networking /Communications
			Section
September 19, 2025	V11 to V12	Updated	Software and Security Section

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