HP EliteBook 8 Flip G1i 13" Notebook AI PC
HP EliteBook 8 G1i 13" Notebook AI PC
HP EliteBook 8 G1i 14" Notebook AI PC
HP EliteBook 8 G1i 16" Notebook AI PC

Key Experiences and Product Specs

The gold standard for enterprise, enhanced by AI and reimagined for office and remote collaborators.

Key Product Experiences

Designed for long lasting productivity from anywhere: Enhance your hybrid workforce with advanced conferencing, managed security, and AI-driven performance of the Intel® Core™ processor[1], with up to 13 TOPS NPU[2] in the HP EliteBook 8 G1i AI PCs, designed for demanding enterprise tasks. The new optional active HP Nested Pen[4] on EliteBook 8 Flip G1i provides precise inking with the feel of a traditional pen and convenient features like one-stop inking and pen loss alerts (myHP app)[28] with convenient storage and charging in the charging garage.

Uplevel your collaboration and conferencing experience: Look your best on video calls and manage your video controls for internal and external cameras with Poly Camera Pro.[8] Now Auto Frame, Spotlight, Background Blur, and virtual backgrounds save power running on the NPU. New in 2025, Poly Camera Pro will feature multi-camera support, presenter overlay, streaming integrations[9], and AI Magic Background[10], which uses AI to customize your real-life background.

Cool and quiet performance: Work without distractions with HP Smart Sense[11] that uses AI to shift gears between comfort and performance. It automatically anticipates and adjusts to your PC usage behavior, ensuring the best balance of performance and power.

Product Specs:

Operating System	Windows 11 Pro[12]
Processor(s)	Latest generation Intel® Core Ultra 5 and 7 processors with NPU[2] (U and H Series 2)[1] Up to 13 TOPS[2]
Graphics	**Flip 13" & 13":** Integrated: Intel® Graphics **14" & 16":** Integrated: Intel® Graphics for U, Intel Arc™ Graphics for H
Memory	**Flip 13" & 13":** Up to 64 GB LPDDR5X-8533 MT/s RAM Memory soldered down.[13] **14" & 16":** Up to 64 GB DDR5-5600 MT/s RAM. Both slots are customer accessible/upgradeable. Supports dual channel memory (select models) [13]
Internal Storage	512 GB up to 2 TB PCIe® Gen4x4 NVMe™ SSD TLC; 256 GB up to 512 GB PCIe® Gen4x4 NVMe™ M.2 SED OPAL2 SSD TLC; 256 GB up to 1 TB PCIe® NVMe™ SSD[14]
Display	**Flip 13":** 13.3" diagonal, WUXGA (1920 x 1200), touch, UWVA, BrightView, 300 nits, sRGB 62.5 %, LCD Panel;[48] 13.3" diagonal, WUXGA (1920 x 1200), touch, UWVA, Anti-Glare, WLED + Low Blue Light, 400 nits, sRGB 100 %, low power, LCD Panel; [48] 13.3" diagonal, WUXGA (1920 x 1200), touch, UWVA, BrightView, WLED + Low Blue Light, 400 nits, sRGB 100 %, low power, LCD Panel; [48] 13.3" diagonal, WUXGA (1920 x 1200), touch, UWVA, Anti-Glare, WLED + Low Blue Light, 800 nits, sRGB 100 %, Sure View 5[15] LCD Panel[48] 13.3" diagonal, WUXGA (1920 x 1200), touch, UWVA, BrightView, WLED + Low Blue Light, 800 nits, sRGB 100 %, Sure View 5[15] LCD Panel[48] **13":** 13.3" diagonal, WUXGA (1920 x 1200), UWVA, Anti-Glare, 300 nits, sRGB 62.5%, LCD Panel; [48] 13.3" diagonal, WUXGA (1920 x 1200), touch, UWVA, Anti-Glare, 300 nits, sRGB 62.5%, LCD Panel; [48] 13.3" diagonal, WUXGA (1920 x 1200), UWVA, Anti-Glare, WLED + Low Blue Light, 400 nits, sRGB 100%, low power, LCD Panel; [48] 13.3" diagonal, WUXGA (1920 x 1200), UWVA, Anti-Glare, Low Blue Light, 800 nits, sRGB 100%, Sure View 5[15] LCD Panel[48] **14":** 14" diagonal 2.5K (2560 x 1600), UWVA, Anti-Glare, WLED + Low Blue Light, 400 nits, DCI-P3 100% + Adobe 100%, LCD Panel (high color gamut LCD); [48] 14" diagonal WUXGA (1920 x 1200), UWVA, Anti-Glare, 300 nits, sRGB 62.5 %, low power, LCD Panel; [48] 14" diagonal WUXGA (1920 x 1200), touch, UWVA, Anti-Glare, 300 nits, sRGB 62.5 %, low power, LCD Panel; [48] 14" diagonal WUXGA (1920 x 1200), UWVA, Anti-Glare, WLED + Low Blue Light, 400 nits, sRGB 100%, low power, LCD Panel; [48] 14" diagonal, WUXGA (1920 x 1200), UWVA, Anti-Glare, Low Blue Light, 800 nits, sRGB 100%, Sure View 5[15] LCD Panel; [48] 14" diagonal, WUXGA (1920 x 1200), touch, UWVA, Anti-Glare, Low Blue Light, 800 nits, sRGB 100%, Sure View 5[15] LCD Panel[48] **16":** 16" diagonal 2.5K (2560 x 1600), UWVA, Anti-Glare, WLED + Low Blue Light, 400 nits, DCI-P3 100% + Adobe 100%, LCD Panel (high color gamut LCD); [48] 16" diagonal WUXGA (1920 x 1200), UWVA, Anti-Glare, 300 nits, sRGB 62.5 %, LCD Panel[48] 16" diagonal WUXGA (1920 x 1200), touch, UWVA, Anti-Glare, 300 nits, sRGB 62.5 %, LCD Panel; [48] 16" diagonal WUXGA (1920 x 1200), UWVA, Anti-Glare, WLED + Low Blue Light, 400 nits, sRGB 100%, low power, LCD Panel; [48] 16" diagonal WUXGA (1920 x 1200), UWVA, Anti-Glare, Low Blue Light, 800 nits, sRGB 100%, Sure View 5[15] LCD Panel[48]
Webcam	5 MP camera; 5MP ISP+ with HDR IR optional camera (select models)

Audio	Audio by Poly Studio[27], dual stereo speakers with discrete amplifiers, dual microphones enhanced by AI noise reduction[42]
Input Devices	HP Premium Keyboard – spill-resistant with optional backlit keyboard and Durakeys; Integrated Power Button and Programmable key; Larger clickpad with multi-touch gesture support, Microsoft Precision Touchpad; **Flip 13" only:** Optional HP Nested Pen[4]
Input/Connectivity	2 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate[16] (USB Power Delivery, DisplayPort™ 2.1); 1 USB Type-C® 10Gbps signaling rate[16] (USB Power Delivery, DisplayPort™ 1.4); 1 USB Type-A 5Gbps signaling rate[16] (1 charging); 1 HDMI 2.1[18,19]; 1 stereo headphone/microphone combo jack; Optional Ports: 1 Smartcard reader; 1 External Nano SIM slot for WWAN **Flip 13" only:** Optional integrated pen garage[4,45] **14" & 16" only:** Optional RJ-45[17,50]
Wireless technology	HP Module with NXP NFC Controller NPC300 I2C NCI ; Intel® Wi-Fi 6E[46] AX211 (2x2) and Bluetooth® 5.3 wireless card, vPro®; Intel® Wi-Fi 6E AX211 (2x2)[46] and Bluetooth® 5.3 wireless card, non-vPro®; Intel® Wi-Fi 7 BE201[20] (2x2) and Bluetooth® 5.4 wireless card, vPro®; Intel® Wi-Fi 7 BE201[20] (2x2) and Bluetooth® 5.4 wireless card, non-vPro®; Optional WWAN: HP 4G LTE-Advanced Pro[21]; HP 5G Solution[22]; Optional Qualcomm 9205 LTE-M (CAT-M1 fSVC)
Power Requirements	HP 65 W USB Type-C® slim adapter; HP 65 W USB Type-C® adapter; HP 65 W USB Type-C® Halogen Free adapter; HP 65 W USB Type-C® GaN slim adapter; HP 100 W USB Type-C® slim adapter; Optional no AC adapter 62Whr Long Life Polymer Fast Charge 3 cell Battery[23] **16" only:** 77Whr Long Life Polymer Fast Charge 8 cell Battery[23]
Weight and Dimensions	**Flip 13":** Starting at 1.399 kg; 3.08 lbs; (Does not include power adapter.)[24] 301.80 mm (W) x 214.90 mm (D) x 11.84 mm (front)/ 15.45 mm (rear) (11.88 in (W) x 8.46 in (D) x 0.47 in (front)/ 0.61 in (rear))[25] Maximum height 18.95 mm (0.75)[26] **13":** Starting at 1.299 kg; 2.86 lbs; (Does not include power adapter.)[24] 301.80 mm (W) x 214.90 mm (D) x 11.79 mm (front)/ 15.50 mm (rear) (11.88 in (W) x 8.46 in (D) x 0.46 in (front)/ 0.61 in (rear))[25] Maximum height 18.95 mm (0.75)[26] **14":** Starting at 1.39 kg; 3.06 lbs; (Does not include power adapter.)[24] 315.60 mm (W) x 222.00 mm (D) x 11.75 mm (front)/ 15.50 mm (rear) (12.43 in (W) x 8.66 in (D) x 0.46 in (front)/ 0.61 in (rear))[25] Maximum height 18.95 mm (0.75)[26] **16":** Starting at 1.69 kg; 3.73 lbs; (Does not include power adapter.)[24] 359 mm (W) x 250.00 mm (D) x 11.55 mm (front)/ 15.50 mm (rear) (14.13 in (W) x 9.84 in (D) x 0.45 in (front)/ 0.61 in (rear))[25] Maximum height 21.65 mm (0.85)[26]
Color	Glacier Silver
Software	HP Connection Optimizer; HP Hotkey Support; HP MAC Address Manager; HP Support Assistant; HP Easy Clean; HP Power Manager[3]; myHP[27]; HP Privacy Settings; Touchpoint Customizer for Commercial; HP Notifications; HP PC Hardware Diagnostics Windows; Buy Microsoft Office (Sold separately); Poly Camera Pro[8]
Sustainable Impact Specifications	At least 90% recycled Magnesium top cover (WWAN)[36] & at least 80% recycled Aluminum (non-WWAN)[36] (will vary by configurations); Backlit keycaps made with at least 50% recycled PCR CD/DVD[37]; at least 30% ocean-bound plastic in the speaker box and at least 70% ocean-bound plastic in the keyboard membrane[38,] Low Halogen[47]; EPEAT Climate+™ Gold registered in the U.S[39]; ENERGY STAR® certified; TCO Certified; Power Consumption Meter[40]
Security & Manageability	**Wolf Security for Business includes[28]:** Absolute persistence module; HP DriveLock and Automatic DriveLock; HP Secure Erase; HP Sure Click[29]; HP Sure Sense[30]; BIOS Update via Network; HP Sure Admin[31]; HP BIOSphere[53]; HP Client Security Manager[32]; HP Sure Start[33]; HP Tamper Lock[51]; HP Sure Run[52]; HP Sure Recover[34]; Secured-Core PC Enable; **Other Security Features:** HP Wake on WLAN; Optional Hardened Touch Fingerprint Sensor (FPS)[4]; Security lock slot; TPM 2.0 embedded security chip (Common Criteria EAL4+ and FIPS 140-2 Level 2 Certified)

	Intel vPro Support, HP Manageability Integration Kit[35]; HP Driver Packs; HP System Software Manager (SSM); HP BIOS Config Utility (BCU); HP Client Catalog, HP Image Assistant; HP Connect for Microsoft Endpoint Manager[49]
Productivity and Tools	Poly Camera Pro[8], HP Wolf Security for Business[28], Built-in HP Endpoint Security Controller (ESC)[41], Smart Sense[11], Dynamic color tuning 2.0[27], Onlooker Detection[42,43] with auto Sure View[15]

Disclaimers:

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. Intel's numbering, branding and/or naming is not a measurement of higher performance.
2. AI applications that require an NPU may require software purchase, subscription or enablement by a software or platform provider, and third-party software may have specific configuration or compatibility requirements. Potential NPU inferencing performance varies by use, configuration, and other factors
3. HP Power Manager requires Windows 10 and higher and can be downloaded from the Microsoft Store.
4. Optional feature must be configured at time of purchase.
5. N/A
6. N/A
7. N/A
8. Poly Camera Pro requires Windows OS.
9. To enable Poly Camera Pro effects on any collaboration or streaming app, you must select the "Poly Camera Pro" virtual camera as your camera source.
10. AI Magic Background runs on the GPU when initially generating your background in Poly Camera Pro. The NPU is used for streaming your restyled background in your collaboration applications.
11. Smart Sense requires myHP and Windows 11 OS. Features may vary by platform.
12. Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com.
13. For systems configured with more than 3 GB of memory and a 32-bit operating system, all memory may not be available due to system resource requirements. Addressing memory above 4 GB requires a 64-bit operating system. Memory modules support data transfer rates up to 2666 MT/s, 2933 MT/s or 3200 MT/s as depending on processor config; with 1 DIMM per channel. Additional DIMM loading on any channel may impact maximum memory speed. Actual data rate is determined by the system's configured ; See processor specifications for supported memory data rate.
14. For storage drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows) is reserved for system recovery software.
15. HP Sure View integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.
16. Actual throughput may vary
17. Optional feature must be configured at time of purchase.
18. HDMI cable sold separately.
19. HDMI 2.1 Support resolution up to 4K @60 Hz
20. 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 11 OS, compatible processor, and separately purchased Wi-Fi 7 router to support backwards compatibility 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.
21. 4G LTE module is optional, must be configured at the factory, requires activation and separately purchased service contract. 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.
22. 5G module is optional and must be configured at the factory. 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.
23. Actual battery Watt-hours (Wh) will vary from design capacity. Battery capacity will naturally decrease with shelf life, time, usage, environment, temperature, system configuration, loaded apps, features, power management settings and other factors.
24. Actual weight will vary by configuration.
25. Front height measurement is near the front edge where the chassis bottom cover taper begins. Back height measurement is near the back edge where the chassis bottom cover taper ends, excluding transition area to rubber feet.
26. Dimensions may vary by configuration.
27. Requires Windows OS.
28. HP Wolf Security for Business requires Windows 10 or 11 Pro and higher, includes various HP security features and is available on HP Pro, Elite, Workstation, and RPOS products. See product details for included security features.
29. HP Sure Click requires Windows 10 and higher. See https://bit.ly/2PrLT6A_SureClick for complete details.
30. HP Sure Sense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS.
31. HP Sure Admin requires Windows 10 and HP BIOS
32. HP Client Security Manager Gen6/Gen7 requires Windows and is available on the select HP Elite and Pro PCs.
33. HP Sure Start is available on select HP PCs and requires Windows 10 Pro and higher

34. HP Sure Recover is available on select HP PCs and requires Windows 10 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. Network based recovery using Wi-Fi is only available on PCs with Intel Wi-Fi Module.
35. HP Manageability Integration Kit can be downloaded from http://www8.hp.com/us/en/ads/clientmanagement/overview.html
36. 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
37. Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 EPEAT standard.
38. 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
39. Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. See www.epeat.net for registration status and tier levels by country.
40. Power Consumption Measurement with real-time total power usage tracking will release in 2024 on our commercial notebook line. The energy consumption data is planned to be available to end users within myHP and ITDMs via HP Proactive Insights in May 2024. Fleet management within HP Proactive Insights requires Windows 10 or higher and registration for the Workforce Experience platform at https://admin.hp.com. Some features and capabilities may require additional purchase of HP services and/or commercial hardware capable of supporting the HP Insights agent for Windows, Mac, & Android. Activation and restrictions may apply. Select HP Workforce Solutions require an HP Insights agent for Windows, Mac, & Android, available for download at https://admin.hp.com/software. For full system requirements and services that require the agent, please visit https://admin.hp.com/requirements. 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.
41. Requires Windows 10 or higher. For supported HP PCs with the latest HP Endpoint Security Controller
42. Requires myHP and Windows OS.
43. Requires ISP+ camera that must be configured at purchase
44. External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.
45. Actual battery life will vary with use and environmental conditions, and will naturally decrease with time and usage.
46. Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. And available in countries where Wi-Fi 6E is supported.
47. External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.
48. All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
49. HP Connect is available at admin.hp.com for HP Pro, Elite, Z and Point-of-Sale PCs managed with Microsoft Intune Service. Subscription to Microsoft Intune required and sold separately. Network connection required.
50. RJ-45 port must be configured at time of purchase and is not available in all regions
51. HP Tamper Lock requires a supervisor password be established prior to use.
52. HP Sure Run is available on select HP PCs and requires Windows 11.
53. HP BIOSphere Gen6 requires Windows 10 and is available on select HP Pro and Elite PCs. Features may vary depending on the platform and configurations.