

HP EliteBook 6 G1q 14" Notebook Next Gen AI PC



Key Experiences and Product Specs



Frontline professionals and office support staff performing administrative work can accomplish more in less time with the power of AI in a highly flexible Arm-based Next Gen AI PC.²

Key Product Experiences

Unparalleled performance even when unplugged: Offload more tedious tasks and spend more time introducing innovative ideas that move the needle with a 45 TOPS NPU³ and long battery life. Ask AI, analyze your documents, and manage settings with HP AI Companion⁴, redesigned for local AI processing. Keep your queries private with a redesigned UI that lets you toggle between 'On device'⁵ and 'Cloud'.⁶

Next-gen AI powers collaboration experiences: Remove barriers to collaboration for global teams with this Copilot+ PC.¹ Live Captions,⁷ Poly Studio tuned speakers, and Poly Cam Pro⁸ allow for more natural and productive conversations. With Poly Camera Pro, you can look your best on video calls and manage your video controls for internal and external cameras. 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 integrations⁹, and AI Magic Background¹⁰, which uses AI to customize your real-life background. Maximize your performance with HP onlooker detection, Auto Lock & Awake, Adaptive Color Brightness, and other HP features.

Security that lets you work without interruption: Isolate high-risk content by opening files in a protected window, preventing potential harm with HP Sure Click.¹¹ Use behavioral analysis with advanced AI techniques to block never-before-seen malware attacks with HP Sure Sense.¹²

Product Specs:

Operating System	Windows 11 Pro ¹³
Processor(s)	Qualcomm Snapdragon® X Elite X1E-78100-1 and Snapdragon® X Plus Processor X1P-42100-1, Snapdragon® X Processor X1-24-100 ¹⁴ Up to 45 TOPS NPU ³
Graphics	Qualcomm® Adreno™ GPU
Memory	Up to 64GB LPDDR5X ¹⁶
Internal Storage	256 GB up to 1 TB PCIe® NVMe™ M.2 SSD ¹⁷
Display	14" diagonal, WUXGA (1920 x 1200), UWVA, Anti-Glare, 300 nits, sRGB 62.5%, low power, LCD Panel; ⁴² 14" diagonal, WUXGA (1920 x 1200), touch, UWVA, Anti-Glare, 300 nits, sRGB 62.5%, low power, LCD Panel; ⁴² 14" diagonal, WUXGA (1920 x 1200), UWVA, Anti-Glare, WLED + Low Blue Light, 400 nits, sRGB 100%, low power, LCD Panel; ⁴² 14" diagonal, WUXGA (1920 x 1200), UWVA, Anti-Glare, Low Blue Light, 800 nits, sRGB 100%, Sure View 5 ¹⁸ LCD Panel; ⁴² 14" diagonal, WQXGA (2560 x 1600), UWVA, Anti-Glare, WLED + Low Blue Light, 400 nits, DCI-P3 100% + Adobe 100%, LCD Panel (NeoLED) ⁴²
Webcam	FHD camera; optional 5MP+IR camera; optional AI ISP camera
Audio	Audio by Poly Studio ³¹ , dual stereo speakers, dual microphones enhanced by AI noise reduction ¹⁹
Input Devices	HP Standard Keyboard - spill-resistant with optional backlit keyboard and DuraKeys; Clickpad with multi-touch gesture support, Microsoft Precision Touchpad
Input/Connectivity	2 USB4 with USB Type-C® 40Gbps signaling rate ²⁰ (USB Power Delivery, DisplayPort™ 1.4); 2 USB Type-A 5Gbps signaling rate ²⁰ (1 charging, 1 power); 1 HDMI 2.1 ^{21,22} ; 1 stereo headphone/microphone combo jack; RJ45 ²³ ; Optional ports: 1 external Nano SIM
Wireless technology	Qualcomm® Fast Connect™ 7800 Wi-Fi 7 ²⁴ (2x2) and Bluetooth® 5.4 wireless card Qualcomm® Fast Connect™ 6900 Wi-Fi 6E ²⁵ (2x2) and Bluetooth® 5.3 wireless card Optional WWAN: 5G Solution ²⁶
Power Requirements	HP Long Life 3-cell, 48 Wh polymer; HP Long Life 3-cell, 56 Wh polymer ²⁷ HP 65 W USB Type-C® adapter; HP 65 W USB Type-C® Halogen Free adapter
Weight and Dimensions	318.6 mm (W) x 224.4 mm (D) x 10.9 mm (front)/ 17 mm (rear) Maximum height 20.9 mm ^{28,29} Starting weight 1.448kg (3.19 lbs); ²⁴ (Does not include power adapter.) ³⁰
Color	Silver
Software	MyHP ³¹ ; HP AI Companion ⁴ ; Poly Camera Pro ¹⁸ ; Poly Lens; HP Hotkey Support; HP Privacy Settings; HP PC Hardware Diagnostics Windows; HSA Fusion for Commercial; Windows Studio (MEP) Enablement; Microsoft Copilot ³³ ; MS Presence Sensing; WWAN with HP Go ³⁴
Sustainable Impact Specifications	At least 50% recycled aluminum in the A, C, and D covers ³⁵ , at least 50% post-consumer recycled plastic in the keycaps ³⁶ , at least 20% Ocean-bound plastic ³⁷ + 30% PCR in speaker box ³⁶ , and the outer box packaging is 100% sustainably sourced and recyclable ⁴⁰ ; Low Halogen ³⁹ ; EPEAT Climate+™ Gold registered in the U.S. ³⁸ , ENERGY STAR® certified; TCO Certified; CECP; SEPA
Security & Manageability	HP Management Integration Kit ⁴¹ , HP Privacy Camera ²³ , HP Sure Sense ¹² ; HP Sure Click ¹¹ ; HP Client Security Manager ³² , MS Pluton; Microsoft Secured-Core PC; Hardware TPM; Security lock slot HP Image Assistant; HP CMSL
Productivity and Tools	Copilot+ PC ¹ ; HP AI Companion ⁴ ; Poly Camera Pro ⁸ , HP Go ³⁴

Disclaimers:

1. Copilot+ PC: On some devices, some Copilot+ PC experiences require free updates continuing to roll out through early 2025. Timing varies by device and region. See aka.ms/copilotpluspcs. Copilot is NOT available in China, Russia, Belarus, and embargoed regions Cuba, Iran, North Korea, Crimea.
2. Next Gen AI PC with 40 to 60 TOPS NPU to enable local AI processing.
3. 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
4. HP AI Companion is available preloaded on select HP next gen AI PCs or is available for download from the Microsoft store, requires a HP next gen AI PC with a NPU supporting 40-60 TOPS, with 16GB or more of storage, and requires Windows 11. Perform requires account set up within 30 days of PC boot or enrollment through the HP AI Companion app. Some features require customer upload of local data. Ten (10) library 100MB limit each, supported files may vary and at launch include pdf, .txt., .docx files.
5. For 'On device' AI use, your HP Next Gen AI PC requires 32GB RAM and will require up to 4.5GB storage on your PC.
6. 'On device' mode uses a downloaded LLM Phi 3.5 to process queries locally and does not require an internet connection. 'Cloud' mode uses GPT-4o to process queries online and requires an internet connection.
7. Currently supports translation for video and audio subtitles into English from 40+ languages. See <https://aka.ms/nextgenaicps>
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. HP Sure Click requires Windows 10 and higher. See https://bit.ly/2PrLT6A_SureClick for complete details.
12. HP Sure Sense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS.
13. 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>.
14. 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. Qualcomm's numbering is not a measurement of clock speed.
15. N/A
16. 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.
17. For storage drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows) is reserved for system recovery software.
18. HP Sure View integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.
19. Requires myHP and Windows OS.
20. Actual throughput may vary
21. HDMI cable sold separately.
22. HDMI 2.1 Support resolution up to 4K @60 Hz
23. Optional feature must be configured at time of purchase.
24. 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.
25. 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.
26. 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.
27. 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.
28. Actual weight will vary by configuration.
29. 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.
30. Dimensions may vary by configuration.

31. Requires Windows OS.
32. HP Client Security Manager Gen6/Gen7 requires Windows and is available on the select HP Elite and Pro PCs.
33. Timing of feature delivery and availability varies by market and device. Requires Microsoft account to log in. See aka.ms/copilotpluspcs. Copilot is NOT available in China, Russia, Belarus, and embargoed regions Cuba, Iran, North Korea, Crimea.
34. HP Go is available as a separate subscription in North America, requires 5G and must be configured at the time of purchase on select HP commercial laptops and workstations. Subscription details coming soon.
35. 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
36. Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 EPEAT standard.
37. 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
38. 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.
39. External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.
40. 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 commercial, personal systems accessories, and spare parts is not included.
41. HP Manageability Integration Kit can be downloaded from <http://www8.hp.com/us/en/ads/clientmanagement/overview.html>
42. All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

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