

EliteBook X G2a Notebook Next Gen AI PC



A Copilot+PC¹

Key Experiences and Product Specs



AI muscle. Relentless speed.

Key Product Experiences

- **Pioneering design. Dominant performance:** The HP EliteBook X G2a delivers next-gen AI performance, blazing-fast storage, and intelligent power tuning—so you can create, collaborate, present, and problem-solve effortlessly on the move, all on a brilliant 3K Tandem OLED display.
- **Smart speed, cool power:** With up to 55 TOPS NPU^{2,3} for local AI compute, the HP EliteBook X G2a adapts in real time—boosting performance when docked, conserving power when mobile, and staying cool under pressure.
- **Smarter by design:** Built for IT peace of mind—secure, manageable, and serviceable, with a top-mounted keyboard that’s quickly replaceable, the HP EliteBook X G2a is the premium AI PC that’s easy to support and ready for anything.
- **Redesigned for speed and comfort.** Redesigned keyboard with deeper, more comfortable keycaps, enlarged keys where it matters, and a top-mount design for faster serviceability paired with a larger waterfall haptic trackpad for smooth, responsive, and seamless navigation.
- **Help protect our shared future:** With over 80% of major parts containing recycled materials⁴ and power data tracking to help reduce energy use the ENERGY STAR[®] certified and EPEAT[®] Climate+ Gold registered⁵ HP EliteBook X represents the latest in design from HP.
- **Protected by HP Wolf Security:** HP Wolf Security for Business creates a hardware-enforced, always-on, resilient defense. From the BIOS to the browser, above, in, and below the OS, these constantly evolving solutions help protect your PC from modern threats.⁶

Product Specs:

Operating System	Windows 11 Home ⁷ Windows 11 Pro ⁷
Processor(s)	AMD Ryzen™ AI 9 HX PRO 470 (R9 Pro, GPT1, Up to 55TOPS) ^{2,3,8} AMD Ryzen™ AI 7 PRO 450 (R7 Pro, GPT2, Up to 50TOPS) ^{2,3,8} AMD Ryzen™ AI 5 PRO 440 (R5 Pro, GPT2, Up to 50TOPS) ^{2,3,8} AMD Ryzen™ AI 5 435 (R5 non-Pro, GPT3, Up to 50TOPS) ^{2,3,8}
Graphics	Integrated AMD Radeon™ Graphics
Memory	16/24/32/64GB. System run 8533MT/s in 16/24/32GB for GPT1/2 APU, 8000MT/s in 64GB AND for GPT3 APU. ⁹
Internal Storage	512GB up to 1TB PCIe® Gen4 NVMe™ M.2 SSD Value ¹⁰ 512GB up to 2TB PCIe® Gen5 NVMe™ M.2 SSD Value ¹⁰ 512GB PCIe® Gen5 NVMe™ M.2 SED OPAL2 SSD Value ¹⁰ 1TB up to 2TB PCIe® Gen5x4 NVMe™ M.2 SED OPAL2 SSD ¹⁰
Display	14.0 in diagonal, WUXGA (1920 x 1200), UWVA, Anti-Glare, OLED + Low Blue Light, 300 nits, DCI-P3 95%, OLED Panel ¹¹ 14.0 in diagonal, WUXGA (1920 x 1200), UWVA, Anti-Glare, WLED + Low Blue Light, 400 nits, low power, sRGB 100%, LCD Panel ¹¹ 14.0 in diagonal, WUXGA (1920 x 1200), UWVA, Anti-Glare, Low Blue Light, 800 nits, sRGB 100%, Sure View 6 LCD Panel ^{11,12} 14.0 in diagonal, 3K (2880 x 1800), 120Hz (VRR), UWVA, Anti-Glare, OLED+ Low Blue Light, 500 nits, DCI-P3 100%, OLED Panel ¹¹ 14.0 in diagonal, WUXGA (1920 x 1200), Touch on Panel, UWVA, Anti-Glare, LED, 500 nits, sRGB 100%, LCD Panel ^{11,13} 14.0 in diagonal, WUXGA (1920 x 1200), Touch on Panel, UWVA, Anti-Glare, Low Blue Light, 800 nits, sRGB 100%, Sure View 6 LCD Panel ^{11,12,13} 14.0 in diagonal, 3K (2880 x 1800), Direct Bonding Touch Screen, 120Hz (VRR), UWVA, BrightView, OLED+ Low Blue Light, 700 nits, DCI-P3 100%, Tandem OLED Panel ^{11,13}
Screen-To-Body Ratio	Up to 90.08% ⁴²
Webcam	5 MP AI (AI Presence Detection + Voice AI) camera; IR Camera
Audio	Audio by Poly Studio, four stereo speakers, dual microphones enhanced by AI noise reduction
Input/Connectivity	Right side: 1 x USB Type-C® 10Gbps signaling rate ¹⁴ (USB Power Delivery, DisplayPort™ 2.1); 1 x USB Type-A 5 Gbps signaling rate ¹⁴ (Powered); 1 x Security lock slot; 1 x Nano SIM card slot (optional). Left side: 2 x Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate ¹⁴ (USB Power Delivery, DisplayPort™ 2.1); 1 x HDMI 2.1 ¹⁵ ; 1 x headphone/mic combo jack.
Wireless Technology	MediaTek Wi-Fi 7® MT7925 (2x2) ¹⁶ and Bluetooth® 6 wireless card; Optional: HP Module with NXP NFC Controller NPC300 I2C NCI; Becks RW220-GL LTE (Low Power) (CAT-1bis); HP R15 5G Solution ¹⁹ , HP R18 5G Solution WWAN, HP GO 2.0 ^{17,18,19}
Power & Battery	HP Long Life 3-cell, 56Wh polymer; HP Long Life 6-cell, 68Wh polymer ²⁰ 100W Wall Mount USB Type-C® GaN Halogen Free AC power adapter ²¹ 65W Wall Mount USB Type-C® GaN Halogen Free AC power adapter ²¹ 65W Standard USB Type-C® GaN AC power adapter ²¹
Weight and Dimensions	Starting at 1.119kg, 2.467 lbs. ²³ 312.7 mm (W) x 217 mm (D) x 7.73 mm - 7.75 mm (front)/13.15 mm - 14.35 mm (rear). Maximum height: 15.95 mm - 17.15 mm ²² 12.31 in (W) x 8.54 in (D) x 0.30 in - 0.31 in (front)/0.52 in - 0.56 in (rear). Maximum height: 0.63 in - 0.68 in ²²

Color	Glacier Silver and Atmospheric Blue
Sustainable Impact Specifications	<p>At least 80% of the major parts contain recycled material²⁴, including: up to 90% recycled magnesium²⁵ (85% Post-Industrial recycled) + 5% automotive) in the covers, 75% recycled plastic in bezel²⁶ (contains recycled carbon black from wasted tire), 50% recycled plastic²⁶ (contains 30% Ocean-bound Plastic²⁷) in speaker enclosure, 75% recycled plastic²⁶ (contains 5% Ocean-bound Plastic²⁷) in keycaps, 30% recycled fishing net materials in keyboard scissos³⁰, 50% of recycled copper²⁵ (contains 5% TÜV Certified closed loop⁴³) in thermal CPU block, Display with 20% recycled glass²⁸ and 25% recycled indium²⁴, and 100% recycled cobalt in battery²⁵.</p> <p>Outer box packaging is 100% sustainably sourced²⁹; Low Halogen; bulk packaging available; ENERGY STAR® certified; CECP; IT ECO Declaration; EPEAT® Gold registered⁵ in the U.S; SEPA; Taiwan Green Mark; Japan PC Green Label; KOECO; TCO Certified; FEMP; Power Consumption Measurement.³¹</p>
Security	<p>Secured-Core PC Enable; Windows Hello Enhanced Sign-In Security (ESS); HP Sure Admin³⁴; HP Sure Click³⁵; HP Sure Recover³⁶; HP Sure Run³⁷; HP Sure Sense³⁸; HP Sure Start³⁹; HP Tamper Lock⁴⁰; TPM 2.0 embedded security chip (Common Criteria EAL4+ and FIPS 140-3 Level 3 Certified); Absolute Persistence Module; Audio Permanent Disable; BIOS Update via Network; HP BIOSphere⁴¹; HP DriveLock & Automatic DriveLock; HP Secure Erase; HP Wake on WLAN; HP Fingerprint Sensor²¹</p>
Productivity and Tools	<ul style="list-style-type: none"> • 5G Connectivity from almost anywhere with HP Go^{17,18,19} • Productive, clear video calls <ul style="list-style-type: none"> ○ 5MP AI Camera ○ Poly Camera Pro³² ○ Windows Studio Effects³³ ○ Advanced AI noise reduction • Effortless serviceability with new top mount keyboard designed for quick disassembly • New waterfall trackpad that extends to the keyboard for multi-gesture control • Redesigned keyboard for improved productivity, including deeper keycap “dish” for a more comfortable typing experience and easier keyboard navigation with new power key and enlarged esc/delete key. • Choose your level of viewing brilliance that fits you with varying OLED options from FHD to Tandem

Disclaimers:

1. 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. Use of Recall requires customer authentication using Windows Hello Enhanced Sign in Security (ESS) which requires a fingerprint reader or facial recognition camera and may not be supported on all platforms. See <http://aka.ms/WindowsAIFeatures>
2. Next Gen AI PC with 40+ 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. Percent of recycled material varies by product.
5. EPEAT tier levels may vary by country. See www.epeat.net for registration status and tier levels by country.
6. HP Wolf Security for Business requires Windows 10 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 and OS requirements.
7. 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>.
8. Multi-core 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. AMD's numbering is not a measurement of clock speed.
9. 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.
10. For storage drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows) is reserved for system recovery software.
11. All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
12. HP Sure View integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.
13. Touch will reduce actual brightness
14. Actual throughput may vary
15. HDMI 2.1 Support resolution up to 4K @60 Hz
16. 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.
17. HP GO is optional and must be configured at time of purchase.
18. HP Go integrates pre-embedded carrier profiles, pre-activation processes, and pre-configured APNs at the factory, enabling seamless out-of-the-box connectivity. Requires 5G module and Windows support for carrier profile management and network selection. US subscription service ONLY
19. 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.
20. Actual battery life will vary with use and environmental conditions, and will naturally decrease with time and usage.
21. Optional feature must be configured at time of purchase.
22. 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.
23. Actual weight will vary by configuration.
24. Percent of recycled material varies by product.
25. 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.
26. Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 EPEAT standard

27. 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.
28. Percentage of recycled glass in the monitor panel varies by product. Recycled glass is expressed as a percentage of the total weight of the glass.
29. 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.
30. Percentage of recycled fishing net plastic contained in each component varies by product. Recycled fishing net plastic is expressed as a percentage of the total weight plastic.
31. 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.
32. Poly Camera Pro requires the HP application and Windows OS.
33. Windows Studio Effects features require Windows 11 OS and a processor equipped with an NPU. For more detail visit <https://learn.microsoft.com/en-us/windows/ai/studio-effects/>
34. HP Sure Admin requires Windows 10 or higher and HP BIOS
35. HP Sure Click requires Windows 10 and higher. See https://bit.ly/2PrLT6A_SureClick for complete details.
36. 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.
37. HP Sure Run is available on select Windows 10 Pro and higher based HP Pro, Elite and Workstation PCs with select Intel® or AMD processors.
38. HP Sure Sense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS.
39. HP Sure Start is available on select HP PCs and requires Windows 10 Pro and higher
40. HP Tamper Lock must be enabled by the customer or your administrator.
41. HP BIOSphere requires Windows 10 or higher and is available on select HP Pro and Elite PCs. Features may vary depending on the platform and configurations.
42. Screen to body ratio is the percent of active plus nonactive viewing area to active viewing area plus border. Measure with lid vertical to the desk
43. Based on an August 2025 certification project, audited by TÜV RheinlandTaiwan according to international standards. <https://www.prnewswire.com/apac/news-releases/from-waste-to-worth-hp-and-tuv-rheinlands-sustainabil...>

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