

HP EliteBook X G1a 14 inch Notebook Next Gen AI PC

The game-changing AI PC tech experts dream about

Innovate with the speed of local AI on the HP EliteBook X G1a Next Gen AI PC. With on device AI, demanding users can easily jumpstart projects, accelerate initiatives, and multitask with ease. Utilize optimized collaboration features that run on the NPU easing the demand on battery life.

Say goodbye to lag time with the power of local AI

Turbocharge your sprint and make complex tasks look easy with an up to 55 TOPS NPU³ that allows you to keep your ideas secure. Utilize AI-based performance management that adjusts automatically to provide exceptional battery life.

Spark ideas with meaningful collaboration

Keep you and your ideas front and center with Poly Camera Pro collaboration tools like Background Adjustments, Auto Framing, and Spotlight, designed for the way you share and work together.⁴

Robust security against quantum computing attacks

Fortify your workforce against quantum threats with the built-in HP Endpoint Security Controller (ESC).⁵ The latest ESC protects firmware against quantum computer attacks and helps ensure the integrity of sensitive and regulated data.



*Product image may differ from actual product

Sustainability in action

Help protect our shared future

Enjoy your PC longer with optional HP Device Life Extension⁶ that extends the useful life of aging devices by securely upgrading performance and addressing the most common issues that impede employee and IT productivity.



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Featuring

HP Recommends Windows 11 Pro for business with Microsoft Copilot

Work anywhere without compromising on performance with Windows 11¹ and HP collaboration, security, and connectivity technology. Summarize and rewrite content, get relevant content recommendations, and stay organized with Microsoft Copilot.⁷

Commanding AMD processor

Take on your work with an efficient and reliable AMD Ryzen® processor² with up to 55 TOPS NPU¹⁰ and up to 40W Thermal Design Power (TDP) that provides a highly responsive experience.

Quickly access Microsoft Copilot

Launch Microsoft Copilot⁷ with a touch of the Copilot key⁷, to write content, analyze data, and stay organized on the sleek HP EliteBook X AI PC. Enjoy ample viewing space and less scrolling on the 14-inch, 16:10 ratio optional touch display.¹²

AI-enhanced features

Work without distraction with HP Smart Sense⁸ which makes automatic adjustments keeping your system cool and quiet and help conserve battery with Adaptive Dimming⁹ that automatically dims your screen when you're not looking at it.

Wake and lock with your presence

Lock your PC when you leave it and wake it when you approach with HP Auto Lock and Awake. An advanced proximity sensor detects your presence and triggers the camera and Windows Hello to confirm your identity and unlock your PC.¹³

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.¹⁰

Blur your screen with Onlooker Detection

Advanced sensors in the camera detect when someone is looking at your screen from behind you sending you a notification and allowing you to blur your screen for privacy.¹⁴

Collaboration through the NPU

Look your best on video calls and save some power too. Manage your video controls for internal and external cameras with Poly Camera Pro.⁴ Now Auto Framing, Spotlight, Background Blur, and virtual backgrounds save power running on the NPU.

Explore new things and find answers

Seamlessly explore new things and find answers to anything you need, leveraging web content. With AI Companion you can Ask for information, advice, creative ideas, or just conversation. Experience the power of AI knowledge at your fingertips.¹⁵

Query and interact with your personal files

Query and interact with your personal files on your device to get actionable insights. Build a custom library in AI Companion to Analyze, compare, summarize your documents or draft reports and articles.¹⁵

Optimize your PC with Perform tool

Get updates and ongoing optimization with the Perform tool in AI Companion that will assess your PC performance, improve it and better your everyday experience over time. Works in the background to maintain system drivers, BIOS, and core PC firmware.¹⁵



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Technical specifications

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|---------------------------------------|--|
| Available Operating Systems | Windows 11 Pro ¹ Windows 11 Home – HP recommends Windows 11 Pro for business 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) ¹ FreeDOS |
| Processor family | AMD Ryzen™ AI 9 PRO processor AMD Ryzen™ AI 7 PRO processor AMD Ryzen™ AI 5 PRO processor AMD Ryzen™ AI 5 processor |
| Available Processors ^{2,3,4} | AMD Ryzen™ AI 9 HX PRO 375 (2.0 GHz base clock, up to 5.1 GHz max boost clock, 24 MB L3 cache, 12 cores, 24 threads) with AMD Radeon™ Graphics and AMD XDNA™ 2 architecture (55 NPU TOPS) AMD Ryzen™ AI 7 PRO 360 (2.0 GHz base clock, up to 5.0 GHz max boost clock, 16 MB L3 cache, 8 cores, 16 threads) with AMD Radeon™ Graphics and AMD XDNA™ 2 architecture (50 NPU TOPS) AMD Ryzen™ AI 5 PRO 340 (up to 4.8 GHz max boost clock, 16 MB L3 cache, 6 cores, 12 threads) with AMD Radeon™ 840M Graphics and AMD Ryzen™ AI (50 NPU TOPS) AMD Ryzen™ AI 5 340 (up to 4.8 GHz max boost clock, 16 MB L3 cache, 6 cores, 12 threads) with AMD Radeon™ 840M Graphics and AMD Ryzen™ AI (50 NPU TOPS) |
| Neural Processing Unit | AMD XDNA™ 2 architecture ⁴ |
| Product colour | Glacier silver |
| Maximum memory | 64 GB LPDDR5X-8533 MT/s; (Transfer rates up to 8000 MT/s.) Memory soldered down. Supports dual channel memory. ⁵ |
| Internal storage | 512 GB up to 2 TB PCIe® Gen4x4 NVMe™ M.2 SSD TLC ⁶ 512 GB PCIe® Gen4x4 NVMe™ M.2 SED SSD TLC ⁶ 256 GB PCIe® NVMe™ Value M.2 SSD ⁶ |
| Display size (diagonal, metric) | 35.6 cm (14") |
| Display ^{10,11,12,13} | 35.6 cm (14") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 400 nits, low power, 100% sRGB; 35.6 cm (14") diagonal, 3K (2880 x 1800), OLED, touch, 48-120 Hz, BrightView, Low Blue Light, 400 nits, low power, 100% DCI-P3 |
| Available Graphics | Integrated: AMD Radeon™ Graphics |
| Audio | Audio by Poly Studio, quad stereo speakers with discrete amplifiers, integrated dual array microphones |
| Ports and connectors | 1 USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1); 1 HDMI 2.1; 1 stereo headphone/microphone combo jack; 2 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1); 1 USB Type-A 10Gbps signaling rate (powered) ⁹ ; (Cables are not included.) |
| Input devices | HP Premium Keyboard – spill-resistant, backlit keyboard; Clickpad with multi-touch gesture support, taps enabled as default; Microsoft Precision Touchpad; Accelerometer; HP Sure Platform; Thermal sensor; HP Tamper Lock; Hall effect sensor ²⁹ |
| Communications | (Compatible with Miracast-certified devices. ⁸); ; MediaTek Wi-Fi 7 MT7925 (2x2) and Bluetooth® 5.4 wireless card with external antenna ; NFC Mirage WNC XRAV-1 ⁷ |
| Camera | 5 MP camera; IR camera |
| Software | Buy Microsoft Office (sold separately); HP Connection Optimizer; myHP; Hotkey support; HP Notifications; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Services Scan ¹⁶ ; HP Support Assistant ¹⁷ ; HP AI Companion; HSA Fusion for Commercial; HSA Telemetry for Commercial; Poly Camera Pro; Poly Lens ¹⁸ ; HP MAC Address Manager; Battery Health Manager ³² |
| Security management | HP Sure Admin ²³ ; HP Sure Click ²⁴ ; HP Sure Recover ²⁵ ; HP Sure Run ²⁶ ; HP Sure Sense ²⁷ ; HP Sure Start ²⁸ ; HP Tamper Lock ²⁹ ; Absolute Persistence Module ³⁰ ; HP BIOS Recovery; Secured-Core PC Enable; TPM 2.0 embedded security chip (Common Criteria EAL4+ and FIPS 140-2 Level 2 Certified); Security lock slot ³⁵ ; Windows Hello Enhanced Sign-in Security (ESS) Enable; BIOS Update via Network; HP BIOSphere Gen6 ³⁷ ; HP DriveLock and Automatic DriveLock; HP Secure Erase ³⁶ ; HP Wake on WLAN |
| Security Software Licenses | HP Wolf Pro Security Edition ⁵⁶ |
| Fingerprint reader | Fingerprint sensor (select models) |



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Technical specifications

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|-----------------------------------|---|
| Management features | HP Client Management Script Library (download) ¹⁹ ; HP Image Assistant (download) ²¹ ; HP Driver Packs (download) ²⁰ ; HP Cloud Recovery; HP Manageability Integration Kit (download) ²² ; HP Client Catalog (download); HP Connect for Microsoft Endpoint Manager; HP Power Manager |
| Power | HP 100 W USB Type-C® slim adapter; HP 140 W USB Type-C® slim adapter ³³ |
| Battery type | HP XL-Long Life 4-cell, 74.5 Wh Li-ion polymer ¹⁴ ; Battery is internal and not replaceable by customer. Serviceable by warranty. Fast charging 50% in 30 minutes. ¹⁵ |
| Dimensions | 31.22 x 21.46 x 0.92 cm (front); 31.22 x 21.46 x 1.31 cm (rear); (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.) |
| Weight | Starting at 1.49 kg; (Weight will vary by configuration. Does not include power adapter.) |
| Ecolabels | EPEAT® registered configurations available; TCO Certified; EPEAT® Gold registered in the U.S. ³⁴ |
| Energy star certified | ENERGY STAR® certified |
| Certification and compliance | CECP; GS Mark; CSA/UL 62368-1; FCC/ICES/CISPR/VCCI; CE Marking; China CCC/SRRC; Taiwan BSMI/NCC; Korea KCC/KC/KES; Ukraine NSoC/TEC; EAEU Compliance; Saudi Arabian Compliance; Low blue light; WW RoHS |
| Sustainable impact specifications | Low halogen; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; 20% post-consumer recycled plastic; Ocean-bound plastic in speaker enclosure(s); At least 35% recycled metal ^{38,39,40,41,42} |
| Warranty | 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 . |



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Footnotes

Messaging Footnotes

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 11 is automatically updated, which is always 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> .

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. AMD's numbering is not a measurement of clock speed.

³ 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. Potential NPU inferring performance varies by use, configuration, and other factors.

⁴ Requires HP app and Windows OS. 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.

⁵ Requires Windows 10 or higher. For supported HP PCs with the latest HP Endpoint Security Controller (Gen 5). See <https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA8-3644ENW> .

⁶ The HP Device Life Extension capability is for HP commercial PCs. HP Certified partners will perform functional diagnostics, data removal, interior and exterior cleaning, enhance device performance, reimaging, and conduct platform updates. This service is available as a Care Pack when it is sold with new hardware or to existing devices by purchasing it within the existing Post Warranty eligibility window. See datasheet for complete details.

⁷ May require Windows Update or app download from the Microsoft Store. Microsoft Copilot is NOT available in China, Russia, Belarus, and embargoed regions Cuba, Iran, North Korea, Crimea.

⁸ Smart Sense requires the HP app and Windows 11 OS. Features may vary by platform.

⁹ Adaptive Dimming only functions when the camera shutter is open.

¹⁰ 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.

¹² Optional feature must be configured at time of purchase.

¹⁴ Onlooker detection only functions when the camera shutter is open.

¹⁵ HP AI Companion is available preloaded on select HP Next Gen AI PCs or is available for download from the Microsoft store and 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. 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. "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. Spotlight and voice capability are features within HP AI Companion. Expected availability in Spring 2025. Availability varies by region.

Specification Footnotes

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 <http://www.windows.com> .

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. AMD's numbering is not a measurement of clock speed.

³ Max Boost clock frequency performance varies depending on hardware, software and overall system configuration.

⁴ 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. Potential NPU inferring performance varies by use, configuration, and other factors.

⁵ Due to the non-industry standard nature of some third-party memory modules, we recommend HP branded memory to ensure compatibility. If you mix memory speeds, the system will perform at the lower memory speed.

⁶ 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.

⁷ Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.11BE) functionality requires Windows 11 24H2, 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.

⁸ Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.

⁹ USB 20Gbps speed is not available with Thunderbolt™ 4.

¹⁰ Wide Ultra XGA (WUXGA)/2K content required to view WUXGA/2K images.

¹¹ Resolutions are dependent upon monitor capability, and resolution and color depth settings.

¹² Actual brightness will be lower with touchscreen.

¹³ All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

¹⁴ For new batteries, actual battery Watt-hours (Wh) may differ from the design capacity and may have a full charge capacity that differs by up to 10, which is typical for lithium-ion batteries. Battery capacity naturally decreases over time and with use, depending on several factors such as battery health management settings, shelf life, temperature, environment, loaded apps, features, system configuration, and power settings.

¹⁵ Recharges up to 50% within 30 minutes when the system is off or in standby mode when used with the power adapter provided with the notebook. 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 90% capacity, charging speed will return to normal. Charging time may vary +/-10% due to System tolerance.

¹⁶ HP Services Scan is provided with Windows Update on select products and will check entitlement on each hardware device to determine if an HP TechPulse-enabled service has been purchased, and will download applicable software automatically. HP TechPulse is a telemetry and analytics platform that provides critical data around devices and applications. For full system requirements or to disable this feature, please visit <http://www.hpdaas.com/requirements> . Not applicable in China.

¹⁷ HP Support Assistant is available on Windows. For more information, please visit www.support.hp.com/help/hp-support-assistant .

¹⁸ Poly Lens requires a Windows OS.

¹⁹ HP Client Management Script Library (<https://www.hp.com/us-en/solutions/client-management-solutions.html#tab=manageability-tools>).

²⁰ HP Driver Packs not preinstalled, however available for download at <http://www.hp.com/go/clientmanagement> .

²¹ HP Image Assistant (<https://ftp.ext.hp.com/pub/caps-softpaq/cmit/HPIA.html>).

²² HP Manageability Integration Kit can be downloaded from <https://www.hp.com/us-en/solutions/client-management-solutions.html#tab=manageability-tools> .

²³ 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.

²⁴ HP Sure Click requires Windows 10 and higher. See <https://bit.ly/2PrLT6A>, SureClick for complete details.

²⁵ 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.

²⁶ HP Sure Run is available on select HP PCs and requires Windows 10 and higher.

²⁷ 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.

²⁸ HP Sure Start is available on select HP PCs and requires Windows 10 and higher.

²⁹ HP Tamper Lock must be enabled by the customer or your administrator.

³⁰ Absolute 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/>

³¹ HP Fingerprint Sensor is an optional feature that requires Windows 10 or 11 and must be configured at purchase.

³² Depending on the version available for your device and the setting you select, HP Battery Health Manager (BHM) will use a proprietary set of algorithms to optimize battery health during the life of the battery. New Commercial Notebooks come equipped with BHM set to "Let HP Manage My Battery Health" as the default. This setting will reduce charge capacity over time to optimize battery health and mitigate factors that can accelerate battery degradation. As a result of this reduction, battery runtime will decrease over time as available charge capacity is reduced. HP may, at any time, update HP Battery Health Manager to improve available settings, functionality, and performance. Refurbished products may have customized default settings to optimize user experience. For additional information on updating or modifying HP Battery Health Manager settings, please go to HPCOM/SUPPORT/BATTERY .

³³ Availability may vary by country. 140W adapter is available only for India.

³⁴ Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.

³⁵ Lock is sold separately.

³⁶ HP Secure Erase for the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method.

³⁷ HP BIOSphere Gen6 is available on select HP Pro and Elite PCs. See product specifications for details. Features may vary depending on the platform and configurations.

³⁸ External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.

³⁹ Percentage of ocean-bound plastic contained in each component varies by product.

⁴⁰ 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.

⁴¹ Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.

⁴² Molded pulp cushions made from 100% recycled wood fiber and organic materials.

⁵⁶ 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.

⁵⁷ 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, ISO27017 and SOC2 Type2 certified for Information Security. Internet access is required. For full system requirements or to disable this feature, please visit <http://www.hpdaas.com/requirements> .

