HP EliteBook 6 G2a 14” Notebook Next Gen AI PC
HP EliteBook 6 G2a 16” Notebook Next Gen AI PC

Key Experiences and Product Spec



Robust performance and security, ready to scale AI efficiency across enterprise and tech-forward SMBs.

Key Product Experiences

- **Accelerate productivity with local AI performance:** Modern professionals tap into creativity through AI tools. Crush your to do list with the EliteBook 6 G2a Next Gen AI PC[1] featuring the latest AMD processor[2] with an up to 50 TOPS NPU[3] to handle AI-enhanced workloads, intelligent collaboration, and streamlined experiences.
- **Designed to support how and where you work:** IT teams want a device that’s durable and easy to deploy, manage, and secure. The HP EliteBook 6 G2a Next Gen AI PC meets MIL-STD 810H standards[4], supports broad configurations, and integrates seamlessly into enterprise environments.
- **Protection before the threat.** HP Wolf Security for Business[5] creates a hardware-enforced defense. It detects and self-heals BIOS attacks and helps fight ransomware and phishing attacks. It's a future-ready investment in protection against quantum computing attacks.[6]
- **Help protect our shared future.** The HP EliteBook 6 G2a is designed using 50% recycled aluminum[7] in the external covers and 50% post-consumer recycled plastic[8,9] in the keycaps. It is ENERGY STAR® certified and EPEAT Climate+™ Gold Registered in the U.S.[10]

Product Specs:

Operating System	Windows 11 Pro[45]
Processor(s)	AMD® Ryzen™ 5 Pro/non-Pro[2] AMD® Ryzen™ 7 Pro/non-Pro[2] (NPU up to 50 TOPS)[3]
Graphics	Integrated: AMD Radeon™ Graphics
Memory	12GB/16GB/24GB/32GB/48GB/64GB DDR5-5600 MT/s[11]
Internal Storage	256GB up to 1TB PCIe® Gen4 NVMe™ M.2 SSD Value[12] 512GB up to 2TB PCIe® Gen5 NVMe™ M.2 SSD Value[12] 256GB PCIe® Gen4 NVMe™ M.2 SED OPAL2 SSD Value[12] 512GB PCIe® Gen5 NVMe™ M.2 SED OPAL2 SSD Value[12] 1TB PCIe® Gen5x4 NVMe™ M.2 SED OPAL2 SSD[12]
Display	**14":** 14" diagonal, WUXGA (1920 x 1200), UWVA, Anti-Glare, WLED, 300 nits, sRGB 62.5%, low power, LCD Panel 14" diagonal, WUXGA (1920 x 1200), touch[13], UWVA, Anti-Glare, WLED, 300 nits, sRGB 62.5%, low power LCD Panel 14" diagonal, WUXGA (1920 x 1200), UWVA, Anti-Glare, OLED + Low Blue Light, 300 nits, DCI-P3 95%, OLED Panel 14" diagonal, WUXGA (1920 x 1200), UWVA, Anti-Glare, WLED + Low Blue Light, 400 nits, sRGB 100%, low power, LCD Panel 14" diagonal, WUXGA (1920 x 1200), UWVA, Anti-Glare, Low Blue Light, 800 nits, sRGB 100%, Sure View 6[14] LCD Panel 14" diagonal, 2.5K (2560 x 1600), 120Hz (VRR), UWVA, Anti-Glare, WLED + Low Blue Light, 400 nits, DCI-P3 100% + Adobe 100%, LCD Panel **16":** 16" diagonal, WUXGA (1920 x 1200), UWVA, Anti-Glare, WLED, 300 nits, sRGB 62.5%, LCD Panel 16" diagonal, WUXGA (1920 x 1200), touch[13], UWVA, Anti-Glare, WLED, 300 nits, sRGB 62.5%, LCD Panel 16" diagonal, WUXGA (1920 x 1200), UWVA, Anti-Glare, OLED + Low Blue Light, 300 nits, DCI-P3 95%, OLED Panel 16" diagonal, WUXGA (1920 x 1200), UWVA, Anti-Glare, WLED + Low Blue Light, 400 nits, sRGB 100%, low power, LCD Panel 16" diagonal, WUXGA (1920 x 1200), UWVA, Anti-Glare, Low Blue Light, 800 nits, sRGB 100%, Sure View 6[14] LCD Panel 16" diagonal, 2.5K (2560 x 1600), 120Hz (VRR), UWVA, Anti-Glare, WLED + Low Blue Light, 400 nits, DCI-P3 100% + Adobe 100%, LCD Panel
Webcam	FHD HDR camera, 5MP HDR camera with Image Signal Processing (ISP) and AI Presence Detection + IR[11]
Audio	Audio by Poly Studio, dual stereo speakers, dual microphones enhanced by AI noise reduction[15]
Input Devices	HP Standard Keyboard – spill-resistant with optional backlit keyboard[11] and Durakeys; Clickpad with multi-touch gesture support, Microsoft Precision Touchpad
Input/Connectivity	Right side: 1 x USB Type-A 5Gbps signaling rate (Powered)[16]; 1 x Security lock slot; 1 x Nano SIM card slot (optional)[11], 1 x RJ-45 Left side: 2 x Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1); 1 x USB Type-A 5Gbps signaling rate (Powered); 1 x HDMI 2.1[17]; 1 x headphone/mic combo jack; 1 x Smartcard reader (optional)[11].

Wireless technology	Mediatek RZ616 Wi-Fi 6E[43] and Bluetooth® 5.3 AIM-T wireless card; Mediatek MT7925 Wi-Fi 7[42] and Bluetooth® 6 wireless card; Mediatek MT7925 Wi-Fi 7[42] and Bluetooth® 6 AIM-T wireless card Optional: HP Module with NXP NFC Controller NPC300 I2C NCI[11]; Becks RW220-GL LTE (Low Power) (CAT-1bis); HP 5G Solution HP Go[18,19,20]
Power & Battery	HP 100W Wall Mount USB Type-C® GaN Halogen Free AC power adapter[11] HP 65W Wall Mount USB Type-C® GaN Halogen Free AC power adapter[11] HP 65W Standard USB Type-C® GaN Halogen Free AC power adapter[11] HP Long Life 3-cell, 56Wh polymer; HP Long Life 3-cell, 68Wh polymer[44]
Weight and Dimensions	**14":** Starting at 1.4 kg, 3.09 lb with 56Wh battery (Weight will vary by configuration. Does not include power adapter.)[21] 318.6 mm (W) x 224.35 mm (D) x 10.9mm (front)/17mm (rear). Maximum height 19.9mm[22] 12.54 in (W) x 8.83 in (D) x 0.43 in (front) / 0.67 in (rear). Maximum height: 0.78 in **16":** Starting at 1.735 kg, 3.83 lb (Weight will vary by configuration. Does not include power adapter.)[21] 359.4 mm (W) x 251 mm (D) x 10.9mm (front)/17mm (rear). Maximum height 19.9mm[22] 14.15 in (W) x 9.88 in (D) x 0.43 in (front) / 0.67 in (rear). Maximum height: 0.78 in
Color	Glacier Silver
Software	Buy Microsoft Office (Sold Separately); Edge Customization; 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; HP Smart Support; HP Support Assistant; HSA Fusion for Commercial; HSA Telemetry for Commercial; HP App; Poly Lens
Security & Manageability	Secured-Core PC Enable; Windows Hello Enhanced Sign-In Security (ESS); HP Wolf Security for Business[5], HP Sure Admin[24]; HP Sure Click[25]; HP Sure Recover[26]; HP Sure Run[27]; HP Sure Sense[28]; HP Sure Start[29]; HP Tamper Lock[30]; TPM 2.0 embedded security chip (Common Criteria EAL4+ and FIPS 140-2 Level 2 Certified); Absolute Persistence Module; Audio Permanent Disable; BIOS Update via Network; HP BIOS Recovery; HP BIOSphere[31]; HP DriveLock & Automatic DriveLock; HP Secure Erase; HP Wake on WLAN; Optional HP Fingerprint Sensor[11] HP Client Catalog (download); HP Client Management Script Library (download); HP Cloud Recovery; HP Connect for Microsoft Endpoint Manager[38]; HP Driver Packs (download); HP Image Assistant (download); HP Manageability Integration Kit (download)[32]; HP Power Manager with Battery Health Manager (download)
Sustainable Impact Specifications	At least 50% recycled aluminum[7], keycaps made with 50% post-consumer recycled plastic[8]; Speaker box with ocean-bound plastic[9]; 100% sustainably sourced packaging[33]; Bulk packaging available; Low Halogen[34]; ENERGY STAR certified; TCO Certified; Power Consumption Measurement[35]
Productivity and Tools	Copilot+ PC[36], HP IQ[37], HP Wolf Security for Business[5], Built-in HP Endpoint Security Controller (ESC)[39], Smart Sense[40], Onlooker Detection[41] with auto Sure View[14]

Disclaimers:

1. Next Gen AI PC with 40+ TOPS NPU to enable local AI processing.
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, branding and/or naming is not a measurement of higher performance.
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. 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.
5. 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.
6. Based on HP's internal analysis of business PCs with preinstalled encryption, authentication, malware protection, BIOS-level protection and passing MIL-STD testing, finding that no other in-class PC implements a quantum-resistant cryptographic scheme to protect the integrity of UEFI BIOS firmware as of February 2024.
7. 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.
8. Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 EPEAT standard
9. 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.
10. EPEAT tier levels may vary by country. See www.epeat.net for registration status and tier levels by country.
11. Optional feature must be configured at time of purchase.
12. For storage drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows) is reserved for system recovery software.
13. Touch will reduce actual brightness.
14. HP Sure View integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.
15. Requires the HP application and Windows OS.
16. Actual throughput may vary.
17. HDMI 2.1 Support resolution up to 4K @60 Hz
18. HP GO is optional and must be configured at time of purchase.
19. 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
20. 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.
21. Actual weight will vary by configuration.
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. N/A
24. HP Sure Admin requires Windows 10 and HP BIOS
25. HP Sure Click requires Windows 10 and higher. See https://bit.ly/2PrLT6A_SureClick for complete details.
26. 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 Wi-Fi Module.
27. HP Sure Run is available on select HP PCs and requires Windows 11.

28. HP Sure Sense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS.
29. HP Sure Start is available on select HP PCs and requires Windows 10 Pro and higher
30. HP Tamper Lock requires a supervisor password be established prior to use.
31. 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.
32. HP Manageability Integration Kit can be downloaded from http://www8.hp.com/us/en/ads/clientmanagement/overview.html
33. 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.
34. External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
35. 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 HP app 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.
36. 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
37. HP IQ delivery app is preloaded on select HP PCs; it will be automatically updated to the future featured HP IQ application if you have auto updates enabled in Windows or will be available for download from the Microsoft Store. The future featured HP IQ app uses artificial intelligence. Features vary by configuration. For complete details see https://support.hp.com/us-en/document/ish_13696672-13696717-16 .Device compatibility and availability subject to change without notice. Product compatibility may vary at launch. HP IQ feature set will vary by configuration.
38. 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.
39. Requires Windows 10 or higher. For supported HP PCs with the latest HP Endpoint Security Controller. See https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA8-3644ENW.
40. Smart Sense requires myHP and Windows 11 OS. Features may vary by platform.
41. Requires Windows OS and an ISP+ camera that must be configured at time of purchase.
42. 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.
43. Wi-Fi® supporting gigabit data rate is achievable with Wi-Fi 6E (802.11ax) when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 160MHz channels.
44. 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.
45. 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.