HP EliteBook 6 G2a 16 inch Notebook Thin Client

Secure mobility meets design and cloud-first simplicity.

Tackle business-critical workloads on a sharp, spacious screen with the HP EliteBook 6 G2a 16-inch Notebook Thin Client, offering relentless AMD speed and highly secure cloud solutions in a premium design for seamless manageability without complexity.

Crafted for diverse, critical, and cloud-first workforces.

HP EliteBook 6 G2a Thin Client infuses diverse, business-critical workflows with reliable speed and available DDR5 memory[2], combining long battery life and optional 5G[3] connections to help hybrid teams multitask and collaborate on the go.

Simplify IT intervention with highly secure endpoints.

Equip critical, cloud-first teams with the HP EliteBook 6 G2a Thin Client with your choice of Windows IoT ENT LTSC[2] or read-only ThinPro OS[4], and Wolf CEM[5] for fleet management built to boost security and reduce IT overhead.

Top-to-bottom protection in a stylized form.

Offers flexibility to meet different security requirements for end-to-end protection, using HP Wolf Security[6] with tools like HP Sure Start, optional HP Sure View 6[2], and Tamper Lock[7]—each layer is designed to help keep sensitive data safe.



*Product image may differ from actual product

Sustainability in action

Help protect our shared future.

The HP EliteBook 6 G2a chassis is designed using 50% recycled aluminum[8] in the external covers and 50% post-consumer recycled plastic[9] in the keycaps. It is ENERGY STAR® certified[10] and EPEAT Climate+ Gold registered.[11]

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Featuring

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Choose the best OS for your business
Adapt to your organization's unique needs with your choice of operating systems—Windows IoT or HP ThinPro for a simplified OS that lets you optimize workflows and establish ultra-secure cloud endpoints for your business environment.[4]

Commanding AMD processor
Take on your heavy workload and daily tasks with an efficient and reliable AMD processor that provides a highly responsive experience that enables productivity and seamless collaboration.[1]

Edge-to-edge endpoint control from anywhere.
HP Wolf Cloud Endpoint Manager empowers IT to orchestrate their Cloud Client fleet from anywhere, providing complete management for thousands of devices. It's secure, user-friendly, and designed for hybrid work environments.[5]

Encrypt your credentials with layered authentication
Deploy a physical layer of security with optional fingerprint sensor or HP Smart Card Reader using encrypted smart cards in two-factor authentication—strong identity verification tools for government, healthcare, and enterprise sectors.[2]

Encrypt your credentials with layered authentication.
Enable effective collaboration for hybrid teams through robust and productive meeting experiences with support for Zoom, Microsoft Teams, and more. Listen using dual studio-tuned speakers, and show up clear with optional 5MP or HD camera.[2]

Configure your connection with WiFi 6E, WiFi 7, or 5G.
Configure your PC with the best wireless option for your needs—WiFi 6E for more spectrum and stable performance today, WiFi 7 for wider channels and lower latency, or available 5G connectivity—so your device is ready for what's next.[2,3,12,13]

Select a battery that best fits your needs.
Choose between a 56Whr and 68Whr HP Long-life battery to achieve a reliable balance of performance, weight, and extended battery life on this mobile thin client.[2]

Brilliant display versatility for unique workflow needs.
Choose from 16:10 screen options including stunning OLED panel at 300 nits and DCI-P3 color coverage for true-to-life visuals, LCD panel at 400 nits, 800 nits Sure View 6 privacy panel for secure public viewing, or a WLED touch screen.[2,14]

Present professionally-from anywhere.
Capture your image and your audience on virtual meetings and conference calls with available 5MP+IR or FHD camera, delivering crisp, clear video in varied environments and a built-in privacy shutter for peace of mind.[2]

Fast, flexible charging designed for hybrid workspaces.
Choose how you power up—100W USB-C® wall-mount adapter for clutter-free workspaces, or 65W USB-C® available in wall-mount or standard. Enjoy fast charging and global compatibility in a travel-ready form that keeps hybrid teams plugged in.[2]

Keep visual hackers at bay.
Stop shoulder surfers in their tracks with optional HP Sure View that you can quickly activate with one keystroke. When activated, Sure View reduces visual light making it unreadable when the screen is viewed from the side.[15]

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]

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Technical specifications

Available Operating Systems	Windows 11 IoT Enterprise 2024 LTSC[1] HP ThinPro[10] HP Smart Zero Core[10] FreeDOS
Processor family	AMD Ryzen™ 5 processor AMD Ryzen™ 3 processor
Available Processors[2,3,4]	AMD Ryzen™ 5 230 (up to 4.9 GHz max boost clock, 16 MB L3 cache, 6 cores, 12 threads) with AMD Radeon™ Graphics and AMD Ryzen™ AI (16 NPU TOPS) AMD Ryzen™ 5 220 (3.2 GHz base clock, up to 4.9 GHz max boost clock, 16 MB L3 cache, 6 cores, 12 threads) with AMD Radeon™ Graphics AMD Ryzen™ 3 210 (up to 4.7 GHz max boost clock, 8 MB L3 cache, 6 cores, 12 threads) with AMD Radeon™ 740M Graphics
Neural Processing Unit	AMD Ryzen™ AI[4]
Product colour	Pike silver
Aspect ratio	16:10
Maximum memory	16 GB DDR5-5600 MT/s; (Transfer rates up to 5600 MT/s.) Both slots are accessible/upgradeable by IT or self-maintainers only. Supports dual channel memory.[5]
Memory slots	2 SODIMM
Internal storage	256 GB PCIe® NVMe™ Value SSD[6]
Display size (diagonal, metric)	40.6 cm (16")
Display[13,14,15,16]	16" diagonal, WUXGA (1920 x 1200), touch, IPS, anti-glare, 300 nits, 62.5% sRGB; 16" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 300 nits, 62.5% sRGB; 16" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 800 nits, 100% sRGB, HP Sure View 6 integrated privacy screen with HP Eye Ease; 16" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 400 nits, low power, 100% sRGB with HP Eye Ease; 16" diagonal, WUXGA (1920 x 1200), OLED, IPS, anti-glare, 300 nits, 100% DCI-P3 with HP Eye Ease 40.6 cm (16") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 300 nits, 62.5% sRGB; 40.6 cm (16") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 800 nits, 100% sRGB, HP Sure View 6 integrated privacy screen with HP Eye Ease; 40.6 cm (16") diagonal, WUXGA (1920 x 1200), touch, IPS, anti-glare, 300 nits, 62.5% sRGB; 40.6 cm (16") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 400 nits, low power, 100% sRGB with HP Eye Ease; 40.6 cm (16") diagonal, WUXGA (1920 x 1200), OLED, IPS, anti-glare, 300 nits, 100% DCI-P3 with HP Eye Ease
Available Graphics	Integrated: AMD Radeon™ Graphics (Support HDMI 2.1 (up to 4K 60Hz).)
Audio	Audio by Poly Studio, dual stereo speakers, dual microphones enhanced by AI noise reduction
Ports and connectors	1 HDMI 2.1; 1 stereo headphone/microphone combo jack; 1 RJ-45; 1 nano security lock slot; 2 USB Type-A 5Gbps signaling rate (powered); 2 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1)[12] ; (HDMI cable sold separately.); Optional Ports: 1 Smartcard reader (optional); 1 nano SIM[13]
Input devices	Spill-resistant keyboard with Durakeys; Spill-resistant, backlit keyboard with DuraKeys[51]; Clickpad with multi-touch gesture support, taps enabled as default; Thermal sensor; HP Tamper Lock; Hall effect sensor
Communications	Realtek RTL8111EPP 1 GbE Ethernet Controller[13] ; MediaTek Wi-Fi 6E RZ616 (2x2) and Bluetooth® 5.3 wireless card; MediaTek Wi-Fi 7 MT7925 (2x2) and Bluetooth® 6.0 wireless card ; HP R15 5G Solution ; NFC Mirage WNC XRAV-1[7,8,13]
Camera	FHD camera (select models); 5 MP HDR camera with Image Signal Processing (ISP) [13]
Software	Poly Lens Web[32]
Security management	HP TPM Configuration Utility[36]; Windows Hello Enhanced SIgn-in Security (ESS) Enable; HP Sure Admin[37]; HP Wolf Security for Business includes: HP Sure Start, HP Secure Erase[42,46]; HP Tamper Lock[43]; Absolute Persistence Module[44]; BIOS Update via Network; HP Platform Certificate; HP Wake on WLAN
Fingerprint reader	Fingerprint sensor (select models)

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Management features	HP Wolf Cloud Endpoint Manager; HP Device Manager; HP Smart Shell; HP Thin Update; HP Easy Update; HP User State Tool; HP USB Port Manager; HP Write Filter; HP Hotkey Filter
Power	HP 100 W wall mount USB Type-C® GaN power adapter; HP 65 W wall mount USB Type-C® GaN power adapter; HP 65 W USB Type-C® GaN power adapter[13,19]
Battery type	HP Long Life 3-cell, 56 Wh Li-ion polymer; HP Long Life 3-cell, 68 Wh Li-ion polymer[13,17]; Battery is internal. Serviceable by warranty. Fast charging 50% in 30 minutes.[18]
Dimensions	12.54 x 8.83 x 0.43 in (minimum front); 12.54 x 8.83 x 0.67 in (minimum rear); 12.54 x 8.83 x 0.45 in (maximum front); 12.54 x 8.83 x 0.69 in (maximum rear); 31.86 x 22.43 x 1.1 cm (minimum front); 31.86 x 22.43 x 1.7 cm (minimum rear); 31.86 x 22.43 x 1.15 cm (maximum front); 31.86 x 22.43 x 1.75 cm (maximum 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.)[52]; Maximum Height: 0.78 in; 2 cm
Weight	Starting at 3.09 lb; Starting at 1.4 kg; (Weight will vary by configuration. Does not include power adapter.)
Ecolabels	EPEAT Gold with Climate+[49]
Energy star certified	ENERGY STAR® certified
Certification and compliance	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; MIL-STD 810H

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Footnotes

Messaging Footnotes

[12] Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, to function in the 6 GHz 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.
[13] 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.
[14] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
[15] 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.
[1] 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.
[2] Optional features must be configured at time of purchase.
[3] HP 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.
[4] HP Thin Pro is configurable at purchase.
[5] Requires Windows 11 IoT Enterprise LTSC 2024 or later or HP ThinPro 8.1 Operating System or later on endpoint and Internet access. Visit https://www.hp.com/us-en/solutions/cloud-computing/thin-client-software.html for Terms of Service datasheet, feature listings and configuration requirements as they become available.
[6] 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.
[7] HP Tamper Lock requires a supervisor password be established prior to use.
[8] 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.
[9] Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 EPEAT standard.
[10] ENERGY STAR® certified products meet strict energy efficiency guidelines set by the U.S. Environmental Protection Agency. ENERGY STAR® and the ENERGY STAR® logo are registered trademarks of the U.S. Environmental Protection Agency.
[11] Based on US registration according to EPEAT criteria and EPEAT Climate+, status and tier level varies by country. Visit http://www.epeat.net for more information.

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. 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 inferencing 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 32 GB is reserved for system recovery software.
[7] 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. Available in countries where Wi-Fi 6E is supported. Wi-Fi 6E is designed to support gigabit data rate when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 80MHz and higher channels.
[8] Wi-Fi 7 requires a Wi-Fi 7 router, sold separately, to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 7 is backwards compatible with prior 802.11 specs. And available in countries where Wi-Fi 7 is supported. Wi-Fi 7 is designed to support gigabit data rate when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 80MHz and higher channels.
[9] Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.
[10] Not all features are available with HP ThinPro, Smart Zero Core, IGEL and No OS.
[12] USB 20Gbps signaling rate is not available with Thunderbolt™ 4. Actual throughput may vary.
[14] Resolutions are dependent upon monitor capability, and resolution and color depth settings. Actual brightness will be lower with touchscreen or Sure View.
[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] All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
[17] 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.
[18] 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.
[19] Availability may vary by country.
[20] Microsoft 365 sold separately and requires Internet access for activation.
[21] HP IQ delivery app is preloaded on select HP PCs; it will be automatically updated to the future featured HP IQ application with automatic updates enabled in the Microsoft Store app on your PC. The future featured HP IQ app uses artificial intelligence. Features vary by configuration.
[22] HP Services Scan automatically collects the telemetry necessary upon initial boot of the product to deliver device-level configuration data and health insights and is available preinstalled on select products, thru HP Factory Configuration Services; or it can be downloaded. For more information about how to enable HP Smart Support or for download, please visit http://www.hp.com/smart-support .
[23] HP Support Assistant is available on Windows. For more information, please visit http://www.support.hp.com/help/hp-support-assistant .
[24] MyHP requires Windows 10 or higher OS.
[25] Poly Studio Desktop requires a Windows OS.
[26] Requires Windows 11 and an NPU. Timing of feature delivery and availability varies by market and device. Requires Microsoft account to log in. Where Copilot in Windows is not available, the Copilot key will lead to the Bing search engine. See http://aka.ms/WindowsAIFeatures .
[30] HP Connect for Microsoft Endpoint Manager is available from the Azure Market Place for HP Pro, Elite, Z and Point-of-Sale PCs managed with Microsoft Endpoint Manager. Subscription to Microsoft Endpoint Manager required and sold separately. Network connection required.
[32] Poly Lens Web is supported on Windows IoT and ThinPro, Poly Len Desktop not supported with thin clients.
[33] HP Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement .
[34] HP Patch Assistant available on select HP PCs with the HP Manageability Kit that are managed through Microsoft System Center Configuration Manager. HP Manageability Integration Kit can be downloaded from http://www8.hp.com/us/en/ads/clientmanagement/overview.html .
[35] HP Power Manager with Battery Health can be downloaded by entering your system information here: https://support.hp.com/in-en/document/ish_4449597-3519507-16 .
[36] Secured-Core PC Enable requires an Intel® vPro®, AMD Ryzen™ Pro processor or Qualcomm® processor with SD850 or higher and requires 8 GB or more system memory. Secured-core PC is enabled from the factory.
[37] 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.
[38] HP Sure Click requires Windows 10 Pro or higher or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.
[40] HP Sure Run is available on select HP PCs and requires Windows 10 and higher.
[41] HP Sure Sense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS.
[42] HP Sure Start is available on select HP PCs and requires Windows 10 and higher.
[43] HP Tamper Lock can be Enabled/disabled by customers or IT administrator with administrator authority.
[44] Absolute Persistence 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/ .
[46] HP Secure Erase implements the methods outlined in the National Institute of Standards and Technology Special.
[47] HP Fingerprint Sensor is an optional feature and requires configuration at purchase.
[48] Lock is sold separately.
[49] EPEAT status and tier level varies by country. Visit http://www.epeat.net for more information.
[51] Backlit keyboard is an optional feature that must be configured at purchase.
[52] Typical dimension. Actual dimension may vary +/- 0.5mm. Height may vary based on configuration. Maximum Height does not include Rubber feet. Actual maximum product height may vary between 1.75 cm (0.69 in) and 2 cm (0.78 in) depending on the configuration/model.

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March 2026