HP EliteBook 6 G1q 14 inch Notebook Next Gen AI PC

Power your organization into the future with next-gen AI

Maximize productivity and performance on the highly configurable HP EliteBook 6 G1q 14 inch Next Gen AI PC. Leverage AI capabilities to streamline tasks, jumpstart creativity, and improve collaboration with virtual teams on a battery that lasts all day.[3,4]

Enjoy faster, smoother workflows with next-gen AI solutions

Offload more tedious tasks and spend more time introducing innovative ideas that move the needle with a 45 TOPS NPU.[3] HP AI Companion[5] delivers the power of instant insight across multiple documents with a simple drag, drop, and a question.

Next-gen AI powers collaboration experiences

Remove barriers to collaboration for global teams with this Copilot+ PC.[6] Live Captions,[7] Poly Studio tuned speakers, and Poly Cam Pro[8] allow for more natural and productive conversations.

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.[9] Use behavioral analysis with advanced AI techniques to block never-before-seen malware attacks with HP Sure Sense.[10]

*Product image may differ from actual product

Sustainability in action

Help protect our shared future

This HP EliteBook 6 G1q Next Gen AI PC is designed using up to 50% recycled aluminum in the external covers[11], 50% post-consumer recycled plastic in the keycaps[12], and the outer box packaging is 100% sustainably sourced and recyclable.[13]

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Featuring

HP Recommends Windows 11 Pro for business with Microsoft Copilot
Work anywhere without compromising on performance with Windows 11[1] and HP collaboration, security, and connectivity technology. Summarize and get relevant content recommendations with Microsoft Copilot.[14]

Lightning speeds
Ultra power-efficient Snapdragon™ processors provide lightning-fast speed and optimal battery life. Choose either the Snapdragon™ X Elite Platform[2] (12 core) or the Snapdragon™ X or X Plus Platform[2] (8 core) with a Hexagon™ NPU and Adreno™ GPU.[4]

Browse confidently
Help protect your PC from websites and read-only Microsoft Office and PDF attachments that contain malware, ransomware, or viruses with hardware-enforced security from HP Sure Click.[9]

HP Sure Sense
Malware is evolving rapidly beyond traditional antivirus capabilities. Protect your PC against never-before-seen attacks with HP Sure Sense, which combines behavioral analysis with advanced AI techniques to provide exceptional protection.[10]

Stay connected with HP Go
Discover HP Go[15], the easy to set up 5G cellular solution[16] for your PC. Enjoy seamless, out-of-the-box connectivity for effortless communication, collaboration, and creativity that utilizes the strongest stable connection available.

Collaboration through the NPU
Look your best on video calls without compromising battery life. Manage video controls for internal and external cameras with Poly Camera Pro.[8] Now Auto Framing, Spotlight, Background Blur, and virtual backgrounds save power running on the NPU.

Blur your screen with Onlooker Detection
Advanced sensors in the camera detect when someone is looking at your screen over your shoulder and sends a notification to blur your screen for privacy.[17]

Get the most out of your AI PC with HP AI Companion
Utilize HP AI Companion[5] to increase your productivity and keep you running at your best. This suite of generative AI tools finds relevant information, summarizes long articles, and generates content using your personal files to gain insights.

Connect with Live Captions
When you never miss a word, you never miss a beat. Live Captions turns spoken words in video calls or recordings into English subtitles in real time.[18]

Create with Paint Cocreator
Light your spark. Everyone has an imagination and an ability to be an artist. Describe or draw your vision with text or image prompts and watch Paint Cocreator generate an interpretation of it.

Engage your audience
No need for extra lights, expensive lenses, or sound-proof rooms. Windows Studio Effects automatically improves lighting and cancels noises during video calls—perfect for when presentation matters.

Enhanced predictive coverage
Limit interruptions with HP Premium+ Support, a smart service that alerts of potential device issues using predictive AI-powered insights, automation and proactive 24/7 support for our fastest diagnosis and repair—wherever work happens.[19,20]

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Technical specifications

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]
Processor family	Snapdragon® X Elite processor Snapdragon® X Plus processor Snapdragon® X processor
Available Processors	Snapdragon® X Elite X1E-78-100 (up to 3.4 GHz, 12 cores) with Qualcomm® Adreno™ Graphics and Qualcomm® Hexagon™ (45 NPU TOPS) Snapdragon® X Plus X1P-42-100 (up to 3.2 GHz, 6 MB L3 cache, 8 cores, 8 threads) with Qualcomm® Adreno™ Graphics and Qualcomm® Hexagon™ (45 NPU TOPS) Snapdragon® X X1-26-100 (up to 2.97 GHz, 6 MB L3 cache, 8 cores, 8 threads) with Qualcomm® Adreno™ Graphics and Qualcomm® Hexagon™ (45 NPU TOPS)
Neural Processing Unit	Qualcomm® Hexagon™ NPU[3]
Product colour	Pike silver
Maximum memory	64 GB LPDDR5X-8533 MT/s; (Transfer rates up to 8533 MT/s.) Memory soldered down.
Internal storage	256 GB up to 1 TB PCIe® NVMe™ M.2 SSD[4] 512 GB PCIe® Gen4x4 NVMe™ M.2 SED SSD TLC[4]
Display size (diagonal, metric)	35.6 cm (14")
Display[11,12,13,14]	14" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 400 nits, low power, 100% sRGB with HP Eye Ease; 14" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 800 nits, 100% sRGB, HP Sure View 5 integrated privacy screen with HP Eye Ease; 14" diagonal, WUXGA (1920 x 1200), touch, IPS, anti-glare, 300 nits, low power, 62.5% sRGB; 14" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 300 nits, low power, 62.5% sRGB; 14" diagonal, 2.5K (2560 x 1600), IPS, 120 Hz, anti-glare, 400 nits, 100% Adobe RGB and 100% DCI-P3 with HP Eye Ease 35.6 cm (14") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 400 nits, low power, 100% sRGB with HP Eye Ease; 35.6 cm (14") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 800 nits, 100% sRGB, HP Sure View 5 integrated privacy screen with HP Eye Ease; 35.6 cm (14") diagonal, WUXGA (1920 x 1200), touch, IPS, anti-glare, 300 nits, low power, 62.5% sRGB; 35.6 cm (14") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 300 nits, low power, 62.5% sRGB; 40.6 cm (16") diagonal, 2.5K (2560 x 1600), IPS, 120 Hz, anti-glare, 400 nits, 100% Adobe RGB and 100% DCI-P3 with HP Eye Ease
Available Graphics	Integrated: Qualcomm® Adreno™ GPU (Support DX12 and HDMI 2.1.)
Audio	Audio by Poly Studio, dual stereo speakers, dual array microphones
Ports and connectors	2 USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4); 1 HDMI 2.1; 1 stereo headphone/microphone combo jack; 1 RJ-45; 1 security lock slot; 1 USB Type-A 5Gbps signaling rate (charges with power-on); 1 USB Type-A 5Gbps signaling rate (charges with power-off)[9]
Input devices	Spill-resistant, with numeric keypad, optional backlit keyboard and DuraKeys[51]; Clickpad with multi-touch gesture support, taps enabled as default; Microsoft Precision Touchpad; Thermal sensor; Hall effect sensor[10]
Communications	(Compatible with Miracast-certified devices.[7]); ; Integrated Realtek RTL8111HSH-CG GbE ; Qualcomm® FastConnect™ 7800 Wi-Fi 7 (2x2) High Band Simultaneous (HBS) and Bluetooth® 5.4 wireless card; Qualcomm® FastConnect™ 6900 Wi-Fi 6E (2x2) and Bluetooth® 5.3 wireless card ; Qualcomm® Snapdragon™ X72 5G Solution; Qualcomm® Snapdragon™ X72 5G HP Go Solution
Camera	1080p FHD camera; 5 MP IR camera (select models) [10]
Software	Buy Microsoft Office (sold separately); Edge Customization; HP AI Companion; HP Hotkey support; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Settings; myHP; HSA Fusion for Commercial; Poly Lens[19]; Poly Camera Pro
Security management	Secured-Core PC Enable; Windows Hello Enhanced Sign-in Security (ESS) Enable; HP Sure Click[26]; HP Sure Sense[27]; TPM 2.0 Embedded Security Chip (Common Criteria EAL4+ Certified) (FIPS 140-2 Level 2 Certified); HP BIOS Recovery; BIOS Update via Network; HP BIOSphere Gen6[28]; HP DriveLock and Automatic DriveLock; HP Wake on WLAN
Security Software Licenses	HP Wolf Pro Security Edition[56]
Fingerprint reader	Fingerprint sensor (select models)

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Management features	HP Client Catalog (download)[20]; HP Client Management Script Library (download)[21]; HP Cloud Recovery[22]; HP Connect for Microsoft Endpoint Manager; HP Driver Packs (download)[23]; HP Image Assistant (download)[24]; HP Manageability Integration Kit (download)[25]
Memory card device	1 nano SIM (optional)
Power	65 W USB Type-C® adapter; HP 65 W USB Type-C® Halogen-free adapter[17]
Battery type	HP Long Life 3-cell, 56 Wh Li-ion polymer; HP Long Life 3-cell, 48 Wh Li-ion polymer[15]; Battery is internal and not replaceable by customer. Serviceable by warranty. Fast charging 50% in 30 minutes.[16]
Battery life	Up to 24 hours and 45 minutes[29]
Dimensions	12.54 x 8.83 x 0.43 in (front); 12.54 x 8.83 x 0.67 in (rear); 31.86 x 22.43 x 1.09 cm (front); 31.86 x 22.43 x 1.7 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 3.17 lb; Starting at 1.44 kg; (Weight will vary by configuration. Does not include power adapter.)
Ecolabels	EPEAT® registered configurations available; TCO Certified configurations available; EPEAT® Gold registered in the U.S.[18]
Energy star certified	ENERGY STAR® certified
Certification and compliance	CECP; 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
Sustainable impact specifications	Low halogen; Bulk packaging available; 20% post-consumer recycled plastic; Ocean-bound plastic in speaker enclosure and system fan; 50% ocean-bound plastic; 50% recycled metal; 100% of HP paper-based packaging is from recycled or certified sustainable sources; Product Carbon Footprint
Warranty	1-year warranty and 90 day software limited warranty options depending on country. Batteries have a default one year limited warranty. Refer to http://www.hp.com/support/batterywarranty/ for additional battery information. 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] 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. Qualcomm's numbering is not a measurement of clock speed.
[3] Features and software 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. Performance varies by use, configuration, and other factors.11. Microsoft Copilot 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 Copilot is not available, the Copilot key will lead to the Bing search engine. See http://aka.ms/WindowsAIFeatures .
[4] Battery life based on video playback, 2.2k (2240 x 1400) resolution, 200 nits brightness, system audio level as image default, player audio level at 18%, played full-screen from local storage, headphone attached or through speaker (if no audio jack port), wireless on but not connected. Actual battery life will vary depending on configuration and maximum capacity will naturally decrease with time and usage.
[5] 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.
[6] 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.
[7] Currently supports translation for video and audio subtitles into English from 40+ languages. See https://aka.ms/nextgenaipcs .
[8] 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.
[9] HP Sure Click requires Windows 10 and higher. See https://bit.ly/2PrLT6A_SureClick for complete details.
[10] HP Sure Sense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS.
[11] 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.
[12] Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 EPEAT standard.
[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 .
[14] 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.
[15] 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. HP GO will be available in Spring 2025.
[16] 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.
[17] Onlooker detection is available on select models equipped with HP Sure View and only functions when the camera shutter is open.
[18] Currently supports translation for video and audio subtitles into English from 40+ languages. See https://aka.ms/nextgenaipcs .
[19] Predictive insights is only available with HP Premium+ Support. 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.
[20] HP Essential Support, HP Premium Support and HP Premium+ Support are available at the time of device purchase. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit www.hp.com/go/cpc. HP services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.

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] 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. Qualcomm'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 inferencing performance varies by use, configuration, and other factors.
[4] 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.
[5] 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.
[6] 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.
[7] Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.
[8] 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.
[9] Lock is sold separately.
[10] Optional feature must be configured at the time of purchase.
[11] Resolutions are dependent upon monitor capability, and resolution and color depth settings.
[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] Actual brightness will be lower with touchscreen or Sure View.
[14] All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
[15] 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.
[16] 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.
[17] Availability may vary by country.
[18] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.
[19] Poly Lens requires a Windows OS.
[20] HP Client Catalog not preinstalled, however available for download at: https://www.hp.com/us-en/solutions/client-management-solutions.html
[21] HP Client Management Script Library (https://www.hp.com/us-en/solutions/client-management-solutions.html#tab=manageability-tools).
[22] HP Cloud Recovery is available for Z by HP, HP Elite and Pro desktops and laptops PCs with Intel® or AMD processors and requires an open, network connection. Note: You must back up important files, data, photos, videos, etc. before use to avoid loss of data. Detail please refer to: https://support.hp.com/us-en/computer .
[23] HP Driver Packs not preinstalled, however available for download at http://www.hp.com/go/clientmanagement .
[24] HP Image Assistant not preinstalled, however available for download at: https://ftp.ext.hp.com/pub/caps-softpaq/cmit/HPIA.html
[25] HP Manageability Integration Kit not presintalled, however available for downloaded from https://www.hp.com/us-en/solutions/client-management-solutions.html#tab=manageability-tools
[26] HP Sure Click requires Windows 10 and higher. See https://bit.ly/2PrLT6A_SureClick for complete details.
[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 BIOSphere Gen6 features may vary depending on the platform and configuration.
[29] MobileMark 25 battery life will vary depending on various factors including product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See www.bapco.com for additional details.
[51] Backlit keyboard is an optional feature.
[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.

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September 2025