Datasheet

# HP EliteBook 8 G2a 16 inch Notebook Next Gen AI PC

## Expand your view. Accelerate AI workflows. Scale with ease.

Toggle less as you analyze and create with the large screen, profound performance, and local AI capabilities[3] of the HP EliteBook 8 G2a. Highly secure and easily managed this 16-inch HP Copilot+ PC[4] is the smart way to power your versatile workforce.

### Lightning-fast local AI performance

Command your day with AI-enhanced performance[3], smart automation, and seamless multitasking.

### Be seen. Be heard. Be the one they remember.

Join every meeting with confidence. Poly Camera Pro keeps you framed and distraction-free with smart background adjustments and spotlight.[6]

### Protection before the threat

HP Wolf Security for Business creates a hardware-enforced, always-on, resilient defense.[5]

*Product image may differ from actual product

## Sustainability in action

### Designed with purpose

The HP EliteBook 8 G2a AI PC is designed using 90% recycled magnesium in the outer A/C/D covers[7], 50% post-consumer recycled plastic in the keycaps[8], and comes in packaging with certified or recycled sources of paper.[9]

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## Featuring

### Lightning-fast local AI performance for demanding workflows
Work confidently with reliable, AI-enhanced productivity[3] wherever work takes you on the HP EliteBook 8 G2a—featuring an AMD Ryzen™ AI processor[2] and up to 50 TOPS NPU[3] for AI-enhanced speed, smart automation, and seamless multitasking.

### Cool and quietly powerful. Bold premium big screen design.
Handle complex tasks and multitasking without the hum of fans. HP Smart Sense[5] and advanced thermal design keep things cool and quiet, while the premium enterprise-focused design offers an expansive 16-inch display for serious work.

### Protection before the threat
HP Wolf Security for Business 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]

### Designed with purpose
The HP EliteBook 8 G2a AI PC is designed using 90% recycled magnesium in the outer A/C/D covers[7], 50% post-consumer recycled plastic in the keycaps[8], and comes in packaging with certified or recycled sources of paper.[9]

### 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 rewrite content, get relevant content recommendations, and stay organized with Microsoft Copilot.[10]

### Commanding AMD Ryzen™ AI processor
Accelerate your workflow and drive results with an AMD Ryzen™ AI processor[2] with an up to 50 TOPS NPU[3]—delivering AI-enhanced performance[3] and speed for today's demanding business workloads.

### Stay connected with HP Go
Discover HP Go[11], the easy to set up 5G cellular solution[12] for your PC. Enjoy seamless, out-of-the-box connectivity for effortless communication, collaboration, and creativity that utilizes the strongest stable connection available.

### Optimize PC performance
Work without distraction with HP Smart Sense[5] that keeps your PC whisper quiet under heavy workloads with consistent power and lets you enable performance mode when you need it most.

### Business-ready AI with real-world benefits
Charge once and unplug all day with devices that are 5X faster than 5-year-old Windows PCs.[13] Get the best video conferencing, exclusive AI features[4] and long battery life[14] on this Copilot+ PC.[4]

### Speed up the basics of IT management
Deploy the HP Manageability Integration Kit[15] to help speed up image creation and the management of hardware, BIOS, and security when managing devices through Microsoft Configuration Manager.

### Transform IT from cost center to business accelerator
The HP Workforce Experience Platform (WXP)[16] empowers IT teams with AI-powered insights and workflow automation, reducing digital friction.

### Protected by HP Wolf Security
HP Wolf Security for Business creates a hardware-enforced defense. It detects and self-heals BIOS attacks and helps fight ransomware and phishing and provides future-ready protection against quantum computing attacks.[6]

### One touch powers the PC and logs you in
Power up and log in with a single touch of the power key that combines the power button with an integrated fingerprint sensor enhancing both security and convenience.[17]

### 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.[20] Now Framing, Spotlight, Background Blur, and virtual backgrounds save power running on the NPU.

### 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]

# HP EliteBook 8 G2a 16 inch Notebook Next Gen AI PC

## Technical specifications

| | |
|---|---|
| Available Operating Systems | Windows 11 Pro[1]<br>Windows 11 Home – HP recommends Windows 11 Pro for business[1]<br>Windows 11 Home Single Language – HP recommends Windows 11 Pro for business[1]<br>Windows 11 Pro (Windows 11 Enterprise available with a Volume Licensing Agreement)[1]<br>FreeDOS |
| Processor family | AMD Ryzen™ AI 7 PRO processor<br>AMD Ryzen™ AI 5 PRO processor<br>AMD Ryzen™ AI 7 processor<br>AMD Ryzen™ AI 5 processor |
| Available Processors[2,3,4] | AMD Ryzen™ AI 7 PRO 450 (up to 5.1 GHz max boost clock, 16 MB L3 cache, 8 cores, 16 threads) with AMD Radeon™ 860M Graphics and AMD Ryzen™ AI (50 NPU TOPS); AMD Ryzen™ AI 5 PRO 440 (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 5 435 (up to 4.5 GHz max boost clock, 8 MB L3 cache, 6 cores, 12 threads) with AMD Radeon™ 840M Graphics and AMD Ryzen™ AI (50 NPU TOPS); AMD Ryzen™ AI 7 450 (up to 5.10 GHz max boost block, 16 MB L3 cache, 8 cores, 18 threads) with AMD Radeon™ 860M Graphics and AMD Ryzen AI™ (50 NPU TOPS); AMD Ryzen™ AI 5 PRO 435 (up to 4.5 GHz max boost clock, 8 MB L3 cache, 6 cores, 12 threads) with AMD Radeon™ 840M Graphics and AMD Ryzen™ AI (50 NPU TOPS) |
| Neural Processing Unit | AMD Ryzen™ AI[4] |
| Product colour | Glacier silver |
| Maximum memory | 64 GB DDR5-5600 MT/s; (Transfer rates up to 5600 MT/s.)<br>Both slots are accessible/upgradeable by IT or self-maintainers only. Supports dual channel memory.[5] |
| Memory slots | 2 SODIMM |
| Internal storage | 512 GB up to 2 TB PCIe® Gen5 NVMe™ M.2 SSD[6]<br>1 TB PCIe® Gen5x4 NVMe™ M.2 SED SSD[6]<br>256 GB up to 1 TB PCIe® NVMe™ M.2 SSD[6]<br>512 GB PCIe® Gen5 NVMe™ M.2 SED SSD[6]<br>256 GB PCIe® NVMe™ M.2 SED SSD[6] |
| Display size (diagonal, metric) | 40.6 cm (16") |
| Display[13,14,15,16] | 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, 2.5K (2560 x 1600), IPS, 120 Hz, anti-glare, 400 nits, 100% Adobe RGB and 100% DCI-P3 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, anti-glare, 300 nits, 100% DCI-P3 with HP Eye Ease |
| Available Graphics | Integrated: AMD Radeon™ Graphics<br>(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 nano security lock slot; 1 USB Type-A 5Gbps signaling rate (powered); 1 USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4); 2 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1)[12] ;<br>(HDMI cable sold separately.);<br>Optional Ports: 1 Smartcard reader (optional); 1 RJ-45 (optional); 1 nano SIM[13] |
| Input devices | HP Premium Keyboard – spill-resistant, full-size, backlit keyboard with DuraKeys; Clickpad with multi-touch gesture support; Microsoft Precision Touchpad; HP Sure Platform; Thermal sensor; HP Tamper Lock; Hall effect sensor[13,43]; Ambient light sensor |
| Communications | (Compatible with Miracast-certified devices.[9]); ;<br>Realtek RTL8111EPP 1 GbE Ethernet Controller[13] ;<br>MediaTek Wi-Fi 6E RZ616 (2x2) and Bluetooth® 5.3 wireless card; MediaTek Wi-Fi 7 MT7925 (2x2) and Bluetooth® 6.0 wireless card ;<br>HP RW220-GL LTE (Low Power) (CAT-1bis); HP R15 5G Solution; HP R15 5G Go Solution ;<br>NFC Mirage WNC XRAV-1[7,8,13] |
| Camera | 5 MP camera; 5 MP HDR camera with Image Signal Processing (ISP) and AI presence detection; IR camera [13] |
| Software | Buy Microsoft Office (sold separately)[20]; Edge Customization; HP Connection Optimizer; HP Hotkey support; HP IQ[21]; HP MAC Address Manager; HP Notifications; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Services Scan[22]; HP Support Assistant[23]; HSA Fusion for Commercial; HSA Telemetry for Commercial; HP App[24]; Poly Camera Pro; Poly Studio Desktop[25]; Copilot in Windows with Copilot key[26]; HP Smart Sense |
| Security management | Secured-Core PC Enable[36]; Windows Hello Enhanced Sign-in Security (ESS) Enable; HP Sure Admin[37]; HP Sure Click[38]; HP Sure Recover[39]; HP Sure Run[40]; HP Sure Sense[41]; HP Sure Start[42]; HP Tamper Lock[43]; Absolute Persistence Module[44]; Audio Permanent Disable; BIOS Update via Network; HP BIOSphere[45]; HP DriveLock and Automatic DriveLock; HP Secure Erase[46]; HP Wake on WLAN; Security lock slot[48] |
| Security Software Licenses | HP Wolf Pro Security Edition[56] |
| Fingerprint reader | Fingerprint reader (select models) |

# HP EliteBook 8 G2a 16 inch Notebook Next Gen AI PC

## Technical specifications

| | |
|---|---|
| Management features | HP Client Catalog (download)[27]; HP Client Management Script Library (download)[28]; HP Cloud Recovery[29]; HP Connect for Microsoft Endpoint Manager[30]; HP Driver Packs (download)[31]; HP Image Assistant (download)[32]; HP Manageability Integration Kit (download)[33]; HP Patch Assistant (download)[34]; HP Power Manager with Battery Health Manager (download)[35] |
| 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, 62 Wh Li-ion polymer; HP Long Life 8-cell, 77 Wh 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 | 35.9 x 25 x 1.15 cm (front); 35.9 x 25 x 1.55 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.)[52]; Maximum Height: 2.16 cm |
| Weight | Starting at 1.74 kg; (Weight will vary by configuration. Does not include power adapter.) |
| 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 |
| Sustainable impact specifications | At least 65% recycled metal; Product Carbon Footprint; HP paper-based packaging is from recycled or certified sources; At least 25% post-consumer recycled plastic; At least 30% ocean-bound plastic; Low halogen; Bulk packaging available; External power supply 90% efficiency |
| TCO certified | TCO Certified, generation 10[64] |
| EPEAT registered | EPEAT registered configurations available[49] |
| Warranty | 1-year warranty and 90 day software limited warranty options depending on country. HP Worldwide Limited Warranty for the battery is aligned with the warranty period of the HP Hardware Product. 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 . |

# HP EliteBook 8 G2a 16 inch Notebook Next Gen AI PC

## Accessories and services (not included)

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| HP 105 Sanitizable Mouse Pad | | Elevate your space with an anti-slip, durable, sanitizable[1], and spill-resistant mouse pad. With effortless gliding and pinpoint accuracy, this minimalist mouse pad maximizes movement to make the perfect accomplice to your favorite mouse.<br>**Product number: 8X595AA**<br>[1] Select household wipes can be safely used up to 1,000 wipes. See wipe manufacturer's instructions for disinfecting and the HP cleaning guide for HP tested wipe solutions at How to Clean Your HP Device Whitepaper (https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA7-7610ENW)<br>[2] Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 EPEAT® standard. |
| HP 725 Multi-Device Rechargeable Wireless Keyboard | | Work confidently with tech that keeps you productive, whenever and wherever. This thoughtfully-designed multi-device wireless keyboard works as hard as you do with ultra-fast charging supercapacitor technology, seamless connectivity, and customization.<br>**Product number: 9T5B2AA**<br>[1] Fast charging is based on USB Type-C ®-- 3.0 port (5V, 2.5A). The actual charging time may vary depending on the port type and environmental conditions. Usage life is an estimate and varies depending on many factors, including number of active, idle and asleep hours of use, number of applications running, environmental conditions, and features used; actual usage life will vary with usage and environmental condition.<br>[2] USB-C to USB-A adapter cable included. |
| HP Travel Plus 30L 17-inch Laptop Backpack | | Simplify your journey with one bag that meets all your travel needs. This durable, thoughtfully designed backpack keeps you organized—from packing through the airport and beyond. Multiple compartments enable easy access for airport security convenience.<br>**Product number: A2CE0AA**<br>[1] Fits most laptops up to 17 inches.<br>[2] Supplier tested for water resistance on exterior fabric coating. |
| HP Tilt Ergonomic Mouse 725M | | Tackle long hours with a mouse that makes you feel at ease, right away. Its semi-vertical tilt offers full-hand support, while dual wireless connectivity, fast vertical and horizontal scrolls, and quick charging keep you productive through the day.<br>**Product number: BH0Z5AA**<br>[1] Requires HP Accessory Center (HPAC) Software. HPAC available for free download in Microsoft Store.<br>[2] Fast charging is based on USB Type-C ®-- 3.0 port (5V, 2.0A), the actual charging time may vary depending on the port type and environmental conditions. |
| HP Portable USB-C 4K HDMI Hub | | Find more ways to connect, wherever you work, with this compact and reliable USB-C® 4K HDMI hub. Get five additional ports that support multiple devices and operating systems, and deliver power, so you can stay productive throughout the day.<br>**Product number: BR1U0UT**<br>[1] Power adapter not included. 90W or higher power adapter provides a maximum of 65W to the computer. 65W power adapter provides a maximum of 45W to the computer.<br>[2] Actual throughput may vary. |
| HP 100W GaN Wall Charger | | Power your day with the HP 100W GaN Wall Charger. Smaller, lighter,[6] and designed for efficient, safe charging,[5] it delivers reliable power for most USB-C® devices[10] and protects against surge, overcurrent, overvoltage, and overtemperature.<br>**Product number: CS9V7UT**<br>[1] Compliant with EU Lot7 power efficiency.<br>[2] Adaptive power output(15W/27W/75W/100W). |

# HP EliteBook 8 G2a 16 inch Notebook Next Gen AI PC

## 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. AMD'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.
[4] On some devices, some Copilot+ PC experiences require free updates continuing to roll out from Microsoft. 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.
[5] Smart Sense requires the HP app and Windows 11 OS. Features may vary by platform.
[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] 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] 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 print, industrial, and 3D products, scanners, personal systems accessories, and spare parts is not included.
[10] 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 .
[11] 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.
[12] 5G module is optional. WWAN-ready configuration must be selected at purchase to add WWAN module at a later date (WWAN After Market Option Kit). Module designed for 5G NR SA(standalone) and 5G NR NSA (non-standalone) Public and Private networks including 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 includes embedded eSIM. 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 and frequency bands supported.
[13] Based on Cinebench R20 Multi Core benchmark test conducted by Microsoft from June to September 2025.
[14] Battery life varies significantly by device and with settings, usage and other factors. See aka.ms/cpclaims .
[15] HP Manageability Integration Kit can be downloaded from http://www8.hp.com/us/en/ads/clientmanagement/overview.html .
[16] The Workforce Experience Platform (WXP) is available in various tiers and for multiple term license durations, and some features require optional add-on solutions. WXP is for commercial customers and 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. WXP is ISO27001, ISO27701, ISO27017 and SOC2 Type2 certified for Information Security. Activation and restrictions may apply. Select HP solutions require an HP Insights agent for Windows, Mac, & Android, available for download at https://workforceexperience.hp.com/software. For full system requirements and services that require the agent, please visit https://workforceexperience.hp.com/requirements. The agent collects telemetry and analytics around devices and applications that integrate into the Workforce Experience Platform. Internet access required. HP Vyopta license required for audio and video collaboration technology monitoring. HP Anyware license or compatible third-party virtual machine license required for virtual machine monitoring. Print capabilities are available to select beta customers in the US only. Print is planned to be available in a future release in various tiers as an add-on solution in various term licenses.
[17] Requires Windows OS and setup through Windows Hello.
[18] 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.
[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] 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] LPWAN (also called Mobile Narrowband) supports HP Protect & Trace with Wolf Connect service through the subscription term, but does not support mobile broadband use.
[11] 5G module is optional. WWAN-ready configuration must be selected at purchase to add WWAN module at a later date (WWAN After Market Option Kit). Module designed for 5G NR SA(standalone) and 5G NR NSA (non-standalone) Public and Private networks including 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 includes embedded eSIM. 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 and frequency bands supported.
[12] USB 20Gbps signaling rate is not available with Thunderbolt™ 4. Actual throughput may vary.
[13] Sold separately or as an optional feature.
[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 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_13696672-1369671-16 .
[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] HP App with Multicamera support for Mini Desktop PC will only available on 13th processor and beyond.
[25] Poly Studio Desktop requires a Windows OS.

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## Footnotes

### Specification Footnotes

[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 .
[27] HP Client Catalog not preinstalled, however available for download at (https://www.hp.com/us-en/solutions/client-management-solutions.html).
[28] HP Client Management Script Library (https://www.hp.com/us-en/solutions/client-management-solutions.html#tab=manageability-tools).
[29] 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/document/c05115630 .
[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.
[31] HP Driver Packs not preinstalled, however available for download at http://www.hp.com/go/clientmanagement .
[32] HP Image Assistant not preinstalled, however available for download at (https://ftp.ext.hp.com/pub/caps-softpaq/cmit/HPIA.html).
[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.
[39] 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. HP Sure Recover Gen6 with Embedded Reimaging is an optional feature on select HP PCs which requires Windows 10 or 11 must be configured at purchase. You must back up important files, data, photos, videos, etc. before use to avoid loss of data.
[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/ .
[45] HP BIOSphere features may vary depending on the platform and configuration.
[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] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit http://www.epeat.net for more information.
[50] Select SKUs of HP Commercial PC and workstations are configured for HP Go activation. HP Go service plan sold separately.
[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 1.89 cm (0.75 in) and 2.16 cm (0.85 in) depending on the configuration/model.
[56] HP Wolf Security for Business requires Windows 10 or 11 (Pro or Home) or higher, includes various HP security features and is available on HP X, Ultra, Pro, Elite, Engage and Workstation products. See product details for included security features.
[64] TCO Certified is a ISO 14024 Type 1 sustainability label for IT products. Compliance with all criteria is independently verified.

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