HP EliteStudio 8 All-in-One G1i 23.8 inch Desktop AI PC

Collaborate seamlessly with a sophisticated AiO design

Elevate your workspace with the elegantly designed HP EliteStudio 8 AiO G1i 24 AI PC. Built for immersive collaboration to enhances virtual meetings, it also delivers AI-enhanced performance with an Intel® Core™ Ultra processor[2] with an up to 13 TOPS NPU.[3]

Interoperability across HP AiO and notebook systems

Seamlessly connect your AiO to your notebook with optional Device Switch[4] to create a cohesive and efficient workspace. The HP EliteStudio 8 AiO G1i AI PC ensures smooth transitions and consistent performance across different HP devices, enhancing productivity.

Sophisticated design that elevates your workspace

Featuring a premium black and silver finish with a 3-sided near-borderless display the HP EliteStudio 8 AiO G1i AI PC offers flexibility with portrait and landscape orientations on an optional height adjustable stand,[5] and an optional articulating stand[5] for various workspace setups.

Build personal connections with colleagues across the globe

Experience studio quality collaboration with Poly Camera Pro[6], high-SNR mics, and two speakers tuned by Poly Studio. The HP EliteStudio 8 AiO G1i AI PC ensures crystal clear audio and video for every conference call, supported by AI-based noise reduction.[7]



*Product image may differ from actual product

Sustainability in action

Help protect our shared future

At least 85 percent of main components plastic used in this PC is post-consumer recycled plastic.[8] 100% of HP paper-based packaging is from recycled or certified sustainable sources.[9] This PC is ENERGY STAR® certified and EPEAT® Climate+ Gold registered.[10]

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Featuring

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

Intel® powers PCs enhanced by AI
Free up time to focus on what matters with the latest Intel® Core™ Ultra processor with an up to 13 TOPS NPU. Three compute engines manage workloads, help improve video conferencing and allow for advanced content creation.[2,3]

Create and do more
Experience reliable performance with Intel UHD Graphics, offering essential graphics capabilities that help you connect, build, and learn. Intel UHD Graphics ensures smooth visuals and efficient multitasking.

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. Now Auto Frame, Spotlight, Background Blur, and virtual backgrounds save power running on the NPU.[6]

Walk away lock and wake on approach
Wake and lock your PC with your presence. A proximity sensor in the optional 5MP HDR +IR camera detects when you leave your PC and locks it. Upon your return, the sensor triggers the camera and Windows Hello to verify your identity and unlock the PC.[13]

Keep visual hackers at bay
Stop shoulder surfers in their tracks with optional HP Sure View with onlooker detection that activates Sure View reducing visual light making your screen unreadable when viewed from the side.[14]

Hear and be heard
Dynamic Voice Leveling automatically enhances microphone gain to optimize voice clarity within 3-meters of the PC. AI Noise Reduction uses noise-filtering technology to enhance audio conferencing experience even while wearing a mask.[6]

Balanced light for a clear image
Make sure you can clearly be seen on calls with Dynamic Color Tuning that adjusts camera auto-color and auto-white balance for a more natural color when you are in front of a monochromatic background.

Get going fast
Your PC keeps working even when you're not with Modern Standby. When you wake the PC it's ready to work, meaning your email, notifications, and updates have all been updating themselves while the PC is asleep and connected to a network.[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.[12]

Robust security against quantum computing attacks
Fortify your workforce against quantum threats with the built-in HP Endpoint Security Controller (ESC). The latest ESC protects firmware against quantum computer attacks and helps ensure the integrity of sensitive and regulated data.[16]

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.[17,18]

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Technical specifications

Available Operating Systems	Windows 11 Pro[1] Windows 11 Pro Education[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 Home Single Language – HP recommends Windows 11 Pro for business[1] FreeDOS
Processor family	Intel® Core™ Ultra 9 processor Intel® Core™ Ultra 7 processor Intel® Core™ Ultra 5 processor
Available Processors[4,36]	Intel® Core™ Ultra 9 285 (up to 5.6 GHz with Intel® Turbo Boost Max Technology, 36 MB L3 cache, 24 cores, 24 threads) with Intel® Graphics and Intel® AI Boost (13 NPU TOPS), supports Intel® vPro® Technology Intel® Core™ Ultra 7 265 (up to 5.3 GHz with Intel® Turbo Boost Max Technology, 30 MB L3 cache, 20 cores, 20 threads) with Intel® Graphics and Intel® AI Boost (13 NPU TOPS), supports Intel® vPro® Technology Intel® Core™ Ultra 5 245 (up to 5.1 GHz Max Turbo frequency, 24 MB L3 cache, 14 cores, 14 threads) with Intel® Graphics and Intel® AI Boost (13 NPU TOPS),supports Intel® vPro® Technology Intel® Core™ Ultra 5 235 (up to 5 GHz Max Turbo frequency, 24 MB L3 cache, 14 cores, 14 threads) with Intel® Graphics and Intel® AI Boost (13 NPU TOPS), supports Intel® vPro® Technology Intel® Core™ Ultra 5 225 (up to 4.9 GHz Max Turbo frequency, 20 MB L3 cache, 10 cores, 10 threads) with Intel® Graphics and Intel® AI Boost (13 NPU TOPS)
Neural Processing Unit	Intel® AI Boost
Chipset[4]	Intel® Q870 (vPro®)
@@Brightness@@	300 nits (touch); 250 nits (non-touch)
Product colour	Pike silver
Form factor	All-in-One
Maximum memory	64 GB DDR5-5600 MT/s; [5,6] Transfer rates up to 5600 MT/s.
Memory slots	2 SODIMM
Internal storage	256 GB up to 1 TB PCIe® NVMe™ M.2 SSD[2,3] 512 GB up to 2 TB PCIe® NVMe™ TLC M.2 SSD[2,3] 512 GB PCIe® NVMe™ SED Opal 2 TLC M.2 SSD[2,3]
Display	60.5 cm (23.8") diagonal, FHD (1920 x 1080), touch, IPS, anti-glare, TUV Rhineland Low Blue Light, 300 nits, 72% NTSC; 60.5 cm (23.8") diagonal, FHD (1920 x 1080), non-touch, IPS, anti-glare, TUV Rhineland Low Blue Light, 250 nits, 72% NTSC
Available Graphics	Integrated: Intel® UHD Graphics 4Xᵉ; Intel® UHD Graphics 3Xᵉ; Intel® UHD Graphics 2Xᵉ Discrete: NVIDIA® GeForce RTX™ 5050 (8 GB GDDR6 dedicated) (Models available with either integrated or discrete graphics and must be configured at purchase (integrated graphics will depend on processor).)
Audio	2x5 W down-firing speakersRealtek ALC3252 codec, internal speaker, combo microphone/headphone jack
Expansion slots	1 M.2 2230 (WLAN); 2 M.2 2280 (SSD)
Ports and connectors	Bottom: 1 USB Type-A 10Gbps signaling rate; 1 3.5 mm universal audio jack; 1 USB Type-C® 20Gbps signaling rate (15W charging) ; Rear: 1 USB Type-A 10Gbps signaling rate; 1 HDMI-out 2.1; 1 RJ-45; 1 DisplayPort™ 2.1; 1 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (100W USB Power Delivery, KVM switch); 2 USB Type-A 5Gbps signaling rate (keyboard wake capable); 1 USB Type-C® 10Gbps signaling rate (with DisplayPort™ Alt Mode)
Input devices	HP 725 Multi-Device Rechargeable Wireless Keyboard and Mouse combo; HP USB 320K v2 Keyboard; HP USB Business Slim Wired v2 SmartCard CCID Keyboard; HP 125 v2 Wired Keyboard; HP 125 v2 AntiMicrobial Wired Keyboard[10]; HP 125 Wired Mouse; HP 128 Laser Wired Mouse; HP 125 Antimicrobial Wired Mouse; HP USB Hardened Optical Wired Mouse; HP Wired 320M Mouse[10]
Communications	LAN: Intel® I219-LM PCIe® GbE NIC, vPro® ; Realtek Wi-Fi 6E RTL8852CE 802.11a/b/g/n/ax (2x2) and Bluetooth® 5.3 wireless card; Intel® Wi-Fi 7 BE200 (2x2) and Bluetooth® 5.4 wireless card, vPro®; Intel® Wi-Fi 7 BE200 (2x2) and Bluetooth® 5.4 wireless card, non-vPro®
Camera	5 MP RGB fixed camera (push-in) with Ambient Color Sensor (ACS), adjustable tilt (15 degrees), and integrated dual array microphones (high SNR); 5 MP HDR + IR fixed camera (pull-up) with AI Human Presence Detection and integrated dual array microphones (normal SNR) [11]
Environmental	Operating temperature: 10 to 35°C; Operating humidity: 10 to 90% RH
Software	HP Notifications; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; Buy Microsoft Office (sold separately)[19]; HP Hotkey support; HP Privacy Settings; HP Services Scan[20]; HP Setup Integrated OOBE; HP Smart Support[21]; HP Support Assistant[22]; HSA Fusion for Commercial; HSA Telemetry for Commercial; myHP; myHP with Multicamera support; Poly Lens[23]; Poly Camera Pro
Security management	Secured-Core PC Enable; HP Wolf Security for Business includes: HP Sure Start, HP Secure Erase[24]; HP Sure Admin[25]; HP Sure Click[26]; HP Sure Run[27]; HP Sure Sense[28]; HP Sure Recover[29]; HP Sure Start[30]; HP Tamper Lock[31]; Absolute Persistence Module[32]; Audio Permanent Disable; HP BIOS Recovery; BIOS Update via Network; HP BIOSphere[33]; HP Secure Erase[34]; HP DriveLock and Automatic DriveLock; Trusted Platform Module TPM 2.0 Embedded endpoint security controller (Common Criteria EAL4+ certified) (FIPS 140-2 Level 2 certified)

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Management features	HP Client Catalog (download)[12]; HP Client Management Script Library (download); HP Cloud Recovery[13]; HP Connect for Microsoft Endpoint Manager[14]; HP Driver Packs (download)[15]; HP Image Assistant (download)[16]; HP Manageability Integration Kit (download)[17]; HP Patch Assistant (download)[18]
Power	280 W internal power supply, up to 93% efficiency, active PFC
Dimensions	53.96 x 31.94 x 5.25 cm
Weight	6.3 kg; (Exact weight depends on configuration.)
Ecolabels	TCO Certified; EPEAT® Gold with Climate+; TCO Gen 10 Certified
Energy star certified	ENERGY STAR® certified
Certification and compliance	TCG certified; MIL-STD 810H (12 durability tests)
Sustainable impact specifications	5% REE recycled magnets in system; 20% recycled metal in enclosure; 60% recycled plastic in system; 25% ocean-bound plastic in thermal fan module; 5% ocean-bound plastic in speaker enclosure; 35% recycled indium and 20% recycled glass in display panels

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Footnotes

Messaging Footnotes

[1] Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 11 is automatically updated, which is always enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com .
[2] Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.
[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] Optional feature must be configured at the time of purchase.
[5] Sold separately or as an optional feature.
[6] 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.
[7] Requires HP App and Windows OS.
[8] Main components include outer casing and display bezel. Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 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 personal systems accessories and spare parts is not included.
[10] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for more information.
[11] 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.
[12] HP Wolf Security for Business requires Windows 10 or 11 Pro and higher, includes various HP security features and is available on HP Pro, Elite, Workstation, and RPOS products. See product details for included security features.
[12] 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.
[13] 5MP +IR camera is an optional feature that must be configured at the time of purchase. Requires Windows 11 and higher and set up of facial recognition through Windows Hello. See https://www.microsoft.com/en-us/windows/tips/presence-sensing .
[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. Requires the optional 5MP +IR camera that must be configured at the time of purchase.
[15] Requires Windows 10 and higher and internet access.
[16] Requires Windows 10 or higher. For supported HP PCs with the latest HP Endpoint Security Controller (Gen 5). See https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA8-3644ENW .
[17] 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.
[18] 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

[2] For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows) of disk is reserved for system recovery software.
[3] Starting from November 1st 2023, all shipments will require Windows to be installed on SSD to provide users a better experience. HDD can only be configured as additional data drives and not the boot drive.
[4] For full Intel® vPro® functionality, Windows 11 Pro 64 bit, a vPro supported processor, vPro enabled chipset, vPro enabled wired LAN and/or WLAN card and TPM 2.0 are required. Some functionality requires additional 3rd party software in order to run. See http://intel.com/vpro .
[5] DDR5 memory modules support data transfer rates up to 5600 MT/s on i5-14600, i7-14700, and i9-14900 processors. All other processors support up to 4800 MT/s, following Intel's design guideline. Actual data rate is determined by the system configuration.
[6] All memory slots are customer accessible / upgradeable.
[7] Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.11BE) functionality requires Windows 11 24H2 which would be available starting from end of Aug./2024. a 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. NOTE: WiFi-6E might be restricted by local regulation and only available in countries where Wi-Fi 6E is supported. HP will enable countries in the future by upgrading BIOS in default as the technology becomes available in more regions.
[8] Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior 802.11 specs.
[9] The HP 800 G9 All-in-one requires Intel® 13th Gen processor to support Wi-Fi 6E and 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. For HP 800 G9 All-in-one without Intel® 13th Gen processors, the product does not support Wi-Fi 6E standard and does not operate under 6GHz band. The product is compatible with 6GHz and other routers, sold separately, which have capability to operate in 2.4GHz and 5GHz, in compliance with Wi-Fi 6 and prior 802.11 specs. The actual throughput depends on network condition and router configuration. Internet service required and public wireless access points are limited.add: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 2024, Intel ® Core ™ 14th gen processors, 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.
[10] Availability may vary by country.
[11] Both camera options come with integrated ISP+ camera technology to support AI Human Presence Detection (Walk Away Lock and Wake On Approach), both camera options support microphones with Next Gen AI Noise Reduction and Echo Cancellation.
[12] HP Client Catalog not preinstalled, however available for download at https://www.hp.com/us-en/solutions/client-management-solutions.html .
[13] 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 .
[14] 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.
[15] HP Driver Packs not preinstalled, however available for download at http://www.hp.com/go/clientmanagement .
[16] HP Image Assistant not preinstalled, however available for download at https://ftp.ext.hp.com/pub/caps-softpaq/cmit/HPIA.html .
[17] HP Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement .
[18] HP Patch Assistant available on select HP PCs with the HP Manageability Kit that are managed through Microsoft System Center Configuration.
[19] Microsoft 365 sold separately and requires Internet access for activation.
[20] 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 .
[21] HP Smart Support 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 .
[22] HP Support Assistant is available on Windows. For more information, please visit http://www.support.hp.com/help/hp-support-assistant .
[23] Poly Lens Desktop requires a Windows OS.
[24] 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.
[25] 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.
[26] HP Sure Click requires Windows 10 Pro or higher or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.
[27] HP Sure Run is available on select HP PCs and requires Windows 10 and higher.
[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 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.
[30] HP Sure Start is available on select HP PCs and requires Windows 10 and higher.
[31] HP Tamper Lock can be Enabled/disabled by customers or IT administrator with administrator authority.
[32] 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/ .
[33] HP BIOSphere features may vary depending on the platform and configuration.
[34] HP Secure Erase implements the methods outlined in the National Institute of Standards and Technology Special.
[35] ENERGY STAR and the ENERGY STAR logo are registered trademarks of the U.S. Environmental Protection Agency.
[36] 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.

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