

HP EliteStudio 8 AiO G1i 23.8" Desktop AI PC

HP EliteStudio 8 AiO G1i 27" Desktop AI PC



Key Experiences and Product Specs



23.8"

27"

Enterprise and SMB frontline professionals, IT managers and back office heroes can be productive and collaborate seamlessly with a sophisticated, AI-powered AiO design.

Key Product Experiences

Performance meets sophisticated design: Elevate your workspace with the elegantly designed HP EliteStudio 8 AiO G1i AI PC. Built for immersive collaboration to enhance virtual meetings, it also delivers AI-enhanced performance with an Intel® Core™ Ultra processor¹ with an up to 13 TOPS NPU.²

Build personal connections with colleagues across the globe: Experience studio quality collaboration with Poly Camera Pro⁴ enhancements for the 5MP HDR pop-up camera that supports Windows Hello facial recognition and AI-enabled human presence detection, high-SNR mics, and two speakers tuned by Poly Studio⁵. The HP EliteStudio 8 AiO G1i AI PC ensures crystal clear audio and video for every conference call, supported by AI-based noise reduction⁵, plus echo cancellation and dynamic voice leveling.

Interoperability across HP AiO and notebook systems: Seamlessly connect your AiO to your notebook⁶ with optional KVM Device Switch⁷ lets you dock and power your notebook via single cable Thunderbolt™ 4⁴³ connection with 100W power delivery. Instantly boost productivity and conferencing capabilities with access to EliteStudio's audio, video, touchscreen and USB peripherals. The HP EliteStudio 8 AiO G1i AI PC ensures smooth transitions and consistent performance across different HP devices, enhancing productivity.

Product Specs:

Operating System	Windows 11 Pro ⁸
Processor(s)	15 th Gen Intel® Core™ Ultra Processors ¹ 5/7/9, Intel® Q870, Intel vPro® standard ⁹ Up to 13 TOPS NPU ²
Graphics	Integrated graphics: Intel® UHD Graphics Discrete graphics: Optional NVIDIA® GeForce RTX™ 5000 Ti series (8GB GDDR6)
Memory	64 GB DDR5-5600 SDRAM ¹⁰ ; 2 SODIMM Slots; Transfer rates up to 5600 MT/s. Both slots are customer accessible/ upgradeable. Supports dual channel memory ¹¹
Internal Storage	256 GB up to 1 TB PCIe® NVMe™ M.2 SSD (2x M.2 SSD slots, up to 2 TB max)¹² 256 GB up to 2 TB PCIe® NVMe™ TLC M.2 SSD (2x M.2 SSD slots, up to 4 TB max)¹² 512 GB PCIe® NVMe™ SED Opal 2 TLC M.2 SSD¹²
Display	23.8" diagonal, FHD (1920 x 1080), IPS WLED Backlit LCD, 75Hz refresh rate, 250 nits¹³ (NT), 300 nits¹³ (T) sRGB 99%¹³, NTSC 72%, TUV Certified Low Blue Light Panels, anti-glare, optional touchscreen, near borderless display 27" diagonal, QHD (2560 x 1440), IPS WLED Backlit LCD, 75Hz refresh rate, 250 nits¹³ (NT), 350 nits¹³ (T), sRGB 99%¹³, NTSC 72%, TUV Certified Low Blue Light Panels, anti-glare, optional touchscreen, near borderless display - New articulating stand allows for up to 60 degrees of recline¹⁴ - New adjustable-height stand allows for display rotation to vertical position¹⁴
Webcam	Tiltable pop-up camera, 5MP RGB or 5MP HDR + IR ^{15,16} , Color Sensor, ISP (image signal processor) that supports HP Lock and Awake with AI human presence detection
Audio	Audio: 2x5W down firing speakers, Next Gen AI Noise Reduction ⁵ , Echo Cancellation Microphone: Internal dual array high-SNR microphone inside camera
Input/Connectivity	Rear: (1) USB Type-C® SuperSpeed 10Gbps signaling rate ^{17,42} with DisplayPort™ Alt Mode; (1) USB Type-A 3.2 Gen 2 10Gbps signaling rate ¹⁷ ; (2) USB Type-A 3.2 Gen 1 5Gbps signaling rate ¹⁷ (keyboard wake capable); (1) Thunderbolt™ 4 ⁴³ with 100W power delivery and KVM NB docking support • (1) DisplayPort™ 2.0 • (1) HDMI-Out 2.0; (1) RJ45 network interface 1Gbps signaling rate ¹⁷ Bottom Down Facing: (1) USB Type-A 3.2 Gen 2 10Gbps signaling rate ¹⁷ ; (1) USB Type-C® 3.2 Gen 2x2 20Gbps signaling rate ^{17,42} (charge support up to 15w); Universal Audio Jack (supports OMTP/CTIA headset)
Wireless technology	LAN: Integrated Intel® I219LM GbE LOM WLAN: Intel BE200 Wi-Fi 7 ¹⁸ + Bluetooth® 5.4 Intel vPro® ⁹ /Non-vPro • Realtek 8852CE Wi-Fi 6E ^{19,20} + Bluetooth® 5.3 wireless card
Power	280W internal PSU with sensor for real-time carbon footprint data
Weights & Dimensions	23.8": 53.96 x 31.94 x 5.25 cm (21.24 x 12.57 x 2.07 in); Starting at 6.6 kg (14.55 lbs) ²¹ 27": 61.34 x 36.17 x 5.25cm (24.15 x 14.24 x 2.07 in); Starting at 7.8 kg (17.2 lbs) ²¹
Color	Silver rear cover and stand; black front bezel
Expansion Slots	(1) PCIe® gen 4 M.2 2230 WLAN+Bluetooth® Combo; (2) PCIe® gen 4 M.2 2280 for PCIe® NVMe™ SSD ¹² storage
Sustainable Impact Specifications	EPEAT Climate+™ Gold ²² , ENERGY STAR® and TCO certified; at least 60% PCR materials in total ²³ ; 15% recycle SGCC steel used in chassis ²⁴ ; at least 75% recycled aluminum in chassis, stands and inner parts ²⁴ ; at least 95% post-consumer recycled plastic in chassis or inner parts ²³ ; at least 25% ocean bound plastic fan housing and at least 5% ocean-bound plastic in speaker enclosure ²⁵ ; at least 25% recycled indium in the panel ²⁴ ; at least 20% recycled glass in the panel ²⁶ ; 30% recycled REE magnets in speaker box; molded paper pulp cushion inside box is 100% sustainably sourced and recycled ²⁷ ; Outside box and corrugated cushions are 100% sustainably sourced and recycled ²⁷ ; low halogen ²⁸ ; Bulk packs available ²⁹
Security & Manageability	Support for chassis padlocks and cable lock devices; HP Tamper Lock ³⁰ ; Trusted Platform Module TPM 2.0 Embedded Security Chip shipped with Windows 11. Common Criteria EAL4+ Certified; Serial, USB enable/disable (via BIOS); Power-on password (via BIOS); Setup password (via BIOS); HP Wolf Security for Business ³¹ ; HP Sure Start ³² , HP Sure Recover ³³ , HP BIOSphere ³⁴ , HP Client Security Manager ³⁵ ; HP Secure Erase; HP

Sure Sense³⁶, HP Sure Click³⁷, HP Sure Run³⁸, HP Sure Admin³⁹, HP Management Integration Kit⁴⁰, HP Auto Lock and Awake⁴¹, HP On Demand Lock, Onlooker Detection

Disclaimers:

1. 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.
2. AI applications that require an NPU may require software purchase, subscription or enablement by a software or platform provider, and third-party software may have specific configuration or compatibility requirements. Potential NPU inferencing performance varies by use, configuration, and other factors
3. N/A
4. Poly Camera Pro requires Windows OS.
5. Requires myHP application and Windows OS.
6. HP Device Switch KVM feature is tested for full compatibility (to include device switching, 100W power delivery, USB connectivity, audio/video connectivity, touchscreen, and additional monitor) with all G9, G10, G11 and G1 HP mobile workstation platforms and notebook platforms except for 2/200 series platforms, chrome-based platforms, and AMD Zen 3 platforms. HP Device Switch KVM feature is also tested for limited compatibility with 3rd party platforms using Windows and MacOS to support device switching through Thunderbolt 4 only. HP Device Switch is not compatible with any tablets or phone devices.
7. Optional feature that must be configured at the time of purchase.
8. 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>.
9. Intel vPro® requires Windows 10 Pro 64 bit or higher, a vPro supported processor, vPro enabled chipset, vPro enabled wired LAN and/or Wi-Fi 6E WLAN and TPM 2.0. Some functionality requires additional 3rd party software in order to run. Features of vPro® Essentials and Enterprise vary. See <http://intel.com/vpro> HP Services are sold separately. 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.
10. Memory modules support data transfer rates up to 5600/MT/s requires selected Intel Core 14th Gen i5, i7 or i9 CPUs. Memory configuration without selected CPUs support data transfer rates up to 4800 MT/s. Actual data rate is determined by the system's configured processor. See processor specifications for supported memory data rate. All memory slots are customer accessible / upgradeable
11. Supports dual channel memory: 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.
12. For storage drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows) is reserved for system recovery software.
13. All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
14. Sold separately or as an optional feature.
15. A no camera option is available and must be configured at the time of purchase.
16. 5MP HDR+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>.
17. Actual throughput may vary
18. Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.11BE) functionality requires compatible Windows 11 OS, compatible processor, and separately purchased Wi-Fi 7 router to support backwards compatibility with prior 802.11 specs. Available in countries where Wi-Fi 7 is supported. The specification for 802.11BE is a draft specification and is not final. If the final specification differs from the draft specification, it may affect the ability of the device to communicate with other 802.11BE devices.
19. 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.
20. Wi-Fi® supporting gigabit data rate is achievable with Wi-Fi 6E (802.11ax) when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 160MHz channels.
21. Actual weight will vary by configuration.
22. Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. See www.epeat.net for registration status and tier levels by country.
23. Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 EPEAT standard.
24. 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
25. Percentage of ocean-bound plastic contained in each component varies by product. Ocean Bound plastic is expressed as a percentage of the total weight plastic. Ocean Bound plastic is based on the definition set by the UL2809 standard
26. Percentage of recycled glass in the monitor panel varies by product. Recycled glass is expressed as a percentage of the total weight of the glass.

27. 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.
28. External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.
29. Bulk packaging solution may vary by region or market
30. HP Tamper Lock must be enabled by the customer or your administrator.
31. 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.
32. HP Sure Start is available on select HP PCs and requires Windows 10 or 11.
33. HP Sure Recover with Embedded Reimaging is an optional feature which requires Windows 10 and higher must be configured at purchase. You must back up important files, data, photos, videos, etc. before use to avoid loss of data. Network based recovery using Wi-Fi is only available on PCs with Intel Wi-Fi Module.
34. HP BIOSphere requires Windows 10 and is available on select HP Pro and Elite PCs. Features may vary depending on the platform and configurations
35. HP Client Security Manager requires Windows and is available on the select HP Elite and Pro PCs.
36. HP Sure Sense is available on select HP PCs and is not available with Windows 10 Home.
37. HP Sure Click requires Windows 10 or higher. See https://bit.ly/2PrLT6A_SureClick for complete details.
38. HP Sure Run is available on select HP PCs and requires Windows 10 or higher.
39. HP Sure Admin requires Windows 10, HP BIOS, HP Manageability Integration Kit from <http://www.hp.com/go/clientmanagement> and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store.
40. HP Manageability Integration Kit can be downloaded from <http://www.hp.com/go/clientmanagement> and requires Microsoft Endpoint Manager.
41. HP Auto Lock & Awake requires a proximity sensor that is available on select desktops and requires Windows Hello for authentication.
42. USB Type-C® and USB-C® are registered trademarks of USB Implementers Forum
43. SuperSpeed USB 20Gbps is not available with Thunderbolt™ 4.

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