HP EliteDesk 8 SFF G1i Desktop AI PC

Key Experiences and Product Specs

Empower tech experts and administrative staff with enterprise-grade, AI-powered performance.

Key Product Experiences

AI-enhanced hardware for peak performance: Powered by the latest Intel® Core™ Ultra processor[1] with an integrated 13 TOPS NPU[2] and optional NVIDIA® A1000 graphics[4], the HP EliteDesk 8 SFF G1i AI PC enhances productivity and streamlines workflows with AI capabilities.

Versatile design for small workspaces: Seamlessly integrate into offices with limited space without compromising power. Its small design offers scalability with 3x M.2 SSD[5], and connectivity with up to 8 displays[6] for multitasking, making the HP EliteDesk 8 SFF G1i AI PC ideal for modern work environments.

Work protected and secure: In addition to a physical security lock, HP Tamper Lock[7] for BIOS protection and intrusion sensor for detecting and alerting to unauthorized opening of the chassis, HP Wolf Security for Business[8] 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.

Product Specs:

Operating System	Windows 11 Pro[9]
Processor(s)	Intel® Core™ Ultra processors[1] 65W up to Ultra 9/Q870, Intel vPro® standard[10] Up to 13 TOPS NPU[2]
Graphics	Integrated: Intel® UHD Optional discrete graphic card options:[4] • AMD Radeon™ RX 6300 2GB • NVIDIA® A1000 8GB • NVIDIA® A400 4GB
Memory	Up to 128 GB DDR5[11] (speed various based on configurations. Max system speed at 5600MHz)
Storage & Drive Bays	3x M.2 SSD slots, up to 6TB max[5] (Up to 2TB PCIe® NVMe™ TLC M.2 SSD (PCIe® Gen4); Up to 512GB PCIe® NVMe™ Opal2 TLC M.2 SSD;[5] Up to 1TB PCIe® NVMe™ Value M.2 SSD)[5] • 1 x 3.5" HDD, up to 2TB max[5] • 1x 9.5mm slim SATA ODD[5] or 1x CRU removable storage (QX118)
Input/Connectivity	**Front**: (4) SuperSpeed USB Type-A 10Gbps signaling rate[12] ports; (2) SuperSpeed USB Type-C® 20Gbps signaling rate[12] port; (1) Combo Audio Jack; **Rear**: (1) Audio line-in/line-out jack connector; (1) RJ-45; (2) SuperSpeed USB Type-A 5Gbps signaling rate[12] ports; (3) USB Type-A 480Mbps signaling rate[12] ports; (2) DisplayPort™ 2.1; (1) HDMI 2.1; 1st Flex IO :(1) Choice of Serial/DisplayPort™ 2.1/HDMI 2.1/VGA/ dual USB-A (5Gbps signaling rate[12]) / dual USB Type-C® (10Gbps signaling rate[12]) /USB Type-C® 10Gbps signaling rate[12] with DisplayPort™ 1.4 / Thunderbolt™ 4/ Fiber NIC 1Gbps signaling rate[12] 2nd Flex IO : Choice of Dual USB-A 5Gbps signaling rate[12] or Serial port PCIe® :(1) Optional Parallel port via PCIe® ; (1) 4x serial via PCIe®
Wireless technology	**LAN**: Intel I226-T1 2.5GbE Ethernet Network **WLAN**: Intel® BE200 Wi-Fi 7[13] + Bluetooth® 5.4 non-vPro WW; Intel® BE200 Wi-Fi 7[13] + Bluetooth® 5.4 Intel vPro®[10] WW ; Realtek 8852CE Wi-Fi 6E[14,15] + Bluetooth® 5.3 WW
Power	180W/280W
Weight and Dimensions	308x 303.5 x 100 mm (12.13 x 11.95 x 3.94 in) Starting at 4.7 kg (10.4 lbs)[16]
Color	Black
Expansion Slots	(1) PCIe® 4.0 x16 (dGPU), (1) PCIe® 4.0 x4
Sustainable Impact Specifications	EPEAT Climate+™ Gold[17], ENERGY STAR® and TCO certified; speaker enclosure, fan housing / ducts & front I/O strip made from recycled material including ocean-bound plastics[18]; molded paper pulp cushion inside box is 100% sustainably sourced and recyclable[19]; outside box and corrugated cushions are 100% sustainably sourced and recyclable[19]; low halogen[20]; bulk packs available[21]
Security & Manageability	HP Wolf Security for Business[8]: HP Sure Start[22], HP Sure Run[23], HP Sure Recover[24], HP Sure Admin[25], HP Tamper Lock[7] HP On Demand Lock

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. Sold separately or as an optional feature.
5. For storage drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows) is reserved for system recovery software.
6. Support for up to eight displays on the HP EliteDesk 8 Tower requires NVIDIA® RTX™ 3050, NVIDIA® A400, or Intel® Arc™ A380 discrete graphics card (2 native + 1 optional flex IO + 4 on GFX). Support for up to five displays requires AMD Radeon RX 6300 graphics card (2 native + 1 optional flex IO + 2 on GFX). Choose VGA, HDMI, DisplayPort, or USB-C with DisplayPort as optional flex IO port.
7. HP Tamper Lock must be enabled by the customer or your administrator.
8. 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.
9. 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.
10. 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/vproHP 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.
11. For systems configured with more than 3 GB of memory and a 32-bit operating system, all memory may not be available due to system resource requirements. Addressing memory above 4 GB requires a 64-bit operating system. Memory modules support data transfer rates up to 2666 MT/s, 2933 MT/s or 3200 MT/s as depending on processor config; with 1 DIMM per channel. Additional DIMM loading on any channel may impact maximum memory speed. Actual data rate is determined by the system's configured ; See processor specifications for supported memory data rate.
12. Actual throughput may vary
13. 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.
14. 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.
15. 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.
16. Actual weight will vary by configuration.
17. 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.
18. 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
19. 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.
20. External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.
21. Bulk packaging solution may vary by region or market
22. HP Sure Start is available on select HP PCs and requires Windows 10 or 11.
23. HP Sure Run is available on select HP PCs and requires Windows 10 or higher.
24. 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.
25. 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.