

HP EliteDesk 8 Mini G1i Desktop AI PC



Key Experiences and Product Specs



Drive big workflows with a versatile AI-enhanced Mini, built for remote workers, frontline pros and tech experts.

Key Product Experiences

Unleash the power of AI and expand workforce capabilities: Powered by the latest Intel® Core™ Ultra processor¹ with an integrated 13 TOPS NPU², the HP EliteDesk 8 Mini G1i AI PC ensures fast processing speeds and superior performance for demanding tasks. Its AI capabilities enhance productivity and streamline workflows. Get real-time energy consumption insights about your PC with Power Consumption Measurement.⁴

Single cable solution and versatile deployment: With selected HP displays⁵, the HP EliteDesk 8 Mini G1i AI PC can transfer power and video through a single cable⁶, creating a tidy working environment. Users can power on the Mini through the display power button, simplifying setup. Deploy this AI PC flexibly with its compact design and ample I/O ports for seamless connectivity.

Work protected and secure: In addition to a physical security lock, HP Tamper Lock⁷ for BIOS protection and intrusion sensor for detecting and alerting to unauthorized opening of the chassis, HP Wolf Security for Business⁸ 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)	Both Intel® Core™ Ultra 35W & 65W processors ¹ up to Intel® Core™ Ultra 9/Q870 with Intel vPro® Enterprise ¹⁰ Up to 13 TOPS NPU ²
Graphics	<ul style="list-style-type: none"> Intel® UHD Graphics Support for up to 6 Independent Display Ports via Optional HP Video Port Extender Graphics flex I/O Card
Memory	Two SODIMM Slots, Up to 64 GB DDR5 5600 MT/s ¹¹
Internal Storage	(3) M.2 PCIe® NVMe™ Gen4 SSD up to 6TB (1) ¹²
Input/Connectivity	Front: (1) USB Type-C® SuperSpeed USB 20Gbps signaling rate ¹³ with 15W PD, (2) Type-A SuperSpeed USB 10Gbps signaling rate ¹³ , (1) Combo Audio Jack with CTIA /OMTP headset support Rear: (1) RJ-45, (1) Thunderbolt™ 4 with Alt mode and 100W power intake, (2) Type-A SuperSpeed USB 10Gbps signaling rate ¹³ (Support S4/5 wake on keyboard), (1) HDMI 2.1 TMDS 6Gbps signaling rate ¹³ , (2) DisplayPort™ 2.1 HBR3, (1) Flex Port 1, (1) Flex Port 2 (see Expansion slots)
Wireless technology	Intel® BE200 Wi-Fi 7 ¹⁴ + Bluetooth® 5.4 wireless card Intel vPro® ¹⁰ /Non-vPro WLAN; Realtek RTL8852CE 802.11ax 2x2 Wi-Fi 6E ^{15,16} + Bluetooth® 5.3 wireless card (802.11ax 2x2, supporting gigabit data rate)
Power	<ul style="list-style-type: none"> 90W/120W/150W/180W external 7.4mm barrel type AC power adapter 100W external USB Type-C® AC power adapter Support power intake up to 100W with USB Type-C® power delivery (Available only on 35W devices without configuring TBT4 flex module with HP qualified USB-C monitors with 100W power intake)
Weight and Dimensions	17.7 x 18.1 x 3.4 cm; 1.42 kg ¹⁸
Color	Black
Drive Bays/M.2 Slots	(1) M.2 2230 for optional Wireless LAN/Bluetooth®, (3) 2 x M.2 2280 for optional SSD ¹² drive (allows PCIe® NVMe™ RAID 1)
Expansion Slots	1st Flex Port Card: (1) VGA Option Card, (1) HDMI 2.1 Option Card, (1) DisplayPort™ 2.1 Option Card (1) Thunderbolt™ 4 , (1) Fiber NIC Option Card – 1Gbps, (1) Intel I226V 2.5GbE NIC(RJ-45 Port), (1) Dual Type A SuperSpeed USB 5Gbps signaling rate ¹³ , (1) Serial Port Option card, (1) Dual SuperSpeed USB-C 20Gbps signaling rate ¹³ 2nd Flex Port Card: (1) Serial Port, (1) Dual Type A SuperSpeed USB 5Gbps signaling rate ¹³ , (1) Video Port Extender
Sustainable Impact Specifications	EPEAT Climate+™ Gold ¹⁷ registered, ENERGY STAR® and TCO certified; speaker enclosure, fan housing/ducts & front I/O strip made from at least 5% ocean-bound plastics ¹⁹ ; molded paper pulp cushion inside box is 100% sustainably sourced and recyclable ²⁰ ; outer box packaging and corrugated cushions are 100% sustainably sourced and recyclable ²⁰ ; low halogen ²¹ ; bulk packs available. ²²
Security & Manageability	HP Wolf Security for Business ⁸ : HP Sure Start ²³ , HP Sure Run ²⁴ , HP Sure Recover ²⁵ , HP Sure Click ²⁶ , HP Manageability Integration Kit ²⁷ , HP Sure Sense ²⁸ , HP BIOSphere ²⁹ , HP Image Assistant; TPM 2.0

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. Power Consumption Measurement with real-time total power usage tracking planned to release in 2024 on our commercial notebook line. The energy consumption data is planned to be available to end users within myHP and ITDMs via HP Proactive Insights in May 2024. Fleet management within HP Proactive Insights requires Windows 10 or higher and registration for the Workforce Experience platform at <https://admin.hp.com>. 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. Activation and restrictions may apply. 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.
5. Sold separately or as an optional feature.
6. Single cable feature supported on select HP 7 and 5 Pro series displays with 100W power delivery.
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/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.
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. 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. Actual throughput may vary
14. 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 backwords 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.
15. 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.
16. 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.
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. Actual weight will vary by configuration.
19. 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
20. 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.
21. External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.
22. Bulk packaging solution may vary by region or market
23. HP Sure Start is available on select HP PCs and requires Windows 10 or 11.
24. HP Sure Run is available on select HP PCs and requires Windows 10 or higher.

25. 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.
26. HP Sure Click requires Windows 10 or higher. See https://bit.ly/2PrLT6A_SureClick for complete details.
27. HP Manageability Integration Kit can be downloaded from <http://www.hp.com/go/clientmanagement> and requires Microsoft Endpoint Manager.
28. HP Sure Sense is available on select HP PCs and is not available with Windows10 Home.
29. HP BIOSphere requires Windows 10 and is available on select HP Pro and Elite PCs. Features may vary depending on the platform and configurations

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