HP EliteDesk 8 Mini G2i Next Gen AI PC

A Copilot+PC[3]

Key Experiences and Product Specs



This Mini PC means business with powerful local AI.

Key Product Experiences

- **Single cable solution for a tidy working environment.** With select HP displays[2], the HP EliteDesk 8 Mini G2i Next Gen AI PC can transfer power and video through a single cable
- creating a tidy working environment. Users can power on the Mini through the display power button, simplifying setup.
- **Versatile deployment with unwavering connectivity.** Free your workspace with a compact 1L chassis that fits on desks, behind monitors, or mounted with HP accessories.[2] Versatile deployment options clear desk space and adapt to modern hybrid work environments with performance or style.
- **Remarkable performance with AI boosted features.** Unleash performance with Intel® Core™ Ultra processor[1], optional NVIDIA® RTX™ 5050 graphics[6], and flexible ports for any setup.[11] Handle demanding AI workloads all in a compact design made for modern workspaces.
- **Help protect our shared future.** At least 95% of plastic used in the chassis is post-consumer recycled plastic.[14] 100% of HP paper-based packaging is from recycled or certified sustainable sources.[9] This PC is ENERGY STAR® certified[16] and EPEAT Climate+™ Gold 2.0 registered.[17]
- **Protection before the threat.** 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.[22]

Product Specs:

Operating System	Windows 11 Home[18] Windows 11 Pro[18]
Processor(s)	Intel® Core™ Ultra 45W mobile processors[1] with 50 TOPS NPU[41, 42] up to the next gen Intel® Core™ Ultra processors[5]
Power adapter	• 90W/120W/150W/180W external 7.4mm barrel type AC power adapter[11] • HP Slim 100W external USB Type-C® [8] AC power adapter[11] • Support power intake up to 100W with Thunderbolt™ 4[7]/USB Type-C® [8] power delivery[11]
Memory	Two SODIMM Slots, Up to 64 GB DDR5 6400 MT/s[21]
Graphics	• Intel® UHD Graphics • Support for up to 7 independent displays[10] via optional NVIDIA® GeForce RTX™ 5050 discrete graphics card[11] • Support for up to 6 independent displays[10] via optional HP Video Port Extender Graphics flex I/O Card[11]
Security	HP Wolf Security for Business[22] includes HP Sure Start[29], HP Sure Run[30], HP Sure Recover[31], HP Sure Click[33], HP Manageability Integration Kit[34], HP Sure Sense[32], HP BIOSphere[28], HP Image Assistant, HP Tamper Lock[4], HP Sure Admin[35], HP Secure Erase[36], HP DriveLock & Automatic DriveLock, BIOS Update via Network, Absolute Persistence Module, Power-On Authentication, Microsoft 3rd Party UEFI CA Enable; Physical security lock and intrusion sensor for chassis open alert
Connectivity/ ports	Intel® BE200 Wi-Fi 7[37, 38] + Bluetooth® 5.4 wireless card Intel vPro®[5]/Non-vPro WLAN; Realtek RTL8852CE 802.11ax 2x2 Wi-Fi 6E[39, 40] + Bluetooth® 5.3 wireless card (802.11ax 2x2, supporting gigabit data rate) **Front**: (1) USB Type-C® [8] SuperSpeed, 20Gbps signaling rate[19] with 15W power delivery, (2) USB Type-A SuperSpeed, 10Gbps signaling rate,[19] (1) Combo Audio Jack with CTIA /OMTP headset support **Rear**: (1) RJ-45, (1) Thunderbolt™ 4[7] SuperSpeed, 40Gbps signaling rate[19] with Alt mode and 100W power intake, (2) USB Type-A SuperSpeed, 10Gbps signaling rate[24] (support S4/5 wake on keyboard), (1) HDMI 2.1[24] 6Gbps signaling rate[24], (2) DisplayPort™ 2.1 HBR3, (1) Flex Port 1, (1) Flex Port 2 (see expansion slots)
Drive bays/ M.2 slots	(1) M.2 2230 for optional Wireless LAN/Bluetooth®, (3) M.2 2280 (for SSD storage) (Toolless install design for 1st and 2nd SSD slots)[23] (allows PCIe® NVMe™ RAID 1)
Expansion slots	**1st Flex Port Card Options**: (1) VGA, (1) HDMI 2.1,[24] (1) DisplayPort™ 2.1, (1) Thunderbolt™ 4[7], (1) Fiber NIC Card – 1Gbps signaling rate[19], (1) Intel® I226V 2.5GbE NIC (RJ-45 Port), (1) Dual USB Type-A SuperSpeed, 5Gbps signaling rate[19], (1) Serial Port, (1) Dual USB Type-C® [8] SuperSpeed, 20Gbps signaling rate[19] **2nd Flex Port Card Options**: (1) Serial Port, (1) NVIDIA® GeForce RTX™ 5050 discrete graphics card[11] featuring 2x Mini DisplayPort™ and 1x Micro HDMI Port, (1) Dual USB Type-A SuperSpeed, 5Gbps signaling rate[24], (1) Video Port Extender
Storage	(3) M.2 PCIe® NVMe™ Gen4 SSD up to 6TB[25]
Dimension/ weight	177 x 181 x 34 mm / 6.97 x 7.13 x 1.35 in 1.35 kg / 2.97 lbs[20]
Software	Buy Microsoft Office (Sold Separately), HP Connection Optimizer, Edge Customization, HP Hotkey Support, HP Mac Address Manager, HP Notifications, HP PC Hardware Diagnostics UEFI, HP PC Hardware Diagnostics Windows, HP Privacy Settings, HP Services Scan, HP Support Assistant, HSA Fusion for Commercial, HSA Telemetry for Commercial, HP app, HP IQ,[12, 13] Copilot +[3]
Sustainability	EPEAT Climate+™ Gold 2.0 registered[17]; ENERGY STAR® 9[16] and TCO certified; at least 95% recycled plastic in chassis and inner parts[14] and at least 5% recycled ocean-bound plastic[15] in the speaker encloser, front bezel frame and front bezel I/O strip; fan housings made from at least 25% ocean bound plastic[15]; at least 75% recycled aluminum[26] used in chassis/inner parts; 100% recycled REE magnet in speaker box; molded paper pulp cushion inside box is 100% sustainably sourced and recyclable[9]; outer box packaging and corrugated cushions are 100% sustainably sourced and recyclable[9]; low halogen; bulk packs available.[27]

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. Sold separately or as an optional feature.
3. Copilot+ in Windows 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 Microsoft in Windows is not available, the Copilot key will lead to the Bing search engine. Use of Recall requires customer authentication using Windows Hello Enhanced Sign in Security (ESS) which requires a fingerprint reader or facial recognition camera and may not be supported on all platforms. See http://aka.ms/WindowsAIFeatures
4. HP Tamper Lock must be enabled by the customer or your administrator.
5. 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
6. Sold separately or as an optional feature.
7. SuperSpeed USB 20Gbps is not available with Thunderbolt™ 4.
8. USB Type-C® and USB-C® are registered trademarks of USB Implementers Forum
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. Support for up to seven displays on the HP EliteDesk 8 Mini G2i requires the NVIDIA® GeForce RTX™ 5050 discrete graphics card selected for flex I/O port 2. (4 native displays + 3 displays with discrete graphics card in the optional flex I/O port 2). Support for up to six displays requires the HP Video Port Extender (VPE) selected for flex I/O port 2. (4 native displays + 2 displays with VPE in the optional flex I/O port 2). Optional feature that must be configured at the time of purchase. Displays sold separately.
11. Optional feature that must be configured at the time of purchase.
12. HP IQ will be available on G2 Commercial HP Next Gen AI PCs and AI PCs, and on select G1 Commercial Next Gen AI PCs and AI PCs. PC compatibility and availability subject to change without notice. Product compatibility may vary at launch. HP IQ feature set will vary by configuration.
13. 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_13696672-13696717-16 14. Recycled plastic is expressed as a percentage of the total weight plastic. Post-consumer recycled is based on the definition set in the EPEAT standard for computers, IEEE 1680.1-2018 standard.
15. 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.
16. ENERGY STAR® certified products meet strict energy efficiency guidelines set by the U.S. Environmental Protection Agency. ENERGY STAR® and the ENERGY STAR® logo are registered trademarks of the U.S. Environmental Protection Agency.
17. This applies to EPEAT 2.0 Registered products that meet Global Electronics Council, Sustainable Use of Resources Criteria (EPEAT-SUR-2025), January 29, 2025. Available at www.gec.org.
18. 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.
19. Actual throughput may vary.
20. Exact weight depends on configuration.
21. Memory modules support data transfer rates up to 4800 MT/s; system speed up to 4400 MT/s, following Intel's design guideline. Actual data rate is determined by the system configuration. To achieve optimal memory speed, HP strongly recommends to use identical memory modules (e.g., same capacity, same part number and from the same supplier) within the same memory channel.
22. HP Wolf Security for Business requires Windows 10 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 and OS requirements.
23. Toolless SSD installation only available on 1st and 2nd SSD slots.
24. HDMI 2.1 support resolution up to 4K @60 Hz
25. For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 10) of disk is reserved for system recovery software.
26. 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.
27. Bulk packaging solution may vary by region or market

28. HP BIOSphere requires Windows 10 and is available on select HP Pro and Elite PCs. Features may vary depending on the platform and configurations
29. HP Sure Start is available on select HP PCs and requires Windows 10 or 11.
30. HP Sure Run is available on select HP PCs and requires Windows 10 or higher.
31. 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.
32. HP Sure Sense is available on select HP PCs and is not available with Windows10 Home.
33. HP Sure Click requires Windows 10 or higher. See https://bit.ly/2PrLT6A_SureClick for complete details.
34. HP Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement and requires Microsoft Endpoint Manager.
35. 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.
36. For the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method. HP Secure Erase does not support platforms with Intel® Optane™
37. 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.
38. Wi-Fi® supporting gigabit data rate is achievable with Wi-Fi 7 (802.11BE) when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 160MHz channels.
39. 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.
40. 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.
41. Next Gen AI PC with 40 to 60 TOPS NPU to enable local AI processing.
42. 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
40. HP Sure Recover is available on select HP PCs and requires Windows 10 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. Network based recovery using Wi-Fi is only available on PCs with Wi-Fi Module.