HP EliteDesk 8 Mini G1i Desktop AI PC

Drive big workflows with a versatile AI-enhanced Mini

Delivering exceptional AI-enhanced performance with an Intel® Core™ Ultra processor[2] with an up to 13 TOPS NPU[3] and Thunderbolt™ 4, the HP EliteDesk 8 Mini G1i AI PC's compact design and versatile deployment options make it the ideal choice for modern workspaces.

Single cable solution for a tidy workspace

Transfer power, video, and data through a Thunderbolt™ 4 port and single USB-C cable, with the HP EliteDesk 8 Mini G1i AI PC when equipped with a 35 W processor[5] and selected HP displays.[4] Users can power on the Mini through the display power button, simplifying setup.

Compact size for versatile deployment across the enterprise

Featuring a compact 1L chassis and flexible deployment options, the HP EliteDesk 8 Mini G1i AI PC supports various mounting solutions[4] and offers sufficient I/O ports to connect peripherals, ensuring seamless workflows and productivity.

AI-enhanced performance to elevate enterprise productivity

Powered by the latest Intel® Core™ Ultra processor[2] with an up to 13 TOPS NPU[3], 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.



*Product image may differ from actual product

Sustainability in action

Help protect our shared future

At least 50 percent of all plastic used in this PC is post-consumer recycled plastic.[6] 100% of HP paper-based packaging is from recycled or certified sustainable sources.[7] This PC is ENERGY STAR® certified and EPEAT® Climate+ Gold registered.[8]

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HP Recommends Windows 11 Pro for business with Microsoft Copilot
Work without compromise with Windows 11 Pro and HP collaboration, security, and connectivity technology. Summarize and get relevant content recommendations with Microsoft Copilot.[1,9]

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]

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.[10]

Browse confidently
Help protect your PC from websites and read-only Microsoft Office and PDF attachments with malware, ransomware, or viruses with hardware-enforced security from HP Sure Click.[11]

Automatic recovery from firmware attacks
Firmware attacks can completely devastate your PC. Stay protected with HP Sure Start, the self-healing BIOS that automatically recovers itself from attacks or corruption.[12]

Keep your PC's security protections in place
Stop unwanted changes to security settings and help limit the spread of malware with HP Sure Run which identifies, quarantines, and provides reporting on attackers trying to kill processes.[13]

Fast and efficient Wi-Fi 7
Get a fast and reliable connection in dense wireless environments with optional gigabit data rate Wi-Fi 7.[14,15,16]

Physical tamper protection
Require a supervisor password to be used to unlock a PC anytime tamper detection sensors located on the top cover of the PC and on internal storage are removed with HP Tamper Lock.[17]

Build an ecosystem
Customize your Mini solution with a range of exclusive accessories that secure and mount your Mini and its power supply on a monitor or wall.[4]

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.[22,23]

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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] FreeDOS
Processor family	Intel® Core™ Ultra 9 processor Intel® Core™ Ultra 7 processor Intel® Core™ Ultra 5 processor
Available Processors[1,2,3,4]	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) Intel® Core™ Ultra 9 285T (up to 5.4 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 265T (up to 5.4 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 245T (up to 5.1 GHz with Intel® Turbo Boost Max Technology, 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 235T (up to 5 GHz with Intel® Turbo Boost Technology, 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 225T (up to 4.9 GHz with Intel® Turbo Boost Max Technology, 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	Intel® Q870 (vPro®)
Product colour	Jack black
Form factor	Mini
Maximum memory	64 GB DDR5-5600 MT/s; [5,6,30] Transfer rates up to 5600 MT/s.
Audio	Realtek ALC3252 codec, universal audio jack with CTIA and OMTP headset support
Expansion slots	1 M.2 2230; 3 M.2 2280 (1 M.2 2230 slot for WLAN and 3 M.2 2280 slots for storage)
Ports and connectors	Front: 1 USB Type-C® 20Gbps signaling rate; 2 USB Type-A 10Gbps signaling rate; 1 headphone/microphone combo ; Rear: 2 USB Type-A 10Gbps signaling rate; 1 HDMI 2.1; 1 RJ-45; 1 power connector; 2 DisplayPort™ 2.1; 1 Thunderbolt™ 4; 2 external antenna connector ; Optional Ports: Flex IO port 1 - choose one of the following options: 1 VGA, 1 Serial, 1 DisplayPort™ 2.1, 1 HDMI 2.1, 1 Thunderbolt 4.0, 1 Dual SuperSpeed USB 2.0 Type-A 5Gbps signaling rate, 1 Dual USB 3.2 Type-C 10Gbps signaling rate port with 15W power delivery, HP Fiber NIC (1Gbps), Intel® I226V 2.5 Gigabit Network Connection LOM (non-vPro); Flex IO port 2 - choose one of the following options: 1 serial, 1 HP Video Port Extender (2 mini DisplayPort™), 1 NVIDIA® GeForce RTX™ 5050 (8 GB GDDR7) (2 mini DisplayPort™, 1 micro HDMI), 1 Dual Type-A SuperSpeed 5Gbps Signaling rate
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[32]; HP 125 Wired Mouse; HP 128 Laser Wired Mouse; HP 125 Antimicrobial Wired Mouse; HP USB Hardened Optical Wired Mouse; HP Wired 320M Mouse
Communications	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®
Environmental	Operating temperature: 10 to 35°C; Operating humidity: 10 to 90% RH
Software	Buy Microsoft Office (sold separately)[14]; HP Hotkey support; HP Notifications; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Services Scan[15]; HP Setup Integrated OOBE; HP Smart Support[16]; HP Support Assistant[17]; HSA Fusion for Commercial; HSA Telemetry for Commercial; myHP; myHP with Multicamera support; Poly Lens[18]
Security management	Secured-Core PC Enable; HP Wolf Security for Business includes: HP Sure Start, HP Secure Erase[19]; HP Sure Admin[20]; HP Sure Click[21]; HP Sure Run[22]; HP Sure Sense[23]; HP Sure Recover[24]; HP Sure Start[25]; HP Tamper Lock[26]; Absolute Persistence Module[27]; Audio Permanent Disable; HP BIOS Recovery; BIOS Update via Network; HP BIOSphere[28]; HP Secure Erase[29]; HP DriveLock and Automatic DriveLock

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Technical specifications

Management features	HP Client Catalog (download)[7]; HP Client Management Script Library (download); HP Cloud Recovery[8]; HP Connect for Microsoft Endpoint Manager[9]; HP Driver Packs (download)[10]; HP Image Assistant (download)[11]; HP Manageability Integration Kit (download)[12]; HP Patch Assistant (download)[13]
Power	150 W external power adapter, up to 89% efficiency; 90 W external power adapter, up to 89% efficiency; 120 W external power adapter, up to 89% efficiency; 180 W external power adapter, up to 89% efficiency; 100 W external USB Type-C® power adapter, up to 88% efficiency
Dimensions	17.7 x 18.1 x 3.42 cm; 49.8 x 13.2 x 23.5 cm; 49.8 x 13.2 x 23.5 cm (USA, Brazil and Japan models only) (Package)
Weight	1.35 kg
Ecolabels	EPEAT® registered with Climate+
Energy star certified	ENERGY STAR® certified
Sustainable impact specifications	50% post-consumer recycled plastic
TCO certified	TCO Certified, generation 10[63]

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Accessories and services (not included)

HP 205 Sanitizable Desk Mat		Elevate your space with an anti-slip, durable, sanitizable[1], and spill-resistant desk mat. With effortless gliding and pinpoint accuracy, stay comfortable and tie your whole desk together with this durable desk protector. **Product number: 8X597AA** [1] Select household wipes can be safely used up to 1,000 wipes. See wipe manufacturer's instructions for disinfecting and the HP cleaning guide for HP tested wipe solutions at How to Clean Your HP Device Whitepaper (https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA7-7610ENW) [2] Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 EPEAT® standard.
HP 725 Multi-Device Rechargeable Wireless Keyboard and Mouse Combo		Work confidently with tech that keeps you productive, whenever and wherever. This thoughtfully-designed wireless keyboard and mouse work as hard as you do with ultra-fast charging supercapacitor technology, seamless connectivity, and customization. **Product number: 9T5B0UT** [1] Fast charging is based on USB Type-C ®-- 3.0 port (5V, 2.5A). The actual charging time may vary depending on the port type and environmental conditions. Usage life is an estimate and varies depending on many factors, including number of active, idle and asleep hours of use, number of applications running, environmental conditions, and features used; actual usage life will vary with usage and environmental condition. [2] USB-C to USB-A adapter cable included.

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Footnotes

Messaging Footnotes

[11] HP Sure Click requires Windows 10 and higher. See https://bit.ly/2PrLT6A_SureClick for complete details.
[12] HP Sure Start Gen7 is available on select HP PCs and requires Windows 10 Pro and higher.
[13] HP Sure Run Gen5 is available on select HP PCs and requires Windows 10 and higher.
[14] Optional feature must be configured at the time of purchase.
[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 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.
[4] Sold separately or as an optional feature.
[5] Optional feature must be configured at the time of purchase.
[6] Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.
[7] 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.
[9] 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.
[10] 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.
[15] 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.
[16] 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.
[17] HP Tamper Lock requires a supervisor password be established prior to use.
[22] 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.
[23] 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

[1] 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.[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 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 .
[2] Multi-core 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] Intel® Turbo Boost technology requires a PC with a processor with Intel Turbo Boost capability. Intel Turbo Boost performance varies depending on hardware, software and overall system configuration. See http://www.intel.com/technology/turboboost for more information.
[4] Only select processors available with each configuration.
[5] 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 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.
[6] All memory slots are customer accessible/upgradeable.
[7] HP Client Catalog not preinstalled, however available for download at https://www.hp.com/us-en/solutions/client-management-solutions.html .
[8] 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.
[9] 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.
[10] HP Driver Packs not preinstalled, however available for download at http://www.hp.com/go/clientmanagement .
[11] HP Image Assistant not preinstalled, however available for download at https://ftp.ext.hp.com/pub/caps-softpaq/cmit/HPIA.html .
[12] HP Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement .
[13] HP Patch Assistant available on select HP PCs with the HP Manageability Kit that are managed through Microsoft System Center Configuration.
[14] Microsoft 365 sold separately and requires Internet access for activation.
[15] 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 .
[16] 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 .
[17] HP Support Assistant is available on Windows. For more information, please visit http://www.support.hp.com/help/hp-support-assistant .
[18] Poly Lens Desktop requires a Windows OS.
[19] 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.
[20] 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.
[21] HP Sure Click requires Windows 10 Pro or higher or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.
[22] HP Sure Run is available on select HP PCs and requires Windows 10 and higher.
[23] HP Sure Sense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS.
[24] 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.
[25] HP Sure Start is available on select HP PCs and requires Windows 10 and higher.
[26] HP Tamper Lock can be Enabled/disabled by customers or IT administrator with administrator authority.
[27] 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/ .
[28] HP BIOSphere features may vary depending on the platform and configuration.
[29] HP Secure Erase implements the methods outlined in the National Institute of Standards and Technology Special.
[30] Only available with Alder Lake i5, i7 and i9 Processors.
[31] 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.
[32] HP 125 Antimicrobial Wired Keyboard, HP USB Hardened Mouse, Wired 125 Antimicrobial Mouse are not available in all regions.(Antimicrobial China only)
[33] ENERGY STAR and the ENERGY STAR logo are registered trademarks of the U.S. Environmental Protection Agency.
[63] TCO Certified is an ISO 14024 Type 1 sustainability label for IT products. Compliance with all criteria is independently verified.

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