HP EliteDesk 8 Mini G1a Desktop PC

The mainstream Mini for the enterprise

Empower tactical enterprise users with the strong performance of the HP EliteDesk 8 Mini G1a PC with the latest AMD Ryzen® processor.[2] Featuring advanced security and enterprise manageability, this PC is designed for deployment in tight workspaces.

HP Recommends Windows 11 Pro

Work without compromise with Windows 11[1] and HP collaboration, security, and connectivity technology.

Power through your work

Enjoy the performance provided by an AMD Ryzen™ processor.[2]

Easy to deploy

The compact 1L chassis provides flexible deployment options.



*Product image may differ from actual product

Sustainability in action

Designed with purpose

At least 50 percent of all plastic used in this PC is post-consumer recycled plastic.[4] The outer box packaging comes from certified or recycled sources of paper.[5] This PC is ENERGY STAR® certified and EPEAT Climate+ Gold registered.[6]

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Featuring

Compact enterprise mainstream Mini that's easily deployed
With support for various mounting solutions[3] the HP EliteDesk 8 Mini G1a PC offers flexible deployment options with its compact 1L chassis. Equipped with sufficient I/O ports to connect peripherals this PC ensures seamless workflows and productivity.

Single cable solution for a tidy workspace
With selected HP displays[3], the HP EliteDesk 8 Mini G1a 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.

Designed to grow with your business
Built to grow with your business, the HP EliteDesk 8 Mini G1a Desktop PC features dual M.2 SSD slots for modern storage needs, advanced onboard graphics, and enhanced toolless upgradeability and serviceability, ensuring your PC evolves with your needs.

Designed with purpose
At least 50 percent of all plastic used in this PC is post-consumer recycled plastic.[4] The outer box packaging comes from certified or recycled sources of paper.[5] This PC is ENERGY STAR® certified and EPEAT Climate+ Gold registered.[6]

HP Recommends Windows 11 Pro for Business
Work without compromise with Windows 11 Pro and HP collaboration, security, and connectivity technology.[1]

Commanding AMD processor
Take on your work with an efficient and reliable AMD Ryzen® processor.[2]

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.[7]

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.[8]

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.[9]

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.[10]

Fast and efficient Wi-Fi 7
Get a fast and reliable connection in dense wireless environments with optional gigabit data rate Wi-Fi 7.[11,12,13]

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.[14]

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.[3]

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.[18,19]

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Technical specifications

Available Operating Systems	FreeDOS[1] 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] Windows 11 Pro (Windows 11 Enterprise available with a Volume Licensing Agreement)[1]
Processor family[3]	AMD Ryzen™ 5 processor AMD Ryzen™ 5 PRO processor AMD Ryzen™ 3 processor
Available Processors[3,4]	AMD Ryzen™ 5 220 (up to 4.9GHz max boost clock, 22 MB cache, 6 cores, 12 threads) with Radeon™ 740M Graphics; AMD Ryzen™ 3 210 (up to 4.7 GHz max boost clock, 12 MB cache, 4 cores, 8 threads) with Radeon™ 740M Graphics; AMD Ryzen™ 5 PRO 215 (up to 4.7GHz max boost clock, 22 MB cache, 6 cores, 12 threads) with Radeon™ 740M Graphics
Product colour	Jack black
Form factor	Mini
Maximum memory	64 GB DDR5-5600 MT/s; [5] Transfer rates up to 5600 MT/s.
Memory slots	2 SODIMM
Internal storage	256 GB up to 1 TB PCIe® NVMe™ M.2 SSD[2] 512 GB up to 2 TB PCIe® NVMe™ TLC M.2 SSD[2] up to 512 GB PCIe® NVMe™ SED Opal 2 TLC M.2 SSD[2] up to 256 GB PCIe® NVMe™ SED Opal 2 M.2 SSD[2]
Available Graphics	Integrated: AMD Radeon™ Graphics
Audio	Realtek ALC3252 codec, universal audio jack with CTIA headset support
Expansion slots	1 M.2 2230; 2 M.2 2280 (1 M.2 slot for WLAN and 2 M.2 2280 slots for storage.)
Ports and connectors	Front: 1 USB Type-C® 10Gbps signaling rate; 2 USB Type-A 10Gbps signaling rate; 1 combo audio jack with CTIA and OMTP headset support ; Rear: 2 USB Type-A 10Gbps signaling rate; 1 HDMI 2.1; 1 RJ-45; 1 power connector; 2 DisplayPort™ 2.1; 2 external antenna connector; 1 USB4 40Gbps signaling rate (100W USB power delivery)[6] ; Optional ports: Flex IO port 2 – choose one of the following options: 1 Serial, 1 HP Video Port Extender, 1 Dual USB 2.0 Type-A SuperSpeed USB 5Gbps signaling rate; 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, Intel® I226V 2.5 Gigabit Network Connection LOM (non-vPro)[7,8,9,10]
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; HP 125 Wired Mouse; HP 128 Laser Wired Mouse; HP 125 Antimicrobial Wired Mouse; HP Wired 320M Mouse
Communications	LAN: Realtek RTL8111EPP GbE ; WLAN: MediaTek Wi-Fi 6E RZ616 (2x2) and Bluetooth® 5.3 wireless card with external antenna; Realtek Wi-Fi 6 RTL8852BE-VT 802.11a/b/g/n/ax (2x2) and Bluetooth® 5.4 wireless card; MediaTek Wi-Fi 7 MT7925 (2x2) and Bluetooth® 5.4 wireless card[8,11]
Environmental	Operating temperature: 5 to 35°C; Operating humidity: 5 to 90% RH
Software	Buy Microsoft Office[19]; HP Hotkey support; HP Notifications; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Services Scan[20]; HP Setup Integrated OOBE; HP Smart Support[21]; HP Support Assistant[22]; HSA Fusion for Commercial; HSA Telemetry for Commercial; myHP; myHP with Multicamera support; Poly Lens[23]
Security management	Secured-Core PC Enable; HP Wolf Security for Business includes: HP Sure Start, HP Secure Erase[24]; HP Sure Admin[25]; HP Sure Click[26]; HP Sure Run[27]; HP Sure Sense[28]; HP Sure Recover[29]; HP Sure Start[30]; HP Tamper Lock[31]; Absolute Persistence Module[32]; Audio Permanent Disable; HP BIOS Recovery; HP BIOS Update via Network; HP BIOSphere[33]; HP Secure Erase[34]; HP DriveLock and Automatic DriveLock

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Management features	HP Client Catalog (download)[12]; HP Client Management Script Library (download); HP Cloud Recovery[13]; HP Connect for Microsoft Endpoint Manager[14]; HP Driver Packs (download)[15]; HP Image Assistant (download)[16]; HP Manageability Integration Kit (download)[17]; HP Patch Assistant (download)[18]
Power	100 W external USB Type-C® power adapter, up to 88% efficiency; 90 W external AC power adapter, up to 89% efficiency; 120 W external AC power adapter, up to 89% efficiency; 65 W external AC power adapter, up to 89% efficiency
Dimensions	17.7 x 18.1 x 3.42 cm; 48.1 x 10.5 x 24 cm; 49.8 x 13.2 x 23.5 cm (USA and Brazil models only) (Package)
Weight	1.42 kg
Sustainable impact specifications	At least 55% post-consumer recycled plastic; Ocean-bound plastic in speaker enclosure and I/O strip; 100% recycled rare earth elements in speaker; Molded paper pulp cushion inside box is made of 100% recycled or certified sources; Bulk packaging available; Outside box and corrugated cushions are made of 100% recycled or certified sources
TCO certified	TCO Certified, generation 10[63]

HP EliteDesk 8 Mini G1a Desktop PC

Accessories and services (not included)

HP 105 Sanitizable Mouse Pad		Elevate your space with an anti-slip, durable, sanitizable[1], and spill-resistant mouse pad. With effortless gliding and pinpoint accuracy, this minimalist mouse pad maximizes movement to make the perfect accomplice to your favorite mouse. **Product number: 8X595AA** [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 515 Ultra-Fast Rechargeable Wireless Mouse		Recharge the way you work with the HP 515 Ultra-Fast Rechargeable Wireless Mouse. Charge in 3 minutes and track on almost any surface[2], with accurate control and across multiple operating systems, to maintain productivity wherever work takes you. **Product number: 9C2F7AA** [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. [2] Glass surface may affect functionality.
HP Master Keyed Cable Lock 10mm		Help keep your notebook safe in the office and high-traffic areas by tethering it to a secure surface with the HP Master Keyed Cable Lock 10mm, designed specifically for ultra-thin profile notebooks. **Product number: T1A63AA**

HP EliteDesk 8 Mini G1a Desktop PC

Footnotes

Messaging Footnotes

[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] 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. AMD's numbering is not a measurement of clock speed.
[3] Sold separately or as an optional feature.
[4] Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.
[5] 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.
[6] EPEAT registered where applicable, tier levels may vary by country. See www.epeat.net for registration status and tier levels by country.
[7] 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.
[8] EPEAT registered where applicable, tier levels may vary by country. See www.epeat.net for registration status and tier levels by country.
[8] HP Sure Click requires Windows 10 and higher. See https://bit.ly/2PrLT6A_SureClick for complete details.
[9] HP Sure Start Gen7 is available on select HP PCs and requires Windows 10 Pro and higher.
[10] HP Sure Run is available on select HP PCs and requires Windows 10 and higher.
[11] Optional feature must be configured at the time of purchase.
[12] 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.
[13] 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.
[14] HP Tamper Lock requires a supervisor password be established prior to use.
[18] 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.
[19] 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] 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 apply and additional requirements may apply over time for updates. See http://www.windows.com .
[2] For solid state drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 36 GB (for Windows) of system disk is reserved for the system recovery software.
[3] 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. AMD's numbering is not a measurement of clock speed.
[4] Max Boost clock frequency performance varies depending on hardware, software and overall system configuration.
[5] Actual transfer rate will vary and is determined by the system's configured processor. See processor specifications for supported memory data rate. All memory slots are customer accessible / upgradeable.
[6] One Type-A SuperSpeed USB 5 Gbps with wake from keyboard.
[7] Only one option card can be configured at a time.
[8] Sold separately or as an optional feature.
[9] Availability depends on model.
[10] USB-C® Alt mode DisplayPort™ 1.2 with 100W Power Delivery required selected HP display monitors with 100W power delivery capability.
[11] Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.11BE) functionality requires Windows 11 24H2 and a Wi-Fi 7 router, sold separately. Wi-Fi 7 is backwards compatible 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. NOTE: WiFi-6E and Wi-Fi 7might be restricted by local regulation and only available in countries where Wi-Fi 6E and Wi-Fi 7 are supported. HP will enable countries in the future by upgrading BIOS in default as the technology becomes available in more regions.
[12] HP Client Catalog not preinstalled, however available for download at https://www.hp.com/us-en/solutions/client-management-solutions.html .
[13] 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 .
[14] 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.
[15] HP Driver Packs not preinstalled, however available for download at http://www.hp.com/go/clientmanagement .

HP EliteDesk 8 Mini G1a Desktop PC

Footnotes

Specification Footnotes

[16] HP Image Assistant not preinstalled, however available for download at https://ftp.ext.hp.com/pub/caps-softpaq/cmit/HPIA.html .
[17] HP Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement .
[18] HP Patch Assistant available on select HP PCs with the HP Manageability Kit that are managed through Microsoft System Center Configuration.
[19] Microsoft 365 sold separately and requires Internet access for activation.
[20] 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 .
[21] 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 .
[22] HP Support Assistant is available on Windows. For more information, please visit http://www.support.hp.com/help/hp-support-assistant .
[23] Poly Lens Desktop requires a Windows OS.
[24] 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.
[25] 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.
[26] HP Sure Click requires Windows 10 Pro or higher or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.
[27] HP Sure Run is available on select HP PCs and requires Windows 10 and higher.
[28] HP Sure Sense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS.
[29] 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.
[30] HP Sure Start is available on select HP PCs and requires Windows 10 and higher.
[31] HP Tamper Lock can be Enabled/disabled by customers or IT administrator with administrator authority.
[32] 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/ .
[33] HP BIOSphere features may vary depending on the platform and configuration.
[34] HP Secure Erase implements the methods outlined in the National Institute of Standards and Technology Special.
[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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