

HP EliteDesk 800 G8 Desktop Mini PC



The mighty mini

Develop winning presentations, crunch big numbers, and quickly create compelling content with the enterprise-class power, performance, and security of the versatile, adaptable, and ultrasmall HP EliteDesk 800 Desktop Mini.



HP recommends Windows 10 Pro for business

- HP recommends Windows 10 Pro¹ for business.
- Intel® Processor²

Simplify your workspace

- Focus on what matters with the whisper quiet and ultrasmall HP EliteDesk 800 DM. Mount it behind your monitor³ or inside the HP Mini-in-One 24 Display⁴ in your home office or in smaller workspaces.

Work uninterrupted

- Work uninterrupted with an 11th Gen Intel® Core™ processor², optional NVIDIA® GTX 1660Ti graphics⁵, and the extraordinary tools of the NVIDIA® Studio.⁶ Enjoy the ultimate immersive experience on up to seven monitors.⁷

Protected by HP Wolf Security

- HP Wolf Security for Business creates an always-on, always-acting, resilient defense. From the BIOS to the browser, above and below the OS, these constantly evolving solutions help protect your PC from threats.⁸
- Get the exceptional combination of responsive performance, connectivity, and speed with an 11th Gen Intel® Core™ processor that lets you launch, create, and connect quickly and reliably.²
- Focus on work while enjoying whisper quiet operation. The HP EliteDesk 800 DM utilizes HP Run Quiet Design that finely tunes the fans to keep systems running quiet and cool.
- This PC uses five percent ocean-bound plastics in the speaker enclosure, front bezel I/O strip, and front bezel frame. It comes in 100 percent recyclable molded pulp packaging and is ENERGY STAR® certified and EPEAT® registered PC in 19 countries.^{9,10,11}
- Improve connectivity in crowded wireless environments while on Wi-Fi® with HP Extended Range Wireless LAN that allows greater distance from the transmission point and fast data throughput at shorter ranges.¹²
- Tested for 1000 cleanings, high-touched exterior surfaces can be cleaned using commonly available household disinfecting and cleaning wipes.¹³
- Quickly access and transfer data to keep up with today's changing business requirements with advanced PCIe Gen 4 SSDs, USB Type-C®, and memory with up to 3200MHz speed.
- 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 triggered with HP Tamper Lock.¹⁴

HP EliteDesk 800 G8 Desktop Mini PC Specifications Table



Available Operating Systems	Windows 10 Pro 64 – HP recommends Windows 10 Pro for business ^{1,42} Windows 10 Pro 64 (National Academic only) ^{2,42} Windows 10 Home 64 ^{1,42} Windows 10 Home Single Language 64 ^{1,42} FreeDOS
Processor family	11th Generation Intel® Core™ i7 processor; 11th Generation Intel® Core™ i5 processor; 11th Generation Intel® Core™ i9 processor
Available Processors ^{3,5,6,8}	Intel® Core™ i7-11700 with Intel® UHD Graphics 750 (2.5 GHz base frequency, up to 4.9 GHz with Intel® Turbo Boost Technology, 16 MB L3 cache, 8 cores), supports Intel® vPro® Technology; Intel® Core™ i5-11500 with Intel® UHD Graphics 750 (2.7 GHz base frequency, up to 4.6 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 6 cores), supports Intel® vPro® Technology; Intel® Core™ i7-11700T with Intel® UHD Graphics 750 (1.4 GHz base frequency, up to 4.6 GHz with Intel® Turbo Boost Technology, 16 MB L3 cache, 8 cores), supports Intel® vPro® Technology; Intel® Core™ i5-11600T with Intel® UHD Graphics 750 (1.7 GHz base frequency, up to 4.1 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 6 cores), supports Intel® vPro® Technology; Intel® Core™ i5-11500T with Intel® UHD Graphics 750 (1.5 GHz base frequency, up to 3.9 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 6 cores), supports Intel® vPro® Technology; Intel® Core™ i5-11400T with Intel® UHD Graphics 730 (1.3 GHz base frequency, up to 3.7 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 6 cores); Intel® Core™ i9-11900T with Intel® UHD Graphics 750 (1.5 GHz base frequency, up to 4.9 GHz with Intel® Turbo Boost Technology, 16 MB L3 cache, 8 cores), supports Intel® vPro® Technology
Chipset ³	Intel® Q570 (vPro®); Intel® Q570 (non-vPro®)
Form factor	Mini
Maximum memory	64 GB DDR4-3200 SDRAM ^{11,12,13} Transfer rates up to 3200 MT/s.
Memory slots	2 SODIMM
Internal storage	500 GB up to 1 TB 7200 rpm SATA ¹⁵ up to 2 TB 5400 rpm SATA ¹⁵ up to 500 GB 7200 rpm SATA SED Opal 2 HDD ¹⁵ 256 GB up to 512 GB PCIe® NVMe™ M.2 SSD ¹⁵ 256 GB up to 2 TB PCIe® NVMe™ TLC M.2 SSD ¹⁵ 256 GB up to 512 GB PCIe® NVMe™ SED Opal 2 TLC M.2 SSD ¹⁵ 256 GB up to 512 GB Intel® Optane™ Memory H10 with Solid State Storage ^{14,15,16}
Available Graphics	Integrated: Intel® UHD Graphics 730; Intel® UHD Graphics 750 Discrete: NVIDIA® GeForce® GTX 1660 Ti (6 GB GDDR6 dedicated) ^{23,46}
Audio	Realtek ALC3205 codec, internal speaker, combo microphone/headphone jack
Expansion slots	1 M.2 2230; 2 M.2 2280 (1 M.2 2230 slot for WLAN and 2 M.2 2280 slots for storage)
Memory card device	1 5-in-1 SD media card reader
Ports and Connectors	Front: 1 headset connector; 1 SuperSpeed USB Type-A 10Gbps signaling rate; 1 SuperSpeed USB Type-A 5Gbps signaling rate; 1 SuperSpeed USB Type-C® 20Gbps signaling rate Rear: 1 power connector; 1 RJ-45; 2 SuperSpeed USB Type-A 10Gbps signaling rate; 2 SuperSpeed USB Type-A 5Gbps signaling rate; 2 DisplayPort™ 1.4 Optional Ports: Add-on card: 1 serial and PS/2 ports combination; Flex I/O port 2 – choose one of the following options: 2 USB 2.0 Type-A 480Mbps signaling rate, 1 serial; Flex I/O port 1 – choose one of the following options: 1 VGA, 1 DisplayPort™ 1.4, 1 HDMI 2.0b, 1 SuperSpeed USB Type-C® 10Gbps signaling rate (100W Power Intake, Alt Mode DisplayPort™), 2 SuperSpeed USB Type-A 5Gbps signaling rate, HP Fiber NIC Port (100Mbps), HP Fiber NIC Port (1 Gbps), Intel® I225-LM 2.5 Gigabit Network Connection LOM, 1 Thunderbolt™ 3 with USB 4.0, 1 serial ⁴⁷
Input devices	HP Wired Desktop 320K Keyboard; HP Wireless Business Slim Keyboard and mouse combo; HP USB Business Slim SmartCard CCID Keyboard; HP USB Fingerprint Mouse; HP Wired Desktop 320M mouse; HP 125 Wired Mouse; HP 128 Laser Wired Mouse;
Communications	LAN: Integrated Intel® i219LM GbE LOM ; WLAN: Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5.1 M.2 combo, non-vPro®; Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5.1 M.2 combo, vPro® ^{20,21} ;
Drive Bays	One 2.5" HDD ¹⁸
Environmental	Operating temperature: 10 to 35°C; Operating humidity: 10 to 90% RH;
Software	HP Noise Cancellation Software; HP Support Assistant; HP Connection Optimizer; Buy Office (sold separately); HP JumpStarts; HP Privacy Settings; HP Desktop Support Utilities; MyHP; HP QuickDrop; HP Easy Clean; HP WorkWell; HP PC Hardware Diagnostics ⁴⁶
Security management	Power-on password (via BIOS); SATA port disablement (via BIOS); Setup password (via BIOS); Support for chassis padlocks and cable lock devices; Serial enable/disable (via BIOS); HP Secure Erase; HP Sure Click; HP Sure Sense; HP DriveLock and Automatic DriveLock; Trusted Platform Module TPM 2.0 Embedded Security Chip shipped with Windows 10. (Common Criteria EAL4+ Certified); HP Sure Start Gen6; HP BIOSphere Gen6; HP Sure Admin; HP Client Security Manager Gen7; HP Sure Recover Gen4; HP Sure Run Gen4; HP Tamper Lock ^{30,31,32,33,34,35,37,38}
Management features	HP BIOS Configuration Utility (download); HP Client Catalog (download); HP Driver Packs (download); HP System Software Manager (download); HP Cloud Recovery; HP Management Integration Kit for Microsoft System Center Configuration Management Gen 4; HP Image Assistant Gen 5 (download); HP Client Management Script Library (download); Ivanti Management Suite (download) ^{27,28,29}
Power	90 W external power adapter, up to 89% efficiency; 120 W external power adapter, up to 89% efficiency, active PFC; 180 W external power adapter, up to 89% efficiency, active PFC ³⁹
Dimensions	17.7 x 17.5 x 3.4 cm
Weight	1.42 kg (Exact weight depends on configuration.)
Energy efficiency compliance	ENERGY STAR® certified; EPEAT® registered ⁴⁰
Sustainable impact specifications	35% post-consumer recycled plastic; 10% ITE-derived closed loop plastic; Bulk packaging available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Ocean-bound plastic in speaker enclosure, I/O strip and bezel frame ^{43,44,45,46}
Warranty	3 year (3/3/3) limited warranty includes 3 years of parts, labor and on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.

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Accessories and services (not included)

HP Wireless Premium Mouse



Create a sleek, professional, clutter-free workspace and give yourself room to move around with the HP Wireless Premium Mouse, which integrates seamlessly with your HP notebook.
Product number: 1JR31AA

HP DisplayPort To VGA Adapter



Converts the DisplayPort connector on a HP Compaq Business Desktop computer to a VGA port.
Product number: AS615AA

HP HDMI Standard Cable



Use the cable to connect your desktop to your standard HDMI devices and displays.
Product number: T6F94AA

HP 5 year Next Business Day Onsite Hardware Support for Desktops



Receive 5 years of next business day onsite HW Support from an HP-qualified technician for your computing device, if the issue cannot be solved remotely.
Product number: U7899E

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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 10 is automatically updated, which is always enabled. 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 Sold separately or as an optional feature.
- ⁴ HP Mini-in-One 24 Display sold separately. PC must be configured with optional USB-C® with 100W Power Delivery card to power the PC from the monitor.
- ⁵ Optional feature that must be configured at the time of purchase.
- ⁶ Drivers downloadable from <https://www.nvidia.com/>
- ⁷ Seven displays sold separately and only supported on 35W processor model configured with an NVIDIA GTX 1660Ti graphics card at the time of purchase.
- ⁸ PC speaker enclosure, front bezel I/O strip, and front bezel frame components each made with 5% ocean-bound plastic.
- ¹⁰ 100% outer box packaging made from sustainably sourced certified and recycled fibers. Fiber cushions made from 100% recycled wood fiber and organic material. Any plastic cushions are made from >90% recycled plastic.
- ¹¹ Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for more information.
- ¹² Based on internal testing of products with and without HP Extended Range Wireless LAN.
- ¹³ Select household wipes can be safely used to clean select HP commercial PCs. See wipe manufacturer's instructions for disinfecting and the HP cleaning guide for HP tested wipe solutions at How to Sanitize Your HP Device Whitepaper (<https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA7-7610ENW>) not applicable to HP Elite c1030 Chromebook.
- ¹⁴ HP Tamper Lock requires a supervisor password be established prior to use.

Technical Specifications 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 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.windows.com/>.
- ² Some devices for academic use will automatically be updated to Windows 10 Pro Education with the Windows 10 Anniversary Update. Features vary; see <https://aka.ms/ProEducation> for Windows 10 Pro Education feature information.
- ³ For full Intel® vPro™ functionality, Windows, a vPro supported processor, vPro enabled Q570 chipset or higher and vPro enabled WLAN card are required. Some functionality, such as Intel Active management technology and Intel Virtualization technology, requires additional 3rd party software in order to run. Availability of future "virtual appliances" applications for Intel vPro technology is dependent on 3rd party software providers. Compatibility of this generation of Intel vPro technology-based hardware with future "virtual appliances" is yet to be determined.
- ⁵ 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.
- ⁶ 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.
- ⁸ Only select processors available with each configuration.
- 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 3200 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/upgradable.
- ¹² All memory slots are customer accessible/upgradable.
- ¹³ Only available with Rocket Lake i5, i7 and i9 Processors.
- ¹⁴ Intel® Optane™ H10 memory system acceleration does not replace or increase the DRAM in your system. Requires 8th Gen or higher Intel® Core™ processor, BIOS version with Intel® Optane™ supported, Windows 10 64-bit, and an Intel® Rapid Storage Technology (Intel® RST) driver.
- ¹⁵ 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.
- ¹⁶ Intel® Optane™ memory system acceleration does not replace or increase the DRAM in your system. Requires 8th Gen or higher Intel® Core™ processor, BIOS version with Intel® Optane™ supported, Windows 10 64-bit, and an Intel® Rapid Storage Technology (Intel® RST) driver.
- ¹⁸ Sold separately or as an optional feature.
- ²⁰ Wireless access point and Internet service required and not included. Availability of public wireless access points limited.
- ²¹ Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 (802.11ax) are draft and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other 802.11ax devices. Only available in countries where 802.11ax is supported.
- ²³ Only Available on 35W processor.
- ²⁶ HP Support Assistant: Requires Windows and Internet access.
- ²⁷ HP Driver Packs: Not preinstalled, however available for download at <http://www.hp.com/go/clientmanagement>
- ²⁸ HP Manageability Integration Kit can be downloaded from <http://www.hp.com/go/clientmanagement>.
- ²⁹ HP Cloud Recovery is available for HP Elite and Pro desktops and laptops PCs with Windows and Intel® or AMD processors and requires an open, wired 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>.
- ³⁰ HP BIOSphere Gen6 is available on select HP Pro and Elite PCs. See product specifications for details. Features may vary depending on the platform and configurations.
- ³¹ HP Secure Erase 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™.
- ³² HP Sure Run Gen4 is available on select Windows 10 based HP Pro, Elite and Workstation PCs with select Intel® or AMD processors.
- ³³ HP Sure Click requires Windows 10 Pro or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.
- ³⁴ HP Client Security Manager Gen7 requires Windows and is available on the select HP Elite and Pro PCs.
- ³⁵ HP Sure Start Gen6 is available on select HP PCs.
- ³⁶ Molded pulp cushions are made from 100% recycled wood fiber and organic materials.
- ³⁷ HP Sure Recover Gen4 is available on select HP PCs and requires an open network connection. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data.
- ³⁸ HP Sure Sense requires Windows 10 Pro or Enterprise.
- ³⁹ 150 W external power adapter, up to 89% efficiency, active PFC: when ordered with an AMD Radeon RX 560 with 4GB GDDR discrete graphics card.
- ⁴⁰ Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.
- ⁴¹ External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
- ⁴² HP tested Windows 10, version 20H2 on this platform. For testing information on newer versions of Windows 10, please see <https://support.hp.com/document/c05195282>.
- ⁴³ Percentage of ocean-bound plastic contained in each component varies by product.
- ⁴⁴ ITE Derived Closed Loop Plastic percentage is based on the definition set in the IEEE 1680.1-2018 standard.
- ⁴⁵ Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.
- ⁴⁶ The card could be configured with the flex I/O port 2 as an optional.
- ⁴⁷ Fiber NIC (100Mbps and 1Gbps) cards would not be available in some selected European countries and Korea.

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