Data sheet

HP EliteDesk 800 G6 Desktop Mini PC

Power and performance without compromise in an ultra-small package

Get to work fast with the compact, high-performance HP EliteDesk 800 Desktop Mini. It's designed for the open office with improved acoustics to help you focus, HP Extended Range Wireless LAN[3] that quickly cuts through network clutter, and scalable features for your specific deployment.



*Product image may differ from actual product

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Evolving with the modern workplace

- Reclaim your desk with a PC you can install behind your monitor or inside the HP Mini-in-One 24 Display[4] for a single-footprint solution. Connect fast in busy spaces with HP Extended Range Wireless LAN.[3] Enjoy whisper quiet operation with HP Run Quiet Design.

Create and do more

- Unleash your creativity with our only VR-capable Desktop Mini. Configure with an optional NVIDIA® GTX 1660 Ti graphics card[5] to tap into the extraordinary tools of the NVIDIA® Studio. Enjoy the ultimate immersive experience on up to seven monitors.[6]

Enhanced data and device security

- Get a highly secure PC reinforced by the full HP security suite. Integrate into the most secure network infrastructures with an optional fiber network adapter.[7] Store and lock your Mini and power cord in the optional HP Lock Box.[8]
- Expand with your business needs with two Flex option slots and optimal configurability for legacy and evolving connectivity.[5]
- Customize your Mini solution with a range of exclusive accessories that secure and mount your Mini and its power supply on a monitor, wall or rack.[8]
- Support your sustainability initiatives with a PC that's built with ocean-bound plastics. We go one step further with 90% recyclable packaging that's easily accepted by recycling facilities.[9]
- Stop unwanted changes to security settings and help limit the spread of malware with HP Sure Run Gen3 which identifies, quarantines, and provides reporting on attackers trying to kill processes.[10]
- HP Sure Recover Gen3 ensures fast, secure, and automated recovery that can be paused or retried over a LAN or Wi-Fi® network connection.[11]
- Firmware attacks can completely devastate your PC. Stay protected with HP's self-healing BIOS—HP Sure Start Gen6 automatically recovers the BIOS from malware, rootkits, or corruption.[12]
- Malware is evolving rapidly, and traditional antivirus can't always recognize new attacks. Protect your PC against never-before-seen attacks with HP Sure Sense, which uses deep learning AI to provide exceptional protection against advanced malware.[13]
- Keep productivity high and downtime low with HP BIOSphere Gen6 firmware-level automation. Your PCs have extra protection thanks to automatic updates and security checks.[14]
- Improve the quality and security of custom Windows images with HP Image Assistant, which assists ITDMs with image creation, identifies problems, and provides recommendations and remediation.
- Simplify securing your PC. HP Client Security Manager Gen6 offers a single interface to set up and manage powerful security features, including HP SpareKey and HP Password Manager.[18]

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HP EliteDesk 800 G6 Desktop Mini PC Specifications Table





*Product image may differ from actual product

Available Operating Systems	Windows 11 Pro[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 10 Pro[1] Windows 10 Home – HP recommends Windows 11 Pro for business[1] Windows 10 Home Single Language – HP recommends Windows 11 Pro for business[1] FreeDOS (Device comes with Windows 10 and a free Windows 11 upgrade or may be preloaded with Windows 11. Upgrade timing may vary by device. Features and app availability may vary by region. Certain features require specific hardware (see Windows 11 Specifications).)
Processor family[4]	10th Generation Intel® Core™ i3 processor; 10th Generation Intel® Core™ i5 processor; 10th Generation Intel® Core™ i7 processor; 10th Generation Intel® Core™ i9 processor; Intel® Pentium® processor
Available Processors[3,5,6,8,10]	Intel® Core™ i5-10400 with Intel® UHD Graphics 630 (2.9 GHz base frequency, up to 4.3 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 6 cores); Intel® Core™ i3-10300 with Intel® UHD Graphics 630 (3.7 GHz base frequency, up to 4.4 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores); Intel® Core™ i3-10100 with Intel® UHD Graphics 630 (3.6 GHz base frequency, up to 4.3 GHz with Intel® Turbo Boost Technology, 6 MB L3 cache, 4 cores); Intel® Core™ i7-10700T with Intel® UHD Graphics 630 (2.0 GHz base frequency, up to 4.4 GHz with Intel® Turbo Boost Technology, 16 MB L3 cache, 8 cores), supports Intel® vPro™ Technology; Intel® Core™ i5-10400T with Intel® UHD Graphics 630 (2.0 GHz base frequency, up to 3.6 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 6 cores); Intel® Core™ i3-10300T with Intel® UHD Graphics 630 (3.0 GHz base frequency, up to 3.9 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores); Intel® Core™ i3-10100T with Intel® UHD Graphics 630 (3.0 GHz base frequency, up to 3.8 GHz with Intel® Turbo Boost Technology, 6 MB L3 cache, 4 cores); Intel® Pentium® Gold G6500 with Intel® UHD Graphics 630 (4.1 GHz base frequency, 4 MB L3 cache, 2 cores); Intel® Pentium® Gold G6500T with Intel® UHD Graphics 630 (3.5 GHz base frequency, 4 MB L3 cache, 2 cores); Intel® Pentium® Gold G6400T with Intel® UHD Graphics 610 (3.4 GHz base frequency, 4 MB L3 cache, 2 cores); Intel® Pentium® Gold G6400 with Intel® UHD Graphics 610 (4.0 GHz base frequency, 4 MB L3 cache, 2 cores); Intel® Core™ i3-10320 with Intel® HD Graphics 630 (3.8 GHz base frequency, up to 4.6 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores); Intel® Core™ i5-10600K with Intel® UHD Graphics 630 (4.1 GHz base frequency, up to 4.8 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 10 cores), supports Intel® vPro® Technology; Intel® Core™ i5-10500T with Intel® HD Graphics 630 (2.3 GHz base frequency, up to 3.8 GHz with Intel® Turbo Boost Technology,1212 MB L3 cache, 6 cores) supports Intel® vPro® Technology; Intel® Core™ i5-10500 with Intel® HD Graphics 630 (3.1 GHz base frequency, up to 4.5 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 6 cores), supports Intel® vPro™ Technology; Intel® Pentium® Gold G6600 with Intel® UHD Graphics 630 (4.2 GHz base frequency, 4 MB L3 cache, 2 cores); Intel® Core™ i5-10600T with Intel® UHD Graphics 630 (2.4 GHz base frequency, up to 4.0 GHz with Intel® Turbo Boost Technology,12 MB L3 cache, 6 cores) supports Intel® vPro® Technology
Chipset[3]	Intel® Q470 (vPro®)
Form factor	Mini
Maximum memory	128 GB DDR4-3200 SDRAM[11,12,13,14] Transfer rates up to 2933 MT/s.
Memory slots	2 SODIMM
Internal storage	500 GB up to 2 TB 7200 rpm SATA[15,17,19] up to 2 TB 5400 rpm SATA[15,17,19] up to 500 GB 7200 rpm SATA SED Opal 2 HDD[15,19] up to 500 GB 7200 rpm SATA FIPS SED[15,17,19] 256 GB up to 512 GB PCIe® NVMe™ M.2 SSD[15] 128 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[15,16] 16 GB NVMe™ Intel® Optane™ Memory for storage acceleration[16]
Available Graphics	Integrated: Intel® UHD Graphics 610; Intel® UHD Graphics 630 Discrete: NVIDIA® GeForce® GTX 1660 Ti (6 GB GDDR6 dedicated)[2,3]
Audio	Realtek ALC3867 codec, universal audio jack with CTIA headset support, audio line-out rear ports (3.5 mm), multi-streaming capable
Expansion slots	1 M.2 2230; 2 M.2 2242/2280 (1 M.2 slot for WLAN and 2 M.2 2242/2280 slot for storage.)
Ports and Connectors	Rear: 1 power connector; 1 RJ-45; 2 SuperSpeed USB Type-A 10Gbps signaling rate; 2 SuperSpeed USB Type-A 5Gbps signaling rate; 2 dual-mode DisplayPort™ 1.4; Front: 1 headset connector; 1 SuperSpeed USB Type-C® 10Gbps signaling rate; 1 SuperSpeed USB Type-A 10Gbps signaling rate; 1 SuperSpeed USB Type-A 5Gbps signaling rate; Optional Ports: Flex IO port 1 – choose one of the following options: 1 Thunderbolt™ 3 (40Gbps signaling rate) with SuperSpeed USB Type-C® 10Gbps signaling rate (DisplayPort™), VGA, DisplayPort™ 1.4, 1 SuperSpeed USB Type-C® 10Gbps signaling rate (100 W Power Intake, DisplayPort™ Alt Mode), HDMI 2.0, 2 SuperSpeed USB Type-A 10Gbps signaling rate, 1 HP Fiber NIC Port (100Mbps), 1 HP Fiber NIC Port (1Gbps), Intel® I225-LM 2.5 Gigabit Network Connection LOM; Flex IO port 2 – choose one of the following options: Dual USB 2.0 Type-A 480Mbps signaling rate, VR Ready NVIDIA GTX 1660 Ti discrete GPU (6 GB GDDR6 dedicated), Serial5-232[43]
Input devices	HP USB Smart Card (CCID) Keyboard; HP Wireless Business Slim Keyboard and Mouse Combo; HP Wired Desktop 320K Keyboard[24,25]; HP USB 1000 dpi Laser Mouse; HP USB Optical Mouse; HP USB Fingerprint Mouse; HP Wired Desktop 320M Mouse;
Communications	LAN: Integrated Intel® I219LM GbE LOM; WLAN: Intel® Wi-Fi 6 AX201 (2x2) Wi-Fi® and Bluetooth® M.2 combo card, non-vPro™; Intel® Wi-Fi 6 AX201 (2x2) Wi-Fi® and Bluetooth® M.2 combo card, vPro™; Realtek RTL8822CE 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® M.2 combo card;
Drive Bays	One 2.5" HDD[18,19]
Environmental	Operating temperature: 10 to 35°C; Operating humidity: 10 to 90% RH;
Software	HP Noise Cancellation Software; HP Support Assistant; Buy Office (sold separately); HP JumpStarts; HP Wake on WLAN; HP Desktop Support Utilities;[26]
Available software	HP Smart Support[44]
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 Recover Gen3; HP Sure Run Gen3; HP Sure Start Gen6; HP BIOSphere Gen6; HP Client Security Manager Gen6;[30,31,32,33,34,35,36,37,38]
Management features	HP BIOS Config 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[27,28,29]
Power	65 W external power adapter, up to 89% efficiency; 90 W external power adapter, up to 89% efficiency; 150 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.)
Ecolabels	ENERGY STAR® certified; EPEAT® 2019 registered where applicable[40]
Sustainable impact specifications	Low halogen[41]
Warranty	3 year (3-3-3) limited warranty and service offering 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 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

[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] Based on internal testing vs. previous generation product with 802.11ac wireless LAN module.
[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] displays sold separately and only supported on 35W processor model configured with an NVIDIA GTX 1660 Ti graphics card at the time of purchase.
[7] Optional feature that must be configured at the time of purchase.
[8] Sold separately or as an optional feature.
[9] Speaker enclosure component made with 5% ocean bound plastic.
[10] HP Sure Run Gen3 is available on select Windows 10 based HP Pro, Elite and Workstation PCs with select Intel® or AMD processors.
[11] HP Sure Recover Gen3 is available on select HP PCs and requires an open network connection. Not available on platforms with multiple internal storage drives. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data.
[12] HP Sure Start Gen6 is available on select HP PCs.
[13] HP Sure Sense requires Windows 10 Pro or Enterprise.
[14] HP BIOSphere Gen6 features may vary depending on configuration.
[18] HP Client Security Manager Gen6 requires Windows and is available on the select HP Elite and Pro PCs.

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 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 .
[3] For full Intel® vPro™ functionality, Windows, a vPro supported processor, vPro enabled Q370 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.
[4] Some functionality of vPro™ technology, 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 dependant on 3rd party software providers. Compatibility of this generation of Intel vPro technology-based hardware with 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.
[10] Intel® Core™ i5-8500T with Intel® UHD Graphics 630: Only available on 35W processor; Intel® Core™ i5-8500 with Intel® UHD Graphics 630: Only available on 65W processor.
[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; 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.
[12] All memory slots are customer accessible/upgradeable.
[13] Only available with i5, i3, Celeron® and Pentium Gold Processors.
[14] Only available with i7 and i9 Processors.
[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.
[17] Not available with all processors.
[18] Sold separately or as an optional feature.
[19] Not available with 95W processor.
[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.
[24] Antimicrobial USB Mouse, HP USB Hardened Mouse, HP USB Grey Mouse and HP USB Business Slim Antimicrobial Keyboard are not available in all regions.
[25] PS/2 port not available on EliteDesk 800 G6 DMs.
[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 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 Gen3 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 Gen6 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] HP Sure Run Gen3 is available on select Windows 10 based HP Pro, Elite and Workstation PCs with select Intel® or AMD processors.
[37] HP Sure Recover Gen3 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.
[43] Fiber NIC (100Mbps and 1Gbps) cards would not be available in some selected European countries and Korea.
[44] 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

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November 2022