



HP EliteDesk 800 G4 Small Form Factor PC

Security, manageability, and performance in a modern compact design

Powered for the enterprise, the HP EliteDesk 800 SFF is one of our most secure and manageable PCs featuring high performance and expandability in a space-saving, stylishly designed chassis for the modern workplace.



HP recommends Windows 10 Pro.

- Windows 10 Pro¹
- HP Sure Start Gen4²

Performance first

- High-performance users will enjoy huge expansion, powerful 8th Gen Intel® Core™ processors⁴, and Intel® Optane™ memory⁵. Amplify performance with optional 95W processors⁶, and Thunderbolt™⁶.

Expansion that extends your investment

- The HP EliteDesk 800 SFF sets a new standard for expandability with four bays and four slots, plus three additional M.2 slots, and plenty of configurable ports.

Strong security, powerful manageability

- Protect your PC against the evolving malware threats of the future, with self-healing, hardware-enforced, and manageable security solutions from HP. From the BIOS to the browser HP Sure Start Gen4² and HP Sure Click⁷ help secure your PC.

Configurable ports for displays or Thunderbolt™⁶

- Configure a rear I/O port for customizable display connections with your choice of VGA, DisplayPort™, HDMI or USB Type-C™ with DisplayPort™. Or, choose Thunderbolt™⁶ for high-speed file transfer.

Featuring

- Power through your day with Windows 10 Pro with built-in security, collaboration, and connectivity.
- Protect the firmware that antivirus can't reach! The hardware-enforced self-healing protection offered by HP Sure Start Gen4 automatically recovers the BIOS from malware, rootkits, or corruption.
- Keep your critical applications and processes running even if malware tries to shut them down with self-healing protection.
- Help protect your PC from websites, attachments, malware, ransomware, and viruses with hardware-enforced security from HP Sure Click.
- Quickly and securely restore PCs to the latest image using a network connection with HP Sure Recover.
- Improve the quality and security of custom Windows images with HP Image Assistant Gen3 which assists ITDMs with image creation, identifies problems, and provides recommendations and remediation.
- The HP Manageability Integration Kit helps speed up image creation and management of hardware, BIOS, and security through Microsoft System Center Configuration Manager.
- Fortify your security with up to three authentication factors.

HP EliteDesk 800 G4 Small Form Factor PC Specifications Table



Available Operating Systems	Windows 10 Pro 64 – HP recommends Windows 10 Pro. ¹ Windows 10 Pro 64 (National Academic only) ² Windows 10 Home 64 ¹ Windows 10 Home Single Language 64 ¹ FreeDOS
Processor family ¹⁹	Intel® Celeron® processor (G4900 is Windows 10 only); 8th Generation Intel® Core™ i3 processor (i3-8100, i3-8300); Intel® Pentium® processor (G5400, G5500, G5600 are Windows 10 only); 8th Generation Intel® Core™ i5 processor (i5-8500, i5-8600, i5-8600K); 8th Generation Intel® Core™ i7 processor (i7-8700, i7-8700K); 8th Generation Intel® Core™ i7+ processor (i7-8700, i7-8700K); 8th Generation Intel® Core™ i5+ processor (i5-8500, i5-8600, i5-8600K)
Available Processors ^{3,20,35,36}	Intel® Celeron® G4900 with Intel® UHD Graphics 610 (3.1 GHz base frequency, 2 MB cache, 2 cores); Intel® Core™ i3-8100 with Intel® UHD Graphics 630 (3.6 GHz base frequency, 6 MB cache, 4 cores); Intel® Core™ i3-8300 with Intel® UHD Graphics 630 (3.7 GHz base frequency, 8 MB cache, 4 cores); Intel® Core™ i5+ 8500 (Core™ i5 and 16 GB Intel® Optane™ memory) (3 GHz base frequency, up to 4.1 GHz with Intel® Turbo Boost Technology, 9 MB cache, 6 cores); Intel® Core™ i5+ 8600 (Core™ i5 and 16 GB Intel® Optane™ memory) (3.1 GHz base frequency, up to 4.3 GHz with Intel® Turbo Boost Technology, 9 MB cache, 6 cores); Intel® Core™ i5+ 8600K (Core™ i5 and 16 GB Intel® Optane™ memory) (3.6 GHz base frequency, up to 4.3 GHz with Intel® Turbo Boost Technology, 9 MB cache, 6 cores); Intel® Core™ i5-8500 with Intel® UHD Graphics 630 (3 GHz base frequency, up to 4.1 GHz with Intel® Turbo Boost Technology, 9 MB cache, 6 cores) supports Intel® vPro™ Technology; Intel® Core™ i5-8600 with Intel® UHD Graphics 630 (3.1 GHz base frequency, up to 4.3 GHz with Intel® Turbo Boost Technology, 9 MB cache, 6 cores) supports Intel® vPro™ Technology; Intel® Core™ i5-8600K with Intel® UHD Graphics 630 (3.6 GHz base frequency, up to 4.3 GHz with Intel® Turbo Boost Technology, 9 MB cache, 6 cores) supports Intel® vPro™ Technology; Intel® Core™ i7+ 8700 (Core™ i7 and 16 GB Intel® Optane™ memory) (3.2 GHz base frequency, up to 4.6 GHz with Intel® Turbo Boost Technology, 12 MB cache, 6 cores); Intel® Core™ i7+ 8700K (Core™ i7 and 16 GB Intel® Optane™ memory) (3.7 GHz base frequency, up to 4.7 GHz with Intel® Turbo Boost Technology, 12 MB cache, 6 cores); Intel® Core™ i7-8700 with Intel® UHD Graphics 630 (3.2 GHz base frequency, up to 4.6 GHz with Intel® Turbo Boost Technology, 12 MB cache, 6 cores) supports Intel® vPro™ Technology; Intel® Core™ i7-8700K with Intel® UHD Graphics 630 (3.7 GHz base frequency, up to 4.7 GHz with Intel® Turbo Boost Technology, 12 MB cache, 6 cores) supports Intel® vPro™ Technology; Intel® Pentium® Gold G5500 with Intel® UHD Graphics 630 (3.8 GHz base frequency, 4 MB cache, 2 cores); Intel® Pentium® Gold G5600 with Intel® UHD Graphics 630 (3.9 GHz base frequency, 4 MB cache, 2 cores)
Chipset ²⁰	Intel® Q370 (vPro); Intel® Q370 (non-vPro)
Form factor	Small form factor
Maximum memory	64 GB DDR4-2666 SDRAM ^{4,13} Transfer rates up to 2666 MT/s.
Memory slots	4 DIMM
Internal storage	500 GB up to 1 TB 7200 rpm SATA ⁵ up to 2 TB 5400 rpm SATA ⁵ up to 500 GB SATA SED Opal 2 HDD ⁵ up to 500 GB 7200 rpm SATA FIPS SED ⁵ 500 GB up to 1 TB 5400 rpm SATA SSHD ⁵ 256 GB up to 512 GB SATA SED Opal 2 TLC SSD ⁵ 256 GB up to 512 GB SATA FIPS SSD ⁵ 128 GB up to 512 GB PCIe® NVMe™ M.2 SSD ⁵ 128 GB up to 1 TB PCIe® NVMe™ TLC M.2 SSD ⁵ 256 GB up to 512 GB PCIe® NVMe™ SED Opal 2 TLC M.2 SSD ⁵
Storage acceleration	16 GB NVMe™ Intel® Optane™ Memory for storage acceleration ¹⁸
Additional storage	5-in-1 SD card reader
Optical drive	HP 9.5 mm Slim DVD-Writer
Available Graphics	Integrated: Intel® UHD Graphics 630; Intel® UHD Graphics 610 Discrete: AMD Radeon™ R7 430 Graphics (2 GB GDDR5 dedicated); AMD Radeon™ RX 550X Graphics (4 GB GDDR5 dedicated); NVIDIA® GeForce® GT 730 (2 GB DDR5 dedicated); NVIDIA® Quadro® P400 (2 GB GDDR5 dedicated) ³⁸
Audio	Conexant CX20632 codec, universal audio jack, headset and headphone front ports (3.5 mm), multi-streaming capable
Expansion slots	1 M.2 2230; 2 M.2 2230/2280; 1 PCIe 3.0 x16; 1 PCIe 3.0 x16 (wired as x4); 2 PCIe 3.0 x1 (1 PCIe M.2 2230 slot for WLAN and 2 PCIe M.2 2230/2280 slot for storage.)
Ports and Connectors	Front: 1 headphone; 1 headset connector; 1 USB 2.0; 1 USB 2.0 (fast charging); 1 USB Type-C™ (charging); 2 USB 3.1 Gen 2 Rear: 1 audio-in; 1 audio-out; 1 power connector; 1 RJ-45; 2 USB 2.0; 2 DisplayPort™ 1.2; 2 USB 3.1 Gen 1; 2 USB 3.1 Gen 2 Optional: 1 DisplayPort™ 1.2; 1 HDMI 2.0; 1 serial; 1 USB 3.1 Type-C™ Gen 1 (DisplayPort™); 1 VGA
Input devices	HP Conferencing Keyboard; HP PS/2 Business Slim Keyboard; HP PS/2 Keyboard; HP USB Business Slim Keyboard; HP USB Keyboard; HP Wireless Business Slim Keyboard and Mouse Combo; HP Wireless Collaboration Keyboard ¹⁴ ; HP PS/2 Mouse; HP USB 1000 dpi Laser Mouse; HP USB Antimicrobial Mouse; HP USB Hardened Mouse; HP USB Optical Mouse; HP USB Premium Mouse ⁵
Communications	LAN: Integrated Intel® I219LM GbE LOM; Intel® I210-T1 PCIe® GbE ¹⁶ ; WLAN: Realtek RTL8822BE-CG 802.11a/b/g/n/ac (2x2) with Bluetooth® 4.1 M.2 PCIe®; Intel® Dual Band Wireless-AC 9560 802.11ac (2x2) and Bluetooth® 5 M.2, non-vPro™; Intel® Dual Band Wireless-AC 9560 802.11ac (2x2) and Bluetooth® 5 M.2, vPro™; Realtek RTL8821CE-CG 802.11a/b/g/n/ac (1x1) with Bluetooth® 4.2 M.2 PCIe® ^{7,20} ;
Drive Bays	1 slim ODD; One 2.5" HDD; Two 3.5" HDD
Environmental	Operating temperature: 10 to 35°C; Operating humidity: 10 to 90% RH
Available Software	Absolute Persistence module; HP Hotkey Support; HP Noise Cancellation Software; HP Support Assistant; Native Miracast Support; HP Wireless Wakeup; Buy Office (sold separately); HP Sure Recover; HP JumpStarts ^{9,17,22,24}
Security management	DriveLock; HP BIOSphere; HP Password Manager; HP Power On Authentication; Intel® Identity Protection Technology (Intel® IPT); Power-on password (via BIOS); RAID configurations; Removable media write/boot control; SATA port disablement (via BIOS); Setup password (via BIOS); Support for chassis padlocks and cable lock devices; USB enable/disable (via BIOS); Solenoid lock and hood sensor; HP Client Security Suite Gen 4; HP Sure Run; Parallel enable/disable (via BIOS); Serial enable/disable (via BIOS); Trusted Platform Module TPM 2.0 Embedded Security Chip shipped with Windows 10 (Common Criteria EAL4+ Certified)(FIPS 140-2 Level 2 Certified) ^{11,27,28,30,31,32,33,34,37}
Management features	HP BIOS Config Utility (download); HP Client Catalog (download); HP Driver Packs (download); HP System Software Manager (download); Ivanti Management Suite; HP Management Integration Kit for Microsoft System Center Configuration Management Gen 2 ^{10,25,26}
Power	250 W internal power supply, up to 92% efficiency, active PFC
Dimensions	10 x 33.8 x 30.8 cm
Weight	6.71 kg (Exact weight depends on configuration.)
Energy efficiency compliance	ENERGY STAR® certified; EPEAT® 2019 registered where applicable ¹²
Environmental specifications	Low halogen ¹⁵

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Accessories and services (not included)

HP Wireless Slim Business Keyboard



Enjoy easy data entry and wireless connectivity with the HP Wireless Business Slim Keyboard, designed to complement the 2015 class of HP Business PCs.

Product number: N3R88AA

HP UC Wireless Duo Headset



Take a call up to 100 feet away from your desk or phone with the HP UC Wireless Duo Headset and get premium stereo sound and noise cancelling even in the busiest environments, in a design that's comfortable to wear throughout the work day.¹²

Product number: W3K09AA

HP 3-year Next Business Day Onsite Optional Customer Self Repair Desktop/Workstation Only Hardware Service



Receive 3 years of next business day onsite repair from an HP-qualified technician for your computing device, if the issue cannot be solved remotely. For more information on Care Pack services, please visit www.hp.com/go/cpc.

Product number: UE379E

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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 HP Sure Start Gen4 is available on HP Elite and HP Pro 600 products equipped with 8th generation Intel® or AMD processors.
- ⁴ 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.
- ⁵ Intel® Optane™ memory system acceleration does not replace or increase the DRAM in your system and requires configuration with an optional Intel® Core™ i(5 or 7)+ processor.
- ⁶ Sold separately or as an optional feature.
- ⁷ HP Sure Click is available on most HP PCs and supports Microsoft® Internet Explorer and Chromium™. Supported attachments include Microsoft Office (Word, Excel, PowerPoint) and PDF files in read only mode, when Microsoft Office or Adobe Acrobat are installed.
- ⁸ HP Sure Run is available on HP Elite products equipped with 8th generation Intel® or AMD processors.
- ⁹ HP Sure Recover is available on HP Elite PCs with 8th generation Intel® or AMD processors and requires an open, wired network connection. Not available on platforms with multiple internal storage drives or Intel® Optane™. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data.
- ¹⁰ HP Multi Factor Authenticate Gen2 requires Windows, 7th or 8th generation Intel® Core™ processor, Intel® integrated graphics, and Intel® WLAN. Microsoft System Center Configuration Manager is required for deployment. Three authentication factors require Intel® vPro™.
- ¹¹ HP Manageability Integration Kit can be downloaded from <http://www8.hp.com/us/en/ads/clientmanagement/overview.html>.

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 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.
- ⁴ 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.
- ⁵ For hard drives and solid state drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 36 GB (for Windows 10) of system disk is reserved for the system recovery software.
- ⁶ (1) Configurable video port: Choice of DisplayPort™ 1.2, HDMI 2.0, or VGA, Type-C™ Card with Display Output, Type-C™ Card with Display Output and Power Delivery.
- ⁷ Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited.
- ⁸ Antimicrobial USB Mouse and HP USB Hardened Mouse, HP PS/2 Mouse, HP USB and PS/2 Washable Mouse: are not available in all regions.
- ⁹ Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.
- ¹⁰ HP Driver Packs: Not preinstalled, however available for download at <http://www.hp.com/go/clientmanagement>
- ¹¹ HP BIOSphere Gen4: Requires Intel® or AMD 8th Gen processors. Features may vary depending on the platform and configurations.
- ¹² Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.
- ¹³ All memory slots are customer accessible / upgradeable.
- ¹⁴ HP USB and PS/2 Washable Keyboard, HP PS/2 Business Slim Keyboard, HP PS/2 Keyboard: PS/2 port not available on EliteOne 800 G4 AIOs.
- ¹⁵ External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
- ¹⁶ Intel® I210-T1 PCIe® GbE: Sold separately or as an optional feature.
- ¹⁷ Absolute Persistence Module: Absolute agent is shipped turned off, and will be activated when customers activate a purchased subscription. Subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. The Absolute Recovery Guarantee is a limited warranty. Certain conditions apply. For full details visit: <http://www.absolute.com/company/legal/agreements/computrace-agreement>. Data Delete is an optional service provided by Absolute Software. If utilized, the Recovery Guarantee is null and void. In order to use the Data Delete service, customers must first sign a Pre-Authorization Agreement and either obtain a PIN or purchase one or more RSA SecurID tokens from Absolute Software.
- ¹⁸ Intel® Optane™ memory is sold separately. Intel® Optane™ memory system acceleration does not replace or increase the DRAM in your system. Available for HP commercial desktops and notebooks and for select HP workstations (HP Z240 Tower/SFF, Z2 Mini, ZBook Studio, 15 and 17 GS) and requires a SATA HDD, 7th Gen or higher Intel® Core™ processor or Intel® Xeon® processor E3-1200 V6 product family or higher, BIOS version with Intel® Optane™ supported, Windows 10 version 1703 or higher, M.2 type 2280-S1-B-M connector on a PCH Remapped PCIe Controller and Lanes in a x2 or x4 configuration with B-M keys that meet NVMe™ Spec 1.1, and an Intel® Rapid Storage Technology (Intel® RST) 15.5 driver.
- ¹⁹ Your product does not support Windows 8 or Windows 7, in accordance with Microsoft's support policy, HP does not support the Windows 8 or Windows 7 operating system on products configured with Intel® 8th generation and forward processors or provide any Windows 8 or Windows 7 drivers on <http://www.support.hp.com>.
- ²⁰ For full Intel® vPro™ functionality, Windows, a vPro supported processor, vPro enabled chipset, vPro enabled wired LAN card and discrete TPM 2.0 are required. See <http://intel.com/vpro>
- ²² HP Support Assistant: Requires Windows and Internet access.
- ²⁴ HP Sure Recover: is available on HP Elite PCs with 8th generation Intel® or AMD processors and requires an open, wired network connection. Not available on platforms with multiple internal storage drives, Intel® Optane™. You must back up important files, data, photos, videos, etc. before use to avoid loss of data.
- ²⁵ HP Manageability Integration Kit: Can be downloaded from <http://www8.hp.com/us/en/ads/clientmanagement/overview.html>
- ²⁶ Ivanti Management Suite: Subscription required.
- ²⁷ HP Client Security Suite Gen 4: Requires Windows and Intel® or AMD 8th generation processors.
- ²⁸ HP Password Manager: Requires Internet Explorer or Chrome or FireFox. Some websites and applications may not be supported. User may need to enable or allow the add-on / extension in the internet browser.
- ³⁰ HP Sure Start Gen4: is available on HP Elite and HP Pro 600 products equipped with 8th generation Intel® or AMD processors.
- ³¹ Firmware TPM: Is version 2.0. Hardware TPM is v1.2, which is a subset of the TPM 2.0 specification version v0.89 as implemented by Intel Platform Trust Technology (PTT).
- ³² RAID configuration: Is optional and does require a second hard drive.
- ³³ HP Sure Run: Is available on HP Elite products equipped with 8th generation Intel® or AMD processors.
- ³⁴ Intel® Identity Protection Technology (Intel® IPT): Models configured with Intel® Core™ processors have the ability to utilize advanced security protection for online transactions. Intel® Identity Protection Technology (Intel® IPT), used in conjunction with participating web sites, provides double identity authentication by adding a hardware component in addition to the usual user name and password. Intel® Identity Protection Technology (Intel® IPT) is initialized through an HP Client Security module.
- ³⁵ 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 www.intel.com/technology/turboboost for more information.
- ³⁶ Intel® Optane™ memory system acceleration does not replace or increase the DRAM in your system and requires configuration with an optional Intel® Core™ i(5 or 7)+ processor.
- ³⁷ HP Drive Lock is not supported on NVMe drives.
- ³⁸ Sold separately or as an optional feature.

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