



HP EliteDesk 800 G8 Tower PC

The PC for power users

Performance, expandability, and reliability are required for the most demanding workloads. The HP EliteDesk 800 Tower handles complex programs, rendering, VR-ready content³, and comes with enterprise-class security and manageability.



HP recommends Windows 10 Pro for business

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

Breakthrough performance

- Blaze through your to-do list with ease using the latest 11th Gen Intel® Core™ processor², fast PCIe Gen 4 storage, and optional high-end NVIDIA® GeForce® RTX 3070 graphics.⁴ Enjoy the ultimate immersive experience on up to seven monitors.⁵

Expansion for the future

- Ensure broad compatibility with evolving technology with five bays, four full length, full-height slots, three standard M.2 slots, serial ports, a configurable rear I/O port⁴, and 11 USB ports, that provide enormous expansion.

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.⁶
- 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
- This PC uses 5 percent ocean-bound plastics in the speaker enclosure and front bezel I/O strip. It comes in 100 percent recyclable molded pulp packaging and is ENERGY STAR® certified and EPEAT® registered 19 countries.^{8,9}
- 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.
- Tested for 1000 cleanings, high-touched exterior surfaces can be cleaned using commonly available household disinfecting and cleaning wipes.¹⁰
- Focus on work while enjoying whisper quiet operation. The HP EliteDesk 800 TWR utilizes HP Run Quiet Design that finely tunes the fans to keep systems running quiet and cool.
- Improve connectivity in crowded wireless environments while on Wi-Fi® with HP Extended Range Wireless LAN that allows greater distance from transmission point and fast data throughput at shorter ranges.¹¹
- Rest easy with a PC that undergoes 120,000 hours of HP's Total Test Process and MIL-STD 810 testing. Help extend protection with an optional removable dust filter.^{4,12,13}
- Firmware attacks can completely devastate your PC. Stay protected with HP Sure Start Gen6, the self-healing BIOS that automatically recovers itself from attacks or corruption.¹⁴

HP EliteDesk 800 G8 Tower PC Specifications Table



Available Operating Systems	Windows 10 Pro 64 – HP recommends Windows 10 Pro for business ^{2,38} Windows 10 Pro 64 (National Academic only) ^{2,3,38} Windows 10 Home 64 ^{2,38} Windows 10 Home Single Language 64 ^{2,38} Windows 10 Pro (Windows 10 Enterprise available with a Volume Licensing Agreement) ^{2,38} FreeDOS
Processor family	11th Generation Intel® Core™ i7 processor; 11th Generation Intel® Core™ i5 processor; 11th Generation Intel® Core™ i9 processor
Available Processors ^{4,5,6}	Intel® Core™ i9-11900 with Intel® UHD Graphics 750 (2.5 GHz base frequency, up to 5.2 GHz with Intel® Turbo Boost Technology, 16 MB L3 cache, 8 cores), supports Intel® vPro® Technology; 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™ i5-11600 with Intel® UHD Graphics 750 (2.8 GHz base frequency, up to 4.8 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 6 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
Chipset ⁴	Intel® Q570 (vPro®)
Form factor	Tower
Maximum memory	128 GB DDR4-3200 SDRAM ^{8,9} Transfer rates up to 3200 MT/s for 64 GB. Transfer rates up to 2933 MT/s for 128GB
Memory slots	4 DIMM
Internal storage	500 GB up to 2 TB SATA HDD ¹⁰ up to 500 GB SATA SED Opal 2 HDD ¹⁰ 256 GB up to 1 TB PCIe® NVMe™ M.2 SSD ¹⁰ 256 GB up to 2 TB PCIe® NVMe™ TLC M.2 SSD ¹⁰ 256 GB up to 512 GB PCIe® NVMe™ SED Opal 2 TLC M.2 SSD ¹⁰ 256 GB up to 512 GB Intel® Optane™ Memory H10 with Solid State Storage ^{4,10}
Optical drive	HP 9.5 mm Slim DVD-Writer; HP 9.5 mm Slim DVD-ROM ¹
Available Graphics	Integrated: Intel® UHD Graphics 730; Intel® UHD Graphics 750 Discrete: AMD Radeon™ R7 430 Graphics (2 GB GDDR5 dedicated); AMD Radeon™ RX 550X Graphics (4 GB GDDR5 dedicated); NVIDIA® GeForce RTX™ 3070 (8 GB GDDR6 dedicated) ^{13,17,18,19}
Audio	Realtek ALC3205 codec, universal audio jack with CTIA and OMTP headset support
Expansion slots	1 M.2 2230; 2 PCIe 3 x1; 1 PCIe 3 x16 (wired as x4); 2 M.2 2280; 1 PCIe 4 x16 (1 M.2 2230 slot for WLAN and 1 M.2 2280 slot for storage.)
Memory card device	1.5-in-1 SD media card reader
Ports and Connectors	Front: 2 SuperSpeed USB Type-A 10Gbps signaling rate; 2 SuperSpeed USB Type-A 5Gbps signaling rate; 1 SuperSpeed USB Type-C® 20Gbps signaling rate Rear: 1 audio-out; 1 RJ-45; 2 SuperSpeed USB Type-A 10Gbps signaling rate; 1 SuperSpeed USB Type-A 5Gbps signaling rate; 2 DisplayPort™ 1.4; 3 USB Type-A 480 Mbps signaling rate Optional Ports: Add-on card: 1 serial and PS/2 ports combination; Add-on port: 1 serial; Flex IO port – choose one of the following options: DisplayPort™ 1.4, HDMI 2.0b, VGA, 1 serial, 2 SuperSpeed USB Type-A 5Gbps signaling rate, 1 SuperSpeed USB Type-C® 10Gbps signaling rate (15W output, DisplayPort™ 1.4), 1 Thunderbolt™ 3 (40Gbps signaling rate) with SuperSpeed USB Type-C® 10Gbps signaling rate PCIe® card ^{13,14}
Input devices	HP Wired Desktop 320K Keyboard; HP PS/2 Business Slim Keyboard; HP Wireless Business Slim Keyboard and mouse combo; HP USB Business Slim SmartCard CCID Keyboard ¹¹ ; HP USB Fingerprint Mouse; HP PS/2 mouse; HP Wired Desktop 320M mouse; HP 125 Wired Mouse; HP 128 Laser Wired Mouse ²⁰ ;
Communications	LAN: Integrated Intel® I219LM GbE LOM; Intel® I225-T1 PCIe® 2.5 GbE LOM ¹⁵ ; 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® ¹⁵ ;
Drive Bays	1 slim ODD; One 5.25" ODD; One 2.5" HDD; Two 3.5" HDD convertible to 2.5" HDD ¹²
Environmental	Operating temperature: 10 to 35°C; Operating humidity: 10 to 90% RH;
Software	HP Noise Cancellation Software; HP Notifications; HP Support Assistant; HP Connection Optimizer; HP Privacy Settings; HP Desktop Support Utilities; MyHP; HP QuickDrop; HP Easy Clean; Touchpoint Customizer for Commercial; HP Setup Integrated OOB; HP Presence Aware; HP WorkWell; HP PC Hardware Diagnostics; Buy Microsoft Office (sold separately); Microsoft Defender ^{21,37,40,41}
Security management	Power-on password (via BIOS); SATA port disablement (via BIOS); Setup password (via BIOS); Support for chassis padlocks and cable lock devices; USB 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); HP Secure Erase; HP Sure Click; HP Sure Sense; Absolute Persistence module; HP DriveLock and Automatic DriveLock; 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; BIOS Update via Network; HP Wake on WLAN; Solenoid lock and Intrusion Sensor (Optional) ^{25,26,27,28,29,30,31,32,33,42,43,44,46}
Security Software Licenses	HP Pro Security Edition (select models) ⁵⁶
Management features	HP Client Catalog (download); HP Driver Packs (download); HP Cloud Recovery; HP Image Assistant (download); HP Manageability Integration Kit for Microsoft System Center Configuration Management Gen4 (download); HP Client Management Script Library (download); Ivanti Management Suite (download) ^{22,23,24,34}
Power	260 W internal power adapter, up to 92% efficiency, active PFC; 550 W internal power adapter, up to 92% efficiency, active PFC ³⁴
Dimensions	37 x 30.8 x 16.8 cm
Weight	9.86 kg (Exact weight depends on configuration.)
Energy efficiency compliance	ENERGY STAR® certified; EPEAT® registered ³⁵
Sustainable impact specifications	40% post-consumer recycled plastic; 10% ITE-derived closed loop plastic; Low Halogen; Bulk packaging available; 80 Plus® Platinum power supplies available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; Ocean-bound plastic in speaker enclosure and I/O strip ^{36,46,47,48,49,50}
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 VR content requires optional NVIDIA® GeForce® RTX 3070 graphics card.
- ⁴ Optional feature that must be configured at the time of purchase.
- ⁵ Seven monitors sold separately and connection to seven monitors only supported on PCs equipped with discrete graphics card and compatible flex I/O ports that must be configured at the time of purchase.
- ⁶ HP Wolf Security includes HP Sure Start, HP Sure Click, HP Sure Sense, HP Sure Admin, HP Sure Run, HP Sure Recover. See product data sheet for details.
- ⁸ PC speaker enclosure and front bezel I/O strip components each made with 5% ocean-bound plastic.
- ⁹ Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for more information.
- ¹⁰ 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.
- ¹¹ Based on internal testing of products with and without HP Extended Range Wireless LAN.
- ¹² HP Total Test Process testing is not a guarantee of future performance under these test conditions. Any accidental damage requires an optional HP Accidental Damage Protection Care Pack.
- ¹³ MIL STD 810 testing is pending and is not intended to demonstrate fitness for U.S. Department of Defense contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Any accidental damage requires an optional HP Accidental Damage Protection Care Pack.
- ¹⁴ HP Sure Start Gen6 is available on select HP PCs and requires Windows 10.

Technical Specifications Footnotes

- ¹ HD-DVD disks cannot be played on the DVD-ROM drive. No support for DVD-RAM. Actual speeds may vary. Don't copy copyright-protected materials. Double Layer discs can store more data than single layer discs. Discs burned with this drive may not be compatible with many existing single-layer DVD drives and players. Flawless playback on all systems is not guaranteed.
- ² 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>.
- ³ 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.
- ⁴ For full Intel® vPro® functionality, Windows 10 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>
- 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 www.intel.com/technology/turboboost for more information.
- ⁷ Actual data rate is determined by both the system's configured processor and memory module installed.
- ⁸ 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.
- ⁹ Memory modules support data transfer rates up to 3200 MT/s; actual data rate is determined by the system configured. When more than one memory slot is populated, symmetric configurations are required for 2 DIMMs per channel. Mix of different data transfer rates memory rank mix within the same channel is not allowed. All memory slots are customer accessible / upgradeable.
- ¹⁰ 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.
- ¹¹ Availability varies by countries.
- ¹² 4 SATA.
- ¹³ Sold separately or as an optional feature.
- ¹⁴ Thunderbolt™ 3.0 and Serial/PS/2 combo occupies a PCIe slot.
- ¹⁵ Intel® I225-T1 PCIe® 2.5 GbE: sold separately or as an optional feature.
- ¹⁶ 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 802.11ax specs. The specifications for the 802.11ax WLAN are draft specifications and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the PC to communicate with 802.11ax WLAN devices. Wi-Fi 6 requires a wireless router, sold separately, that supports 802.11ax (Wi-Fi 6). Only available in countries where 802.11ax is supported.
- ¹⁷ Support up to 300W single graphic card.
- ¹⁸ NVIDIA® GeForce® GTX 3070 graphic card requires the 550W chassis.
- ¹⁹ AMD Radeon™ R7 430 Graphics (2 GB GDDR5 dedicated, 64bit DP+VGA) is available in selected regions only.
- ²⁰ Antimicrobial USB Mouse and HP USB Hardened Mouse, HP PS/2 Mouse, HP USB and PS/2 Washable Mouse: available in selected regions only.
- ²¹ HP Support Assistant requires Windows and Internet access.
- ²² HP Driver Packs: Not preinstalled, however available for download at <http://www.hp.com/go/clientmanagement>.
- ²³ 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>.
- ²⁴ HP Manageability Integration Kit can be downloaded from <http://www.hp.com/go/clientmanagement>.
- ²⁵ HP Sure Sense requires Windows 10 Pro or Enterprise.
- ²⁶ 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.
- ²⁷ 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™.
- ²⁸ HP Sure Run Gen4 is available on select Windows 10 based HP Pro, Elite and Workstation 26PCs with select Intel® or AMD processors.
- ²⁹ HP Sure Click requires Windows 10 Pro or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.
- ³⁰ HP Client Security Manager Gen7 requires Windows and is available on select HP Elite and Pro PCs.
- ³¹ HP Sure Start Gen6 is available on select HP PCs with Intel processors.
- ³² HP Sure Admin requires Windows 10, HP BIOS, HP Manageability Integration Kit from <http://www.hp.com/go/clientmanagement> and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store.
- ³³ HP Sure Recover Gen4 is available on select HP PCs and requires Windows 10 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. Network based recovery using Wi-Fi is only available on PCs with Intel Wi-Fi Module.
- ³⁴ Ivanti Management Suite subscription required.
- ³⁵ Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for more information.
- ³⁶ External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
- ³⁷ HP Connection Optimizer requires Windows 10.
- ³⁸ HP tested Windows 10, version 1909 on this platform. For testing information on newer versions of Windows 10, please see <https://support.hp.com/document/c05195282>.
- ³⁹ 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.
- ⁴⁰ HP Quick Drop requires Internet access and Windows 10 PC preinstalled with HP QuickDrop app and either an Android device (phone or tablet) running Android 7 or higher with the Android HP QuickDrop app, and/or an iOS device (phone or tablet) running iOS 12 or higher with the iOS HP QuickDrop app.
- ⁴¹ HP Presence Aware requires a proximity sensor that is available on select EliteBooks and requires Windows Hello for authentication.
- ⁴² Drive Lock is not supported on NVMe drives.
- ⁴³ 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.
- ⁴⁴ Storage Drivelock does not work with Self Encrypting or Optane based storage.
- ⁴⁶ Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.
- ⁴⁷ ITE Derived Closed Loop Plastic percentage is based on the definition set in the IEEE 1680.1-2018 standard.
- ⁴⁸ Molded pulp cushions are made from 100% recycled wood fiber and organic materials.
- ⁴⁹ 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.
- ⁵⁰ Percentage of ocean-bound plastic contained in each component varies by product.
- ⁵⁶ HP Pro Security Edition is available preloaded on select HP PCs and includes HP Sure Click Pro and HP Sure Sense Pro. 3-year license required. The HP Pro Security Edition software is licensed under the license terms of the HP End User License Agreement (EULA) that can be found at: https://h30670.www3.hp.com/e-commerce/common/disclaimer.doen_US as modified by the following: "7. Term, unless otherwise terminated earlier pursuant to the terms contained in this EULA, the license for the HP Pro Security Edition (HP Sure Sense Pro and HP Sure Click Pro) is effective upon activation and will continue for thirty-six (36) months thereafter ("Initial Term"). At the end of the Initial Term you may either (a) purchase a renewal license for the HP Pro Security Edition from HP.com, HP Sales or an HP Channel Partner, or (b) continue using the standard versions of HP Sure Click and HP Sure Sense at no additional cost with no future software updates or HP Support." HP Pro Security Edition is optimized for the SMB environment and ships pre-configured - manageability is optional. The HP Pro Security Edition supports a limited tool set that can be used by the HP Manageability Integration Kit which can be downloaded from <http://www.hp.com/go/clientmanagement>.

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