

HP EliteDesk 800 G4 Tower PC Specifications Table



Form Factor	Tower
Available Operating System	Windows 10 Pro 64 – HP recommends Windows 10 Pro. ¹ Windows 10 Pro 64 (National Academic only) ² Windows 10 Home 64 ¹ FreeDOS 2.0
Processor Family ^{17,21}	Intel® Pentium® processor (G5400, G5500 are Windows 10 only) 8th Generation Intel® Core™ i3 processor (i3-8100, i3-8300) 8th Generation Intel® Core™ i7 processor (i7-8700, i7-8700K) 8th Generation Intel® Core™ i5+ processor (i5-8500, i5-8600, i5-8600K) 8th Generation Intel® Core™ i7+ processor (i7-8700, i7-8700K)
Available Processors ^{3,37,38}	Intel® Pentium® Gold G5400 with Intel® UHD Graphics 610 (3.7 GHz, 4 MB cache, 2 cores) Intel® Pentium® Gold G5500 with Intel® UHD Graphics 630 (3.8 GHz, 4 MB cache, 2 cores) Intel® Core™ i3-8100 with Intel® UHD Graphics 630 (3.6 GHz, 6 MB cache, 4 cores) Intel® Core™ i3-8300 with Intel® UHD Graphics 630 (3.7 GHz, 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) 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) 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) 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) 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)
Chipset	Intel® Q370
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 2 TB 7200 rpm SATA ⁵ 2 TB 5400 rpm SATA ⁵ 500 GB SATA SED Opal 2 HDD ⁵ 500 GB 7200 rpm SATA FIPS SED 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
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: NVIDIA® GeForce® GTX 1060 (3 GB GDDR5 dedicated); AMD Radeon™ R7 430 Graphics (2 GB GDDR5 dedicated); AMD Radeon™ RX 580 Graphics (4 GB GDDR5 dedicated)
Audio	Conexant CX20632 codec, universal audio jack, headset and headphone front ports (3.5 mm), multi-streaming capable
Communications	LAN: Integrated Intel® I219LM GbE LOM; Intel® I210-T1 PCIe® GbE ¹⁶ WLAN: 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™ ⁷

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 M.2 slot for WLAN and 2 M.2 2230/2280 slot for storage.)
Ports and Connectors	Rear: 1 audio-in; 1 audio-out; 1 power connector; 1 RJ-45; 2 DisplayPort™ 1.2; 2 USB 2.0; 2 USB 3.1 Gen 1; 2 USB 3.1 Gen 2 ¹⁹ Front: 1 headphone; 1 headset connector; 1 USB 2.0; 1 USB 2.0 (fast charging); 1 USB 3.1 Type-C™ (charging); 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
Internal Drive Bays	One 2.5" HDD; Two 3.5" HDD ²⁰
External Drive Bays	1 slim ODD; One 5.25" ODD ²⁰
Available Software	Absolute Persistence module; HP ePrint Driver + JetAdvantage; HP Hotkey Support; HP Jumpstart; HP Noise Cancellation Software; HP PhoneWise; HP Support Assistant; HP Velocity; Native Miracast Support; HP Wireless Wakeup; Buy Office (sold separately); HP Sure Recover ^{9,22,23,24,26}
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 Start 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) ^{11,29,30,31,32,33,34,35,36}
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 ^{10,27,28}
Power	250 W internal power supply, up to 92% efficiency, active PFC; 500 W internal power supply, up to 90% efficiency, active PFC
Dimensions	3.94 x 13.3 x 12.13 in 10 x 33.8 x 30.8 cm
Weight	21.73 lb 9.86 kg (Exact weight depends on configuration.)
Environmental	Low halogen ¹⁵
Energy Efficiency Compliance	ENERGY STAR® certified; EPEAT® Gold ¹²
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 EliteDisplay E243
23.8-inch Monitor**



Style meets substance in a strikingly modern business display crafted for optimal viewing, productivity, and ergonomics. The HP EliteDisplay E243 23.8-inch Monitor has a 3-sided micro-edge bezel for seamless multi-display tiling and 4-way adjustability so you can comfortably power through your day.

Product number: 1FH47A8

HP EliteDisplay E273 27-inch Monitor



Style meets substance in a strikingly modern business display crafted for optimal viewing, productivity, and ergonomics. The HP EliteDisplay E273 27-inch Monitor has a 3-sided micro-edge bezel for seamless multi-display tiling and 4-way adjustability so you can comfortably power through your day.

Product number: 1FH50A8

HP 8GB DDR4-2666 DIMM



Boost the capabilities of your HP Business Desktop PC and improve system performance and application responsiveness with low-power, high-speed DDR4 memory from HP.

Product number: 3TK87AT

HP 16GB DDR4-2666 DIMM



Boost the capabilities of your HP Business Desktop PC and improve system performance and application responsiveness with low-power, high-speed DDR4 memory from HP.

Product number: 3TK83AT

HP TLC 256 GB SATA SSD



Expand the storage capabilities of your desktop with the HP TLC 256 GB SATA SSD¹, which includes TLC flash and the same reliability you already get from current SATA SSD drives.

Product number: P1N68AT

**HP Business PC Security Lock
v3 Kit**



Help prevent chassis tampering and secure your PC and display in workspaces and public areas with the affordable HP Business PC Security Lock v3 Kit.

Product number: 3XJ17AT

**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: N3R88AT

**HP 4 year Next Business Day
Onsite Hardware Support for
Desktops**



When hardware issues come up, the sooner you can get running again, the better. Have expertise at the ready with HP Hardware Next Business Day¹ Onsite Service, and vastly improve your product uptime. With high-quality remote assistance or convenient onsite support available the next business day, help is there when you need it—so you can get back to work.

Product number: U7897E (for 4 year platforms), U7899E (for 5 year platforms)

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 Manageability Integration Kit can be downloaded from <http://www8.hp.com/us/en/ads/clientmanagement/overview.html>.
- ⁸ HP Sure Run is available on HP Elite products equipped with 8th generation Intel® or AMD processors.
- ⁹ HP Sure Click is available on select HP platforms and supports Microsoft® Internet Explorer, Google Chrome, and Chromium™. Supported attachments include Microsoft Office (Word, Excel, PowerPoint) and PDF files in read only mode. Check <http://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA7-0922ENW> for all compatible platforms as they become available.
- ¹⁰ 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.
- ¹¹ 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™.

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 2133 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 16 GB (for Windows 7) and 36 GB (for Windows 8.1/10) 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. The specifications for the 802.11 ac WLAN are draft specifications 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 802.11 ac WLAN devices.
- 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 EPEAT® registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country. See HP's 3rd party option store for solar energy accessory www.hp.com/go/options.
- 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 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® and AMD 7th generation and forward processors or provide any Windows 8 or Windows 7 drivers on <http://www.support.hp.com>
- ¹⁹ The TWR can support a single graphics card up to 75W. When configured with dual graphics cards support is limited to 35W for each.
- ²⁰ 4 SATA.
- ²¹ Intel® Optane™ memory (cache) 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 G5) 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.
- ²² 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.
- ²³ HP ePrint Driver: Requires an Internet connection to HP web-enabled printer and HP ePrint account registration (for a list of eligible printers, supported documents and image types and other HP ePrint details, see www.hp.com/go/eprintcenter). Print times and connection speeds may vary.
- ²⁴ HP Support Assistant: Requires Windows and Internet access.
- ²⁶ HP Sure Recover: Is available on HP Elite PCs with 8th generation Intel® or AMD processors and requires an open, wired network connection. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data.
- ²⁷ HP Manageability Integration Kit: Can be downloaded from <http://www8.hp.com/us/en/ads/clientmanagement/overview.html>
- ²⁸ Istant Management Suite: Subscription required.
- ²⁹ HP Client Security Suite Gen 4: Requires Windows and Intel® or AMD 8th generation processors.
- ³⁰ 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.
- ³¹ Microsoft Defender: Opt in and internet connection required for updates.
- ³² HP Sure Start Gen4: Is available on HP EliteBook products equipped with Intel® 8th generation processors.
- ³³ 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).
- ³⁴ RAID configuration: Is optional and does require a second hard drive.
- ³⁵ HP Sure Run: Is available on HP Elite products equipped with 8th generation Intel® or AMD processors.
- ³⁶ 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.
- ³⁷ 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.
- ³⁸ 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.

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