Datasheet

HP EliteDesk 800 G4 Tower PC

Powered for the enterprise, the high-performance HP EliteDesk 800 TWR is one of our most secure and manageable PCs featuring superb expandability required by today’s high-productivity workforce in a stylish chassis designed for the modern workplace.

Ready for virtual reality
- High-performance users will enjoy massive expansion, 8th Gen Intel® Core™ processors¹, and Intel® Optane™ memory. Amplify performance with optional 95W processors, Thunderbolt™⁶, and high-end discrete graphics for viewing VR content.

Expansion that extends your investment
- The HP EliteDesk 800 TWR has enormous expandability with five bays and four full-height slots including one slot for full-length double-wide graphics. Plus, three additional M.2 slots, and plenty of configurable ports.

Strong security, powerful manageability
- Get powerful protection and simplified management from secure and manageable PCs. HP Sure Start Gen4 protects against BIOS attacks while the HP Manageability Integration Kit Gen2⁷ allows you to easily manage devices.

Configurable ports for displays or Thunderbolt™⁶
- Configure a third configurable 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 and in-browser .pdf files infected with malware, ransomware, or viruses with HP Sure Click.
- Quickly and securely restore PCs to the latest image using a network connection with HP Sure Recover.
- ITDMs can quickly help create, improve, and secure custom Windows images with HP Image Assistant Gen3.
- 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 Tower PC Specifications Table

### Form Factor
- Tower

### Available Operating System
- Windows 10 Pro 64 – HP recommends Windows 10 Pro.
- Windows 10 Pro 64 (National Academic only)
- Windows 10 Home 64
- Windows 10 Home Single Language 64

### Processor Family
- 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)
- 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 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)

### Available Processors

<table>
<thead>
<tr>
<th>Processor Family</th>
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<tr>
<td>Intel® Core™ i7-8700 with Intel® UHD Graphics 630</td>
<td>128 GB up to 1 TB 2.5&quot; SATA SSD</td>
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<td>128 GB up to 1 TB 2.5&quot; SATA SSD</td>
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<td>Intel® Core™ i5-8600K with Intel® UHD Graphics 630</td>
<td>128 GB up to 512 GB PCIe® NVMe™ SSD</td>
</tr>
<tr>
<td>Intel® Core™ i7-8700 with Intel® UHD Graphics 630</td>
<td>128 GB up to 512 GB PCIe® NVMe™ SSD</td>
</tr>
</tbody>
</table>

### Memory Slots
- 4 DDR4

### Internal Storage
- 500 GB up to 2 TB 2.5" SATA 7200 rpm (SA7)
- up to 2 TB 3.5" SATA (SA5)
- up to 500 GB SATA 6Gbps 2.5" SSD (SA5) (sold separately)
- 500 GB up to 1 TB 2.5" SATA 7200 rpm (SA7)
- 256 GB up to 1 TB SATA 6Gbps 2.5" SSD (SA5) (sold separately)
- 128 GB up to 512 GB PCIe® NVMe™ M.2 2280 SSD
- 128 GB up to 1 TB PCIe® NVMe™ M.2 2280 SSD
- 256 GB up to 1 TB PCIe® NVMe™ M.2 2280 SSD

### Additional storage
- 5-in-1 SD card reader

### Optical Drive
- HP 9.5 mm Slim DVD/Writer

### Available Graphics

<table>
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<tr>
<td>Intel® UHD Graphics 630</td>
<td>Discrete AMD Radeon™ RX 570 4 GB GDDR5 (dedicated)</td>
</tr>
</tbody>
</table>

### Audio
- Conformant HD652 codec, universal audio jack, head and headphone front ports (3.5 mm), multi-streaming capable
- 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 USB 2.0, 2 USB 3.1 Gen 1, 2 USB 3.1 Gen 2
- Front: 1 headphone, 1 microphone, 1 USB 2.0, 1 USB 3.1 Gen 1 (Type-C™), 2 USB 3.1 Gen 2
- Integrated Intel® UHD Graphics 620; Intel® UHD Graphics 630 (8 MB cache, 2 cores)

### Input Devices
- HP Conferenceing Keyboard
- HP PS/2 Business Slim Keyboard
- HP USB Business Slim Keyboard
- HP Wireless Business Slim Keyboard and Mouse Combo
- HP Wireless Collaboration Keyboard

### Communications
- LAN: Integrated Intel® i219LM GbE LOM, Intel® i210-T1 PCI Express GbE
- WLAN: Realtek RTL8822BE-GL 802.11a/b/g/n/ac with Bluetooth® 4.1, 2x2 MIMO, Intel® Dual Band Wireless-AC 9560 2.4 GHz and 5 GHz, Intel® wireless-AC 9560 3x3:2x2 and 802.11ax (Wi-Fi 6), Intel® Dual Band Wireless-AC 9560 2.4 GHz and 5 GHz, Intel® wireless-AC 9560 3x3:2x2 and 802.11ax (Wi-Fi 6) with Bluetooth® 5.1

### Drive Bays
- 1 x 3.5" HDD (sold separately)
- 1 x 2.5" SSD (sold separately)
- 2 x 3.5" HDD (sold separately)

### Security Management
- DriveLock: HP BIOS/BIOS HP Password Manager/HP Power-On Authentication/Intel® Identity Protection Technology (Intel® PTI), Power-on password (via BIOS), R4D configurations, Removable media write/Read control, SATA port disablement (via BIOS), Setup password (via BIOS), Support for chassis and back door devices, USB enable/disable (via BIOS), Sudden-scan and boot monitoring/HP Client Security Suite Gen 4, HP Setup Start (Gen 4), HP Setup Run, Parallel enable/disable (via BIOS), Serial enable/disable (via BIOS), Trusted Platform Module (TPM 2.0), Embedded Security Chip shipped with Windows 10, Encryption (Intel® AES) and Enterprise (HP-2 Level 2 Certified) 11/26/2015 12:33 AM

### Management Features
- HP BIOS Configuration Utility: HP Client Catalog (downloadable) / HP Driver Packs (downloadable) / HP System Software Manager (downloadable)
- HP System Management Suite: HP Management Integration Kit for Microsoft System Center Configuration Manager (Gen 2)

### Power
- 210 W internal power supply, up to 92% efficiency active PFC, 500 W internal power supply, up to 90% efficiency active PFC

### Dimensions
- 10.3 x 33.8 x 33.8 cm

### Weight
- 9.86 kg
- (Net weight depends on configuration)

### Environmental
- Low Halogen (LE)

### Energy Efficiency Compliance
- ENERGY STAR® certified, EPEAT® Gold (LE)
### HP EliteDesk 800 G4 Tower PC

#### Recommended Accessories and Services

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<thead>
<tr>
<th><strong>Product</strong></th>
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<tbody>
<tr>
<td><strong>HP Wireless Slim Business Keyboard</strong></td>
<td>Enjoy easy data entry and wireless connectivity with the HP Wireless Business Slim Keyboard, designed to complement the 2015 class of HP Business PCs.</td>
<td>N3R88AA</td>
</tr>
<tr>
<td><strong>HP UC Wireless Duo Headset</strong></td>
<td>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.</td>
<td>W3K09AA</td>
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<tr>
<td><strong>HP 3-year Next Business Day Onsite Optional Customer Self Repair Desktop/Workstation Only Hardware Service</strong></td>
<td>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 <a href="http://www.hp.com/go/cpc">www.hp.com/go/cpc</a>.</td>
<td>UE379E</td>
</tr>
</tbody>
</table>
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. EIP fees may apply and additional requirements may apply over time for updates. See http://windows.com.

2 HP Sure Start Gen4 is available on HP Elite and HP Pro PCs 600 products equipped with 8th generation Intel® or AMD processors.

3 Multi-Core is defined 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 Intel® Optane™ memory system acceleration does not replace or increase the DRAM in your system and requires configuration with an optional Intel® Core™ i5 or i7 processor.

5 Solid separately or as an optional feature.


7 HP Sure Run is available on HP Elite products equipped with 8th generation Intel® or AMD processors.

8 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.

9 HP Sure Secure relies on HP Elite PCs with 8th generation Intel® or AMD processors and requires your 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.

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. EIP fees may apply and additional requirements may apply over time for updates. See http://windows.com.

2 Some devices for academic use will be automatically updated to Windows 10 Pro Education with the Windows 10 Anniversary Update. Features vary. See https://aka.ms/ProPiblication for Windows 10 Pro Education feature information.

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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 requirement requirements. Addressing memory above 4 GB requires a 64-bit operating system.

5 Memory modules support data transfer rates up to 2133 MHz; 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.

6 For hard drives and solid state drives, GB = 1 trillion 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.

7 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 G3) and requires a SATA HDD, 7th Gen or higher Intel® Core™ processor or Intel® Xeon® processor E3-1200 v6 product family or higher BOS version with Intel® Optane™ supported, Windows 10 version 1703 or higher M.2 type 2280-S1-B-M connector on a PCI Express Remapped PCIe Controller and Lanes in a x4 or x4 configuration with B-M keys that meet NVMe™ Spec 1.1, and an Intel® Rapid Storage Technology (Intel® RST) 11.5 driver.

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15 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/computers-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 PMR or purchase one or more ISA Secure/Isolation from Absolute Software.

16 HD-Print 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.

17 HP Support Assistant: Requires Windows and Internet access.

18 HP WorldLink: Smartphone app is available as a free download on Google Play.

19 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.


21 HP Client Security Suite Gen 4: Requires Windows and Intel® or AMD 8th generation processors.

22 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.

23 Microsoft Defender: Opt-in and Internet connection is required for updates.

24 Firmware TPM 2.0: Hardware TPM is v1.2, which is a subset of the TPM 2.0 specification v1.89 as implemented by Intel Platform Trust Technology (PTT). TPM configuration: Is optional and does require a second hard drive.

25 HP Sure Run: Is available on HP Elite PCs equipped with 8th generation Intel® or AMD processors.

26 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.

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