HP Elite SFF 800 G9 Desktop PC



Optimized for expandability

Designed for speed and efficiency and equipped with enterprise-class security and manageability, the compact HP Elite 800 SFF Desktop PC helps future proof your fleet with ultimate flexibility and upgradeability.



* Product image may differ from actual product

HP recommends Windows 11 Pro for business

Expansion for the future

 Future proof your fleet with up to two PCIe Gen4 SSDs, two HDDs, and four native PCIe Slots that provide enormous expansion. Help ensure broad compatibility with evolving technology with serial ports, a configurable rear I/O port³, and 11 USB ports.

Breakthrough performance

 Power users with heavy workloads will enjoy the latest Intel® processor², fast dual PCIe Gen 4 storage³, and optional Nvidia® T400 graphics.³ Get ready for an immersive experience with the ability to connect up to seven monitors.⁴

Protected by HP Wolf Security

- HP Wolf Security for Business creates a hardware-enforced, always-on, resilient defense. From the BIOS to the browser, above, in, and below the OS, these constantly evolving solutions help protect your PC from modern threats.⁵
- Focus on work while enjoying whisper quiet operation. The HP Elite 800 SFF utilizes HP Run Quiet Design that finely tunes the fans to keep systems running quiet and cool.
- Get the exceptional combination of responsive performance, connectivity, and speed with the latest Intel® processor that lets you launch, create, and connect fast and reliably.²
- Quickly access and transfer data to keep up with today's changing business requirements with advanced PCIe Gen 4 SSDs, USB Type-C[®], and DDR5 memory.
- Tested for 1000 cleanings, high-touched exterior surfaces can be cleaned using commonly available household disinfecting and cleaning wipes.⁹
- 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.^{3,10,11}
- Firmware attacks can completely devastate your PC. Stay protected with HP Sure Start Gen7, the self-healing BIOS that automatically recovers itself from attacks or corruption.¹²
- At least 35 percent of all plastic used in this PC is post-consumer recycled plastic and the outer box packaging is 100 percent sustainably sourced. This PC is ENERGY STAR® certified and EPEAT® registered 23 countries.^{13,14,15}

HP Elite SFF 800 G9 Desktop PC Specifications Table







*Product image may differ from actual product	t
Available Operating Systems	Windows 11 Pro ¹ Windows 11 Pro Education ¹ Windows 11 Home—HP recommends Windows 11 Pro for business 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 11 Pro (preinstalled with Windows 10 Pro Downgrade) ^{1,2} FreeDOS
Processorfamily	12th Generation Intel®Core™i7 processor; 12th Generation Intel®Core™i9 processor; 12th Generation Intel®Core™i9 processor; 12th Generation Intel®Core™i9 processor; 12th Generation Intel®Core™i5 processor
Available Processors ^{4,5,6}	Intel®Core™ 19-12900 with Intel®UHD Graphics (2.4 GHz base frequency, up to 5.1 GHz with Intel®Turbo Boost Technology, 30 MBL3 cache, 16 cores, 24 threads), supports Intel®VPro® Technology, Intel®Core™ 17-12700 with Intel®UHD Graphics (2.1 GHz base frequency, up to 4.9 GHz with Intel®Turbo Boost Technology, 25 MBL3 cache, 12 cores, 20 threads), supports Intel®VPro® Technology, 18 MBC core™ 15-12600 with Intel®UHD Graphics (3.3 GHz base frequency, up to 4.8 GHz with Intel®Turbo Boost Technology, 18 MBL3 cache, 6 cores, 12 threads), supports Intel®VPro® Technology, Intel®Core™ 15-12500 with Intel®UHD Graphics (3.0 GHz base frequency, up to 4.6 GHz with Intel®Turbo Boost Technology, 18 MBL3 cache, 6 cores, 12 threads), supports Intel®VPro® Technology, Intel®Core™ 15-12400 with Intel®UHD Graphics (3.5 GHz base frequency, up to 4.4 GHz with Intel®UHD Graphics (3.5 GHz base frequency), 12 MBL3 cache, 4 cores, 8 threads); Intel®Core™ 15-12400 with Intel®UHD Graphics (3.5 GHz base frequency).
Chipset	Intel®Q670 (vPro®)
Form factor	Small form factor
Maximum memory	128 GB DDRS-4800 SDRAM ^{7,8,9,39,40} Transfer rates up to 4400 MT/s.
Memoryslots	4 DIMM
Internal storage	500 GB up to 2 TB SATA HDD ¹⁰ 256 GB up to 1 TB PCIe®NVMe™ N.2 SSD ¹⁰ 256 GB up to 2 TB PCIe®NVMe™ TLC M.2 SSD ¹⁰
Optical drive	HP 9.5 mm Slim DVD-Writer; HP 9.5 mm Slim DVD-R0M ³
Available Graphics	Integrated: htel®UHD Graphics 730; htel®UHD Graphics 770 Discrete: NVIDIA®T400 (2 GB GDDR6 dedicated); NVIDIA®T400 (4 GB GDDR6 dedicated) ¹⁸
Audio	Realtek ALC3252 codec, universal audio jack with CTIA and OMTP headset support
Expansion slots	1 M.2 2230; 2 PCle3 x1; 1 PCle3 x16 (wired as x4); 2 M.2 2280; 1 PCle4 x16 (1 M.2 2230 slot for WLAN and 2 M.2 2280 slots for storage)
Ports and Connectors	Front: 1 headphone/microphonecombo; 4 SuperSpeed USB Type-A 10Gbps signaling rate; 1 SuperSpeed USB Type-C®20Gbps signaling rate; Rear: 1 audio-in,but; 1 RJ-45; 1 HDM11-4; 3 SuperSpeed USB Type-A 5Gbps signaling rate; Optional Ports: Add-on card: 1 serial and PS/2 ports combination; Add-on port: 1 serial; FlexID port – choose one of the following options: 1 DisplayPort™ 1.4, 1 HDM12.0b, 1 VGA, 1 serial, 1 Dual SuperSpeed USB Type-A 5Gbps signaling rate, 1 SuperSpeed USB Type-C®10Gbps signaling rate(1 SW output, DisplayPort™ 1.4), 1 Thunderbolt™ 3 (40Gbps signaling rate) with SuperSpeed USB Type-C®10Gbps signaling rate PCle®card³0
Input devices	HP PS/2 Business Slim Keyboard; HP USB Business Slim SmartCard CCD Keyboard; HP 655 Wireless Keyboard and mouse combo; HP USB 320K Keyboard ¹⁹ ; HP PS/2 mouse; HP 125 Wired Mouse; HP 128 Laser Wired Mouse ¹⁹ ;
Communications	LAN: Intel®Ethernet Network Adapter I225-T1; Intel®I219-LM GbE LOM, vPro® 15; Intel®Wi-Fi6E AX211 (2x2) and Bluetooth®5.3 wireless card, vPro®; Intel®Wi-Fi6E AX211 (2x2) and Bluetooth®5.3 wireless card, non-vPro®; Realtek Wi-Fi6E RTL8852BE 802.11a/b/g/n/ax (2x2) and Bluetooth®5.3 wireless card 38.41;
Drive Bays	Two 3.5"; 1 slim ODD or 1 removable SATA HDD or 1 M.2 SSD bay ¹⁴
Environmental	Operating temperature: 10 to 35°C; Operating humidity: 10 to 90% RH;
Software	HP Notifications; HP PC Hardware Diagnostics UEFt; HP Support Assistant; HP Connection Optimizer; HP Privacy Settings; HP PC Hardware Diagnostics Windows; HP Desktop Support Utilities; MyHP; HP QuickDrop; HP Easy Clean; Touchpoint Customizer for Commercial; HP Easy Clean Keyboard Driver; HSA Fusion for Commercial; HSA Telemetry for Commercial; 12.13.37
Availablesoftware	HP Smart Support ¹⁷
Security management	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; Absolute Persistence module; HP Sure Admin; HP Client Security Manager Gen 7; HP Tamper Lock; HP Sure Start Gen 7; HP Sure Sense2; HP Sure Run Gen 5; HP Sure Recover Gen 5; 2021 22232425627 (82.89)
Security Software Licenses	HP Wolf Pro Security Edition ⁵⁶
Management features	HP Client Catalog (download); HP Driver Packs (download); HP Image Assistant; HP Client Management Script Library (download); HP Connect for Microsoft Endpoint Manager; HP Manageability Integration Kit (download); HP Patch Assistant (download) ^{11,16,18}
Power	400 W internal power supply, up to 92% efficiency, active PFC; 260 W internal power adaptes, up to 92% efficiency, active PFC
Dimensions	33.8x30.8x10 cm
Weight	5.4 kg; (Exact weight depends on configuration.)
Ecolabels	EPEAT® registered
Energy star certified (series fixed)	ENERGY STAR® certified
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 VO strp ^{31,13,23,34,35,36}
Manage	1 and (1/1/1) limited according to the 1 and 5 and 1 should be six and an alternate Towns and an altitude and according to the sound and altitude and according to the sound and according to the sound accord

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Accessories and services (not included)

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: 3XJ17AA

HP Stereo USB Headset G2



Plug right in and get ready to speak and hear clearly all day. With noise-cancelling, comfortable design, and easy adjustment, your sound comfort will carry you from call to call without

interference or frustration. Product number: 428K6AA

Google tested to meet Chromebook compatibility standards.

² Loogle tested to meet Chromebook compatibility standards.

This product works with devices capable of running the latest version of Chrome OS and has been certified to meet Google's compatibility standards. Google is not responsible for the operation of this product or its compliance with safety requirements. Chromebook and the Works With Chromebook badge are trademarks of Google LLC.

HP Wired Desktop 320MK Mouse and Keyboard



Work efficiently and enhance your everyday productivity with the reliable HP Wired Desktop 320MK Mouse and Keyboard Product number: 9SR36AA

External power supplies, power cords, cables and peripherals are not Low Halogen. Service

parts obtained after purchase may not be Low Halogen.

Select household wipes can be safely used to clean HP Elite Presenter Mouse, HP Premium keyboard (wireless and USB) and HP desktop wired 320 KB/Mouse up to 1,000 wipes: 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.

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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 branding is not a measurement of higher performance.

 3 Optional feature that must be configured at the time of purchase.

 4 Seven monitors sold separately and connection to seven monitors only supported on PCs equipped with NVIDN® T 400 discrete graphics card and compatible flex VO ports that must be configured at the time of purchase.
- *Seven monitors sold separately and connection to seven monitors only supported on PCs equipped with NVDIAP*400 discrete graphics card and compatible flex/I0 ports that must be configured at the time of purchase.

 *PH Wolf Pro Security Edition (including plat PS sure Click Pro and HP Sure Sense Pro) is available periodaded on select SKUs and, depending on the HP product purchased, includes a paid 1-year or 3-year license. The HP Wolf Pro Security Edition software's licensed under the license terms of the HP Wolf Security Software End-User license Agreement (EULA) that can be found at: https://support.hp.com/us-en/document/sh. 3875769-3873014-16 as: that EULA is modified by the following: '7. Term. Unless otherwise terminated earlier pursuant to the terms contained in this EULA, the license for the HP Wolf Pro Security Edition (HP Sure Sense Pro and HP Sure Click Pro) is effective upon activation and will continue for either a twelve (12) month or thirty-six (36) month license term ("hitial Term"). At the end of the hitial Term you may either (a) purchase a renewal license for the HP Wolf Pro Security Edition from HP. com, HP Sales or an HP Channel Partner, or (b) continue using the standard versions of HP Sure Click Pro) is effective upon activation and to further under the sets to clean select HP Commercial Pro. Security Edition from HP. com, HP Sales or an HP Channel Partner, or (b) continue using the standard versions of HP Sure Click Pro) Security Edition from HP. com, HP Sales or an HP Channel Partner, or (b) continue using the standard versions of HP Sure Click Pro) is expected to clean select HP Commercial Pro. Security Edition from HP. com, HP Sales or an HP Channel Partner, or (b) continue using the standard versions of HP Sure Click Pro) is expected to clean select HP Commercial Pro. Security Edition from HP. com, HP Sales or an HP Channel Partner, or (b) continue using the standard versions of HP Sure Click Pro) is expected to clean select HP Commercial Pro. Security Edition of the HP Sure Pro. Sec

Technical Specifications Footnotes

- Not all features are available in all editions or versions of Windows. Systems may require upgraded and \$\theta\$ reparately 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. SP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com.

 2 This system is preinstalled with Windows 10 Pro software and also comes with alicense for Windows 11 Pro software and provision for recovery software. You may only use one version of the Windows software at a time. Switching between versions will require you to uninstall one version and install the other version. You must back up all data filies, photos, etc.) beforeuninstalling and installing operating systems to avoid loss of your data.

 3 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 quaranteed.

 4 For full Intel®-VPro® functionality, Windows 10 Pro 64 bit, avPro supported processor, vPro enabled chipset, vPro enabled wired LAN and br WLAN card and TPM 2.0 are required. Some functionality requires additional 3rd party software in order to run. See http://www.com/documents/
- The first inter-view including, windows 10 Pro 64 bit, a vero supported processor, vero enabled chipset, vero enabled when Charles and the Company of the Co
- Memory modules support data transfer rates up to 4800 MT/s; system speed up to 4400 MT/s, following Intel's design guideline. Actual data rate is determined by the system configuration

- Memory modules support data transfer rates up to 4400 M 1/s; system speed up to 4400 M 1/s; following Intel's design guideline. Actual datarates determined by the system configuration.

 System architecture design is 2 DIMMS per channel and the population starts from the furthest memory slot from the processor.

 Symmetric configurations are required for the 2 DIMMs within the same memory channel.

 For storage drives, 6B = 1 billion bytes. Tel = 1 trillion bytes. Actual formatted capacity is less. Up to 36 GB (for Windows) of disk is reserved for system recovery software.

 HP Manageability Integration Kit can be downloaded from http://www.hp.com/go.klientmanagement.

 HP Quick Drop requires internet access and Windows 10 PC preinstalled with HP Quick Drop app, and *l*or an iOS device (phone or tablet) running iOS 12 or higher with the iOS HP Quick Drop app.
- ¹³ HP Support Assistant: Requires Windows and Internet access.
 ¹⁴ PC can only be configured with one of these three available optional features: slim ODD or removable HDD or M.2 SSD bay
- 14 P.C. can only be configured with one of these three available optional features: sim ODD or removable HDD or M.2 SSD bay.

 15 htd € The ment Network Adapter 1225-11 is sold separately or as an optional feature.

 16 HP Connect for Microsoft Endpoint Manager is available from the Azure Market Place for HP Pro, Elite, Z and Point-of-Sale PCs managed with Microsoft Endpoint Manager. Subscription to Microsoft Endpoint Manager is available from the Azure Market Place for HP Pro, Elite, Z and Point-of-Sale PCs managed with Microsoft Endpoint Manager. Subscription to Microsoft Endpoint Manager required and sold separately. Network connection required.

 17 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 wist http://www.hp.com/smart-support

 18 HP Patch Assistant available on select HP CS with the HP Manageability Kit that are managed through Microsoft System Center Configuration Manager. HP Manageability Integration Kit can be downloaded from http://www.8-hp.com/us/seh/ads/sklientmanagement/overview.html.

- http://www8.hp.com/useh/ads/klientmanagement/bverview.html.

 3º Availability varies by countries.

 2º HP Sure's ense is availabile on select HP PCs and is not available with Windows10 Home.

 2º HP Sure's ense is availabile on select the PCs and is not available with Windows10 Home.

 2º HP Sure Fearse for themethod so utilined 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!

 2º HP Sure Click requires Windows 10 Pro or higher or Enterprise. Seehthps://bit.ly/2PrdT6A_SureClick for complete details.

 2º HP Sure Start Gen7 is available on select HP PCs.

 2º HP Sure Start Gen7 is available on select HP PCs.

- 26 HP Sure Recover Gen 5 ka available on select HP PCs.
 27 HP Sure Recover Gen 5 ka available on select HP PCs and requires Windows 10 or higher 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-Fils only available on PCs with Intel Wi-Film Module.
 28 HP Sure Admin requires Windows 10 or higher, HP BIOS, HP Manageability integration Kit from http://www.hp.com/go.klientmanagement and HP Sure Admin Local Access Authenticators martphone app from the Android or Apple store.
 29 Absolute firm ware module is shipped turned of find at can only be activated with the purchase alicense subscription and full activation of the softwareagent. License subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. Certain conditions apply. For full details visit: https://www.absolute.com/about/legal/agreements/absolute/
 30 Thunderbolt™ 3.0 and Serial/PS/Z combo occupies a PC les lot.
 31 External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.
 32 Percentage of ocean-bound plastic contained in each component varies by product.
 33 Recycled plastic content percentage is based on the definition set in the EEE 1680.1-2018 standard.
 34 TE Derived Closed Loop Plastic percentage is based on the definition set in the EEE 1680.1-2018 standard.
 35 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.
 36 Molded pulp cushions are made from 100% recycled wood fiber and organic materials.

- ³⁷ myHP requires Windows OS.
- 38 Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi6 is backwards compatible with prior 802.11 specs

- ^{3-w} Writess access point and internet servicerequired and so lose speciately. Availability of public writess access points inmited. Wi-Hib is Dackwards compatible with profess.

 ^{3-w} To achieve optimal memory speed, IP strongly recommends to use identical memory modules (e.g., same capacity, same part number and from the same supplier) within the samememory channel.

 ⁴⁰ All memory slots are customer accessible/upgradeable.

 ⁴¹ The 800 G9, 600 G9, and 400 G9 Tower/SFF products do not operate under 6GHz band. The products are compatible with 6GHz and other routers, sold separately, and will operate in 2.4Ghz and 5GHz bands. The actual throughput deponding to router configuration.

 ⁵⁶ HP Wolf Pro Security Edition (including HP Sure Click Pro and HP Sure Sense Pro) is available per loaded on select SKUs and, depending on the HP product purchased, includes a paid 1-year or 3-year license. The HP Wolf Pro Security Edition (including HP Sure Click Pro and HP Sure Click Pro -- PF WOLL PLUS Security Edition (including HP Sure Click Pro and HP Sure Sense Pro) is available preloaded on select SKUs and, depending on the HP product purchased, includes a paid 1-year or 3-year license. The HP Wolf Pro Security Edition software is licensed under the license terms of the HP Wolf Security Software - End-User license Agreement (EULA) that can be found at: https://support.hp.com/us-en/document/ish_3875769-3873014-16 as that EULA is modified by the following: "7. Term. Unless otherwise terminated earlier pursuant to the terms contained in this EULA, the license for the HP Wolf Pro Security Edition (HP Sure Sense Pro and HP Sure Click Pro) is effective upon activation and will continue for either a twelve(12) month or thirty-six (36) month license term ('nitiali Term'). At the end of the hillal Term you may either (a) purchase are newal license for the HP Wolf 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 futures of tware updates or HP Surport.

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