Data sheet

# 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

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### 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 port[3], and 11 USB ports.

### Breakthrough performance

- Power users with heavy workloads will enjoy the latest Intel® processor[2], fast dual PCIe Gen 4 storage[3], and optional AMD Radeon™ RX6300 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]

### Help protect our shared future

- At least 50 percent of all plastic used in this PC is post-consumer recycled plastic.[6] The outer box packaging is 100 percent sustainably sourced.[7] This PC is ENERGY STAR® certified and EPEAT® registered in 23 countries.[8]
- 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.
- Keep multiple applications running without system lag and optimize performance with Intel® Dynamic Tuning Technology that automatically and dynamically allocates power between Intel® processor and an Intel® integrated graphics.[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 DDR5 memory.
- Get a fast and reliable connection in dense wireless environments with optional Wi-Fi 6E.[10,11,12]
- 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.[3,14,15]
- 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.[16]

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# HP Elite SFF 800 G9 Desktop PC Specifications Table





*Product image may differ from actual product

| | |
|---|---|
| Available Operating Systems | Windows 11 Pro[1]<br>Windows 11 Home – HP recommends Windows 11 Pro for business[1]<br>Windows 11 Home Single Language – HP recommends Windows 11 Pro for business[1]<br>Windows 11 Pro (preinstalled with Windows 10 Pro Downgrade)[1,2]<br>FreeDOS |
| Processor family | 13th Generation Intel® Core™ i9 processor; 13th Generation Intel® Core™ i7 processor; 13th Generation Intel® Core™ i5 processor; 13th Generation Intel® Core™ i3 processor; 12th Generation Intel® Core™ i9 processor; 12th Generation Intel® Core™ i7 processor; 12th Generation Intel® Core™ i5 processor; 12th Generation Intel® Core™ i3 processor |
| Available Processors[4,5,6] | Intel® Core™ i5-12600 with Intel® UHD Graphics (3.3 GHz P-core base frequency, up to 4.8 GHz P-core Max Turbo frequency, 18 MB L3 cache, 6 P-cores, 12 threads), supports Intel® vPro® Technology; Intel® Core™ i5-12500 with Intel® UHD Graphics (3.0 GHz P-core base frequency, up to 4.6 GHz P-core Max Turbo frequency, 18 MB L3 cache, 6 P-cores, 12 threads), supports Intel® vPro® Technology; Intel® Core™ i3-12300 with Intel® UHD Graphics (3.5 GHz P-core base frequency, up to 4.4 GHz P-core Max Turbo frequency, 12 MB L3 cache, 4 P-cores, 8 threads); Intel® Core™ i3-12100 with Intel® UHD Graphics (3.3 GHz P-core base frequency, up to 4.3 GHz P-core Max Turbo frequency, 12 MB L3 cache, 4 P-cores, 8 threads); Intel® Core™ i9-12900 with Intel® UHD Graphics (1.8 GHz E-core base frequency, 2.4 GHz P-core base frequency, up to 3.8 GHz E-core Max Turbo frequency, up to 5.0 GHz P-core Max Turbo frequency, up to 5.1 GHz with Intel® Turbo Boost Technology, 30 MB L3 cache, 8 P-cores and 8 E-cores, 24 threads), supports Intel® vPro® Technology; Intel® Core™ i7-12700 with Intel® UHD Graphics (1.6 GHz E-core base frequency, 2.1 GHz P-core base frequency, up to 3.6 GHz E-core Max Turbo frequency, up to 4.8 GHz P-core Max Turbo frequency, up to 4.9 GHz with Intel® Turbo Boost Technology, 25 MB L3 cache, 8 P-cores and 4 E-cores, 20 threads), supports Intel® vPro® Technology; Intel® Core™ i3-13100 (4.5 GHz P-core base frequency, up to 3.4 GHz P-core Max Turbo frequency, 12 MB L3 cache, 8 P-cores and 0 E-cores, 8 threads); Intel® Core™ i9-13900 (1.5 GHz E-core base frequency, 2.0 GHz P-core base frequency, up to 4.2 GHz E-core Max Turbo frequency, up to 5.2 GHz P-core Max Turbo frequency, 36 MB L3 cache, 8 P-cores and 16 E-cores, 32 threads), supports Intel® vPro® Technology; Intel® Core™ i7-13700 (1.5 GHz E-core base frequency, 2.1 GHz P-core base frequency, up to 4.1 GHz E-core Max Turbo frequency, up to 5.1 GHz P-core Max Turbo frequency, 30 MB L3 cache, 8 P-cores and 8 E-cores, 24 threads), supports Intel® vPro® Technology; Intel® Core™ i5-13500 (1.8 GHz E-core base frequency, 2.5 GHz P-core base frequency, up to 3.5 GHz E-core Max Turbo frequency, up to 4.8 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores and 8 E-cores, 20 threads), supports Intel® vPro® Technology |
| Chipset | Intel® Q670 (vPro®) |
| Form factor | Small form factor |
| Maximum memory | 128 GB DDR5-4800 SDRAM [7,8,9,39,40]<br>Transfer rates up to 4400 MT/s. |
| Memory slots | 4 DIMM |
| Internal storage | 500 GB up to 2 TB SATA HDD[10,44]<br>256 GB up to 1 TB PCIe® NVMe™ M.2 SSD[10,44]<br>256 GB up to 2 TB PCIe® NVMe™ TLC M.2 SSD[10,42,44]<br>256 GB PCIe® NVMe™ OPAL 2 M.2 SSD[10,44] |
| Optical drive | HP 9.5 mm Slim DVD-Writer; HP 9.5 mm Slim DVD-ROM [3] (##opticaldriveavailnote##) |
| Available Graphics | Integrated: Intel® UHD Graphics 730; Intel® UHD Graphics 770<br>Discrete: NVIDIA® T400 (4 GB GDDR6 dedicated); NVIDIA® T400 (2 GB GDDR6 dedicated); AMD Radeon™ RX 6300 Graphics (2 GB GDDR6 dedicated)[43] |
| Audio | Realtek ALC3252 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 2 M.2 2280 slots for storage) |
| Ports and connectors | Front: 1 headphone/microphone combo; 4 SuperSpeed USB Type-A 10Gbps signaling rate; 1 SuperSpeed USB Type-C® 20Gbps signaling rate ;<br>Rear: 1 audio-in/out; 1 RJ-45; 1 HDMI 1.4; 3 SuperSpeed USB Type-A 5Gbps signaling rate; 2 DisplayPort™ 1.4; 3 USB Type-A 480 Mbps signaling rate ;<br>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: 1 DisplayPort™ 1.4, 1 HDMI 2.0b, 1 VGA, 1 serial, 1 Dual 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[30] |
| Input devices | HP PS/2 Business Slim Keyboard; HP USB Business Slim SmartCard CCID 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-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card, vPro®; Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card, non-vPro®; Realtek Wi-Fi 6 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;<br>Operating humidity: 10 to 90% RH; |
| Software | HP Notifications; HP PC Hardware Diagnostics UEFI; HP Support Assistant; HP Connection Optimizer; HP Privacy Settings; HP PC Hardware Diagnostics Windows; HP Desktop Support Utilities; MyHP; HP Easy Clean; Touchpoint Customizer for Commercial; HP Easy Clean Keyboard Driver; HSA Fusion for Commercial; HSA Telemetry for Commercial; [12,13,37] |
| Available software | 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 Gen7; HP Tamper Lock; HP Sure Start Gen7; HP Sure Sense2; HP Sure Run Gen5; HP Sure Recover Gen5;[20,21,22,23,24,25,26,27,28,29] |
| 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); HP CECP Enabled Configuration[11,16,18] |
| Power | 400 W internal power supply, up to 92% efficiency, active PFC; 260 W internal power adapter, up to 92% efficiency, active PFC |
| Dimensions | 33.8 x 30.8 x 10 cm |
| Weight | 5.4 kg; (Exact weight depends on configuration.) |
| Ecolabels | EPEAT® Gold 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 I/O strip[31,32,33,34,35,36] |
| Warranty | 1 year (1/1/1) limited warranty includes 1 year 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 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.<br>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.<br>Product number: 428K6AA<br>[1] Google tested to meet Chromebook compatibility standards.<br>[2] 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.<br>Product number: 9SR36AA<br>[1] External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.<br>[2] 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. |
| HP Keyed Cable Lock 10 mm | | Help keep your notebook safe in the office and high-traffic areas by tethering it to a secure surface with the HP Master Keyed Cable Lock 10mm, designed specifically for ultra-thin profile notebooks.<br>Product number: T1A62AA |
| HP Business Slim Smartcard Keyboard | | Boost your productivity, make a stylish IT choice, and get integrated security features with the HP USB Slim Smartcard Keyboard, which has a built-in smart card reader and is designed to complement the latest HP Business PCs.<br>Product number: Z9H48AA<br>[1] Refer to cleaning instructions in user guide. |

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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/or naming 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 NVIDIA® T400 discrete graphics card and compatible flex I/O ports that must be configured at the time of purchase.
[5] HP Wolf Pro 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 ("Initial Term"). At the end of the Initial 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 and HP Sure Sense at no additional cost with no future software updates or HP Support.
[6] Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.
[7] 100% outer box packaging made from sustainably sourced certified and recycled fibers. Fiber cushions made from 100% recycled wood fiber and organic material. Any plastic cushions are made from >90% recycled plastic.
[8] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for more information.
[9] Requires Intel® Core™ i7 or i9 processor and Intel® integrated graphics.
[10] All HP G9 Minis and AiOs support Wi-Fi 6E. HP 600/800 G9 TWR/SFF desktops with Intel® 13th Gen CPUs support Wi-Fi 6E. HP 600/800 G9 TWR/SFF desktops do not support Wi-Fi 6E or operate under 6GHz band when configured with Intel 12th Gen CPUs. HP 400 G9 TWR/SFF do not support Wi-Fi 6E or operate under 6GHz band. Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. And available in countries where Wi-Fi 6E is supported.
[11] HP desktops that do not support Wi-Fi 6E-are compatible with Wi-Fi 6E and other routers, sold separately, and operate in 2.4GHz and 5GHz, in compliance with Wi-Fi 6 and prior 802.11 specs. The actual throughput depends on network condition and router configuration. Internet service required and public wireless access points are limited.
[12] Wi-Fi® supporting gigabit data rate is achievable with Wi-Fi 6 (802.11ax) when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 160MHz channels.
[13] 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.
[14] 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.
[15] MIL STD 810 testing 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.
[16] HP Sure Start Gen7 is available on select HP PCs and requires Windows 10 and higher.

## 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 is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com .
[2] This system is preinstalled with 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 (files, photos, etc.) before uninstalling 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 guaranteed.
[4] For full Intel® vPro® functionality, Windows 11 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] 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.
[8] System architecture design is 2 DIMMS per channel and the population starts from the furthest memory slot from the processor.
[9] Symmetric configurations are required for the 2 DIMMs within the same memory channel.
[10] For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 36 GB (for Windows) of disk is reserved for system recovery software.
[11] HP Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement.
[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.
[15] Intel® Ethernet Network Adapter I225-T1: 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 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 visit http://www.hp.com/smart-support
[18] HP Patch Assistant available on select HP PCs with the HP Manageability Kit that are managed through Microsoft System Center Configuration Manager. HP Manageability Integration Kit can be downloaded from http://www8.hp.com/us/en/ads/clientmanagement/overview.html.
[19] Availability varies by countries.
[20] HP Sure Sense is available on select HP PCs and is not available with Windows10 Home.
[21] HP BIOSphere Gen6 features may vary depending on the platform and configuration.
[22] 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™.
[23] HP Sure Run Gen5 is available on select HP PCs and requires Windows 10 or higher.
[24] HP Sure Click requires Windows 10 Pro or higher or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.
[25] HP Client Security Manager Gen7 requires Windows and is available on select HP Elite and Pro PCs.
[26] HP Sure Start Gen7 is available on select HP PCs.
[27] HP Sure Recover Gen5 is 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-Fi is only available on PCs with Intel Wi-Fi Module.
[28] HP Sure Admin requires Windows 10 or higher, 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.
[29] Absolute firmware module is shipped turned off and can only be activated with the purchase a license subscription and full activation of the software agent. 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/2 combo occupies a PCIe slot.
[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 IEEE 1680.1-2018 standard.
[34] ITE Derived Closed Loop Plastic percentage is based on the definition set in the IEEE 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-Fi 6 is backwards compatible with prior 802.11 specs.
[39] To achieve optimal memory speed, HP strongly recommends to use identical memory modules (e.g., same capacity, same part number and from the same supplier) within the same memory channel.
[40] All memory slots are customer accessible / upgradeable.
[41] The HP 800 G9 TWR/SFF requires Intel® 13th Gen processor to support Wi-Fi 6E and requires a Wi-Fi 6E router, sold separately, to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. Available in countries where Wi-Fi 6E is supported. For HP 800 G9 TWR/SFF without Intel® 13th Gen processors, the product does not support Wi-Fi 6E standard and does not operate under 6GHz band. The product is compatible with 6GHz and other routers, sold separately, which have capability to operate in 2.4GHz and 5GHz, in compliance with Wi-Fi 6 and prior 802.11 specs. The actual throughput depends on network condition and router configuration. Internet service required and public wireless access points are limited.
[42] 256GB TLC M.2 SSD only available with 12th gen CPUs.
[43] T400 2GB is only avaiable with 12th gen CPUs.
[44] Starting from November 1st 2023, all shipments will require Windows to be installed on SSD to provide users a better experience. HDD can only be configured as additional data drives and not the boot drive.
[56] HP Wolf Pro 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 ("Initial Term"). At the end of the Initial 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 and HP Sure Sense at no additional cost with no future software updates or HP Support.

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