



# 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 port<sup>3</sup>, and 11 USB ports.

## Breakthrough performance

- Power users with heavy workloads will enjoy the latest Intel® processor<sup>2</sup>, fast dual PCIe Gen 4 storage<sup>3</sup>, and optional Nvidia® T400 graphics.<sup>3</sup> Get ready for an immersive experience with the ability to connect up to seven monitors.<sup>4</sup>

## 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.<sup>5</sup>
- 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.<sup>2</sup>
- 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.<sup>9</sup>
- 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.<sup>3,10,11</sup>
- 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.<sup>12</sup>
- 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.<sup>13,14,15</sup>

## HP Elite SFF 800 G9 Desktop PC Specifications Table



\*Product image may differ from actual product

<b>Available Operating Systems</b>	Windows 11 Pro <sup>1</sup> Windows 11 Pro Education <sup>1</sup> Windows 11 Home – HP recommends Windows 11 Pro for business <sup>1</sup> Windows 11 Home Single Language – HP recommends Windows 11 Pro for business <sup>1</sup> Windows 11 Pro (Windows 11 Enterprise available with a Volume Licensing Agreement) <sup>1</sup> Windows 10 Pro (available through downgrade rights from Windows 11 Pro) <sup>1,2</sup> FreeDOS
<b>Processor family</b>	12th Generation Intel® Core™ i7 processor; 12th Generation Intel® Core™ i9 processor; 12th Generation Intel® Core™ i3 processor; 12th Generation Intel® Core™ i5 processor
<b>Available Processors</b> <sup>4,5,6</sup>	Intel® Core™ i9-12900 with Intel® UHD Graphics (2.4 GHz base frequency, up to 5.1 GHz with Intel® Turbo Boost Technology, 30 MB L3 cache, 16 cores, 24 threads), supports Intel® vPro® Technology; Intel® Core™ i7-12700 with Intel® UHD Graphics (2.1 GHz base frequency, up to 4.9 GHz with Intel® Turbo Boost Technology, 25 MB L3 cache, 12 cores, 20 threads), supports Intel® vPro® Technology; Intel® Core™ i5-12600 with Intel® UHD Graphics (3.3 GHz base frequency, up to 4.8 GHz with Intel® Turbo Boost Technology, 18 MB L3 cache, 6 cores, 12 threads), supports Intel® vPro® Technology; Intel® Core™ i5-12500 with Intel® UHD Graphics (3.0 GHz base frequency, up to 4.6 GHz with Intel® Turbo Boost Technology, 18 MB L3 cache, 6 cores, 12 threads), supports Intel® vPro® Technology; Intel® Core™ i5-12400 with Intel® UHD Graphics (2.5 GHz base frequency, up to 4.4 GHz with Intel® Turbo Boost Technology, 18 MB L3 cache, 6 cores, 12 threads); Intel® Core™ i3-12300 with Intel® UHD Graphics (3.5 GHz base frequency, up to 4.4 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 4 cores, 8 threads); Intel® Core™ i3-12100 with Intel® UHD Graphics (3.3 GHz base frequency, up to 4.3 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 4 cores, 8 threads)
<b>Chipset</b>	Intel® Q670 (vPro®)
<b>Form factor</b>	Small form factor
<b>Maximum memory</b>	128 GB DDR5-4800 SDRAM <sup>7,8,9,39,40</sup> Transfer rates up to 4400 MT/s.
<b>Memory slots</b>	4 DIMM
<b>Internal storage</b>	500 GB up to 2 TB SATA HDD <sup>10</sup> 256 GB up to 1 TB PCIe® NVMe™ M.2 SSD <sup>10</sup> 256 GB up to 2 TB PCIe® NVMe™ TLC M.2 SSD <sup>10</sup>
<b>Optical drive</b>	HP 9.5 mm Slim DVD-Writer; HP 9.5 mm Slim DVD-ROM <sup>3</sup>
<b>Available Graphics</b>	Integrated: Intel® UHD Graphics 730; Intel® UHD Graphics 770 Discrete: NVIDIA® T400 (2 GB GDDR6 dedicated); NVIDIA® T400 (4 GB GDDR6 dedicated) <sup>18</sup>
<b>Audio</b>	Realtek ALC3252 codec, universal audio jack with CTIA and OMTP headset support
<b>Expansion slots</b>	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)
<b>Ports and Connectors</b>	Front: 1 headphone/microphone combo; 4 SuperSpeed USB Type-A 10Gbps signaling rate; 1 SuperSpeed USB Type-C® 20Gbps signaling rate; 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; 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 <sup>30</sup>
<b>Input devices</b>	HP PS/2 Business Slim Keyboard; HP USB Business Slim SmartCard CCID Keyboard; HP 655 Wireless Keyboard and mouse combo; HP USB 320K Keyboard <sup>19</sup> ; HP PS/2 mouse; HP 125 Wired Mouse; HP 128 Laser Wired Mouse <sup>19</sup> ;
<b>Communications</b>	LAN: Intel® Ethernet Network Adapter I225-T1; Intel® I219-LM GbE LOM, vPro® <sup>15</sup> ; Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.2 M.2 combo, vPro®; Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.2 M.2 combo, non-vPro®; Realtek Wi-Fi 6 RTL8852BE 802.11a/b/g/n/ax (2x2) and Bluetooth® 5.2 combo <sup>38,41</sup> ;
<b>Drive Bays</b>	Two 3.5"; 1 slim ODD or 1 removable SATA HDD or 1 M.2 SSD bay <sup>14</sup>
<b>Environmental</b>	Operating temperature: 10 to 35°C; Operating humidity: 10 to 90% RH;
<b>Software</b>	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 QuickDrop; HP Easy Clean; Touchpoint Customizer for Commercial; HP Easy Clean Keyboard Driver; HSA Fusion for Commercial; HSA Telemetry for Commercial; <sup>12,13,37</sup>
<b>Available software</b>	HP Smart Support <sup>17</sup>
<b>Security management</b>	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; <sup>20,21,22,23,24,25,26,27,28,29</sup>
<b>Security Software Licenses</b>	HP Wolf Pro Security Edition <sup>56</sup>
<b>Management features</b>	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) <sup>11,16,18</sup>
<b>Power</b>	400 W internal power supply, up to 92% efficiency, active PFC, 260 W internal power adapter, up to 92% efficiency, active PFC
<b>Dimensions</b>	33.8 x 30.8 x 10 cm
<b>Weight</b>	5.4 kg; (Exact weight depends on configuration.)
<b>Ecolabels</b>	EPEAT® registered
<b>Energy star certified (series fixed)</b>	ENERGY STAR® certified
<b>Sustainable impact specifications</b>	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 <sup>31,32,33,34,35,36</sup>
<b>Warranty</b>	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.

## HP Elite SFF 800 G9 Desktop PC

### Accessories and services (not included)

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#### 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**

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#### 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**

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#### 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**

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## HP Elite SFF 800 G9 Desktop PC

### Messaging Footnotes

- <sup>2</sup> 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.
- <sup>3</sup> Optional feature that must be configured at the time of purchase.
- <sup>4</sup> 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.
- <sup>5</sup> 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](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.
- <sup>9</sup> 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://www2.hp.com/v2/GetDocument.aspx?docname=4AA7-7610ENW) <https://www2.hp.com/v2/GetDocument.aspx?docname=4AA7-7610ENW> not applicable to HP Elite c1030 Chromebook.
- <sup>10</sup> 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.
- <sup>11</sup> 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.
- <sup>12</sup> HP Sure Start Gen7 is available on select HP PCs and requires Windows 10 and higher.
- <sup>13</sup> Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.
- <sup>14</sup> 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.
- <sup>15</sup> Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit [www.epeat.net](http://www.epeat.net) for more information

### Technical Specifications Footnotes

- <sup>1</sup> 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>.
- <sup>2</sup> This system is preinstalled with Windows 10 Pro software and also comes with a license 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 (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.
- <sup>3</sup> HP-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.
- <sup>4</sup> 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>
- <sup>5</sup> 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.
- <sup>6</sup> 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](http://www.intel.com/technology/turboboost) for more information.
- <sup>7</sup> 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.
- <sup>8</sup> System architecture design is 2 DIMMs per channel and the population starts from the furthest memory slot from the processor.
- <sup>9</sup> Symmetric configurations are required for the 2 DIMMs within the same memory channel.
- <sup>10</sup> 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.
- <sup>11</sup> HP Manageability Integration Kit can be downloaded from <http://www.hp.com/go/clientmanagement>.
- <sup>12</sup> 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.
- <sup>13</sup> HP Support Assistant: Requires Windows and Internet access.
- <sup>14</sup> PC can only be configured with one of these three available optional features: slim ODD or removable HDD or M.2 SSD bay.
- <sup>15</sup> Intel® Ethernet Network Adapter I225-T1: sold separately or as an optional feature.
- <sup>16</sup> 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.
- <sup>17</sup> 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>
- <sup>18</sup> 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>.
- <sup>19</sup> Availability varies by countries.
- <sup>20</sup> HP Sure Sense is available on select HP PCs and is not available with Windows 10 Home.
- <sup>21</sup> HP BIOSphere Gen6 features may vary depending on the platform and configuration.
- <sup>22</sup> 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™.
- <sup>23</sup> HP Sure Run Gen5 is available on select HP PCs and requires Windows 10 or higher.
- <sup>24</sup> HP Sure Click requires Windows 10 Pro or higher or Enterprise. See [https://bit.ly/2PrLT6A\\_SureClick](https://bit.ly/2PrLT6A_SureClick) for complete details.
- <sup>25</sup> HP Client Security Manager Gen7 requires Windows and is available on select HP Elite and Pro PCs.
- <sup>26</sup> HP Sure Start Gen7 is available on select HP PCs.
- <sup>27</sup> 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.
- <sup>28</sup> 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.
- <sup>29</sup> 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/>.
- <sup>30</sup> Thunderbolt™ 3.0 and Serial/PS/2 combo occupies a PCIe slot.
- <sup>31</sup> External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.
- <sup>32</sup> Percentage of ocean-bound plastic contained in each component varies by product.
- <sup>33</sup> Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.
- <sup>34</sup> ITE Derived Closed Loop Plastic percentage is based on the definition set in the IEEE 1680.1-2018 standard.
- <sup>35</sup> 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.
- <sup>36</sup> Molded pulp cushions are made from 100% recycled wood fiber and organic materials.
- <sup>37</sup> myHP requires Windows OS.
- <sup>38</sup> 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.
- <sup>39</sup> 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.
- <sup>40</sup> All memory slots are customer accessible / upgradeable.
- <sup>41</sup> 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 depends on network condition and router configuration.
- <sup>56</sup> 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](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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