HP Elite SFF 805 G9 Desktop PC

Power your most demanding applications

Step into the future with the highly secure and easy to manage HP Elite 805 SFF equipped with an AMD Ryzen™ 8000 series processor[2] and AMD RDNA™ 3 onboard graphics, and an NPU[3] that work together to balance workloads get the most out of cloud-based AI applications. Quickly work through multiple tasks with AI-enhanced power that takes over mundane tasks for you so you can focus on what matters most.

Powered to thrive

Enjoy impressive desktop performance provided by an AMD Ryzen™ 8000 series processor[2], AMD RDNA™ 3 onboard graphics, and an optional NPU[3] that work together to balance workloads get the most out of cloud-based AI applications.

Customizable expansion

Configure this PC to take on the most demanding tasks with up to 128GB of DDR5 memory[4], two Gen 4 SSDs with RAID support, and 11 native USB ports to connect the devices you need to stay productive throughout the day.

Protected by HP Wolf Security

HP Wolf Security for Business creates a hardware-enforced, always-on, resilient defense.[5]



*Product image may differ from actual product

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Featuring

Work hard without sounding like it
Focus on work while enjoying whisper quiet operation. The HP Elite 805 SFF utilizes HP Run Quiet Design that finely tunes the fans to keep systems running quiet and cool.

Agile performance
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.

Copilot for Microsoft 365 and Wi-Fi 7
Accelerate your optional cloud-based Copilot for Microsoft 365, with optional gigabit data rate Wi-Fi 7 to help you work efficiently. Copilot for Microsoft 365 provides relevant and contextual insights in the apps you use every day.

Automatic recovery from firmware attacks
Firmware attacks can completely devastate your PC. Stay protected with HP Sure Start, the self-healing BIOS that automatically recovers itself from attacks or corruption.[13]

Keep your PC's security protections in place
Stop unwanted changes to security settings and help limit the spread of malware with HP Sure Run which identifies, quarantines, and provides reporting on attackers trying to kill processes.[14]

Browse confidently
Help protect your PC from websites and read and edit Microsoft Word files and read-only PDF attachments with malware, ransomware, or viruses with hardware-enforced security from HP Sure Click.[15]

Built-in durability
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.[16,17,18]

Reliable connections
Improve connectivity in crowded wireless environments while on Wi-Fi® with HP Extended Range Wireless LAN that allows greater distance from the transmission point and fast data throughput at shorter ranges.[19]

Physical tamper protection
Require a supervisor password to be used to unlock a PC anytime tamper detection sensors located on the top cover of the PC are removed with HP Tamper Lock.[20]

Recovery simplified
HP Sure Recover provides fast, secure, and automated recovery of the OS over LAN or Wi-Fi® from advanced malware attacks. End users can now pause or retry if the connection is lost and it's corporate image ready for fleet deployments.[21]

HP Sure Sense
Malware is evolving rapidly beyond traditional antivirus capabilities. Protect your PC against never-before-seen attacks with HP Sure Sense, which combines behavioral analysis with advanced AI techniques to provide exceptional protection.[22]

Speed up the basics of IT management
Deploy the HP Manageability Integration Kit to help speed up image creation and the management of hardware, BIOS, and security when managing devices through Microsoft Endpoint Manager.[23]

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Technical specifications

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 Single Language – HP recommends Windows 11 Pro for business[1] FreeDOS
Processor family[15]	AMD Ryzen™ 3 PRO processor AMD Ryzen™ 3 processor AMD Ryzen™ 5 PRO processor AMD Ryzen™ 5 processor AMD Ryzen™ 7 PRO processor AMD Ryzen™ 7 processor
Available Processors[1,3,4]	AMD Ryzen™ 7 PRO 8700G with Radeon™ Graphics (4.2 GHz base clock, up to 5.1 GHz max boost clock, 24 MB L3 cache, 8 cores, 16 threads) AMD Ryzen™ 5 PRO 8600G with Radeon™ Graphics (4.3 GHz base clock, up to 5.0 GHz max boost clock, 22 MB L3 cache, 6 cores, 12 threads) AMD Ryzen™ 5 PRO 8500G with Radeon™ Graphics (3.5 GHz base clock, up to 5.0 GHz max boost clock, 22 MB L3 cache, 6 cores, 12 threads) AMD Ryzen™ 3 PRO 8300G with Radeon™ Graphics (3.4 GHz base clock, up to 4.9 GHz max boost clock, 12 MB L3 cache, 4 cores, 8 threads) AMD Ryzen™ 7 8700G with Radeon™ Graphics (4.2 GHz base clock, up to 5.1 GHz max boost clock, 24 MB L3 cache, 8 cores, 16 threads) AMD Ryzen™ 5 8600G with Radeon™ Graphics (4.3 GHz base clock, up to 5.0 GHz max boost clock, 22 MB L3 cache, 6 cores, 12 threads) AMD Ryzen™ 5 8500G with Radeon™ Graphics (3.5 GHz base clock, up to 5.0 GHz max boost clock, 22 MB L3 cache, 6 cores, 12 threads) AMD Ryzen™ 3 8300G with Radeon™ Graphics (3.4 GHz base clock, up to 4.9 GHz max boost clock, 12 MB L3 cache, 4 cores, 8 threads)
Chipset	AMD Pro 665
Form factor	Small form factor
Maximum memory	128 GB DDR5-5600 SDRAM; [5,6,7,8,9] Transfer rates up to 5200 MT/s.
Memory slots	4 DIMM
Internal storage	1 TB up to 2 TB SATA HDD[10,11] 256 GB up to 1 TB PCIe® NVMe™ M.2 SSD[10,11] 512 GB up to 2 TB PCIe® NVMe™ TLC M.2 SSD[10,11] 512 GB up to 512 GB PCIe® NVMe™ SED Opal 2 TLC M.2 SSD[10,11] 256 GB PCIe® NVMe™ SED Opal 2 M.2 SSD[10,11]
Optical drive	HP 9.5 mm Slim DVD-Writer; HP 9.5 mm Slim DVD-ROM [12]
Available Graphics	Integrated: AMD RDNA™ 3 Graphics Discrete: NVIDIA® T400 (4 GB GDDR6 dedicated); AMD Radeon™ RX 6300 Graphics (2 GB GDDR6 dedicated)
Audio	Realtek ALC3252 codec, universal audio jack with CTIA and OMTP headset support
Wireless technologies	MediaTek Wi-Fi 6E RZ616 (2x2) and Bluetooth® 5.3 wireless card with external antenna; MediaTek Wi-Fi 7 MT7925 (2x2) and Bluetooth® 5.4 wireless card with external antenna; Realtek Wi-Fi 6 RTL8852BE (2x2) and Bluetooth® 5.3 wireless card with external antenna
Expansion slots	1 M.2 2230; 1 PCIe 3 x1; 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 USB Type-C® 20Gbps signaling rate; 4 USB Type-A 10Gbps signaling rate; 1 combo audio jack ; Rear: 2 USB Type-A 5Gbps signaling rate; 4 USB 2.0 Type-A; 1 HDMI 2.1; 1 DisplayPort™ 1.4a; 1 RJ-45; 1 audio-in/out ; 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 2.1, 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)[14]
Input devices	HP PS/2 Business Slim Keyboard; HP USB Business Slim SmartCard CCID Keyboard; HP 125 Wired Keyboard; HP 125 Antimicrobial Wired Keyboard; HP 655 Wireless Keyboard and mouse combo; HP USB 320K Keyboard[18]; HP PS/2 mouse; HP 125 Wired Mouse; HP 128 Laser Wired Mouse; HP 125 Antimicrobial Wired Mouse; HP Wired 320M Mouse[18]
Communications	LAN: Realtek RTL8111EPP 1 GbE Ethernet Controller
Drive Bays	One 3.5" HDD [13]
Environmental	Operating temperature: 10 to 35°C; Operating humidity: 10 to 90% RH
Software	HP Easy Clean[23]; HP PC Hardware Diagnostics UEFI; HP Desktop Support Utilities; HP Privacy Settings; HP Setup Integrated OOBE; HP Support Assistant[24]; myHP with Multicamera support[25]; HP Notifications; HP Connection Optimizer; HP Services Scan[26]; Buy Microsoft Office (sold separately); Miro offer[27]
Security management	Microsoft 3rd Party UEFI CA Enable; HP Wolf Security for Business[28]; HP Sure Click[29]; HP Sure Sense[30]; HP Sure Recover[31]; HP Sure Run[32]; HP Sure Admin[33]; HP Sure Start[34]; HP Tamper Lock; HP BIOSphere[35]; HP Secure Erase[36]; HP DriveLock and Automatic DriveLock; Absolute Persistence Module[37]; HP Power On Authentication[38]

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Technical specifications

Management features	HP Image Assistant (download)[19] HP Manageability Integration Kit (download)[20] HP Client Management Script Library (download) HP Patch Assistant (download)[21] HP Driver Packs (download)[22] HP Cloud Recovery HP Client Catalog (download)
Power	260 W internal power adapter, up to 92% efficiency, active PFC; 180 W internal power adapter, up to 92% efficiency, active PFC
Dimensions	13.3 x 12.13 x 3.94 in; 33.8 x 30.8 x 10 cm; 15.71 x 19.65 x 8.98 in 39.9 x 49.9 x 22.8 cm (Package)
Weight	11.11 lb; 5.4 kg; (Exact weight depends on configuration.)
Ecolabels	EPEAT® registered
Energy star certified	ENERGY STAR® certified
Sustainable impact specifications	Low halogen; 40% post-consumer recycled plastic; Bulk packaging 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; 10% ITE-derived closed loop plastic; 80 Plus® Platinum power supplies available[39,40,41,42,43,44]

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Footnotes

Messaging Footnotes

[2] 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. AMD's numbering is not a measurement of clock speed.
[3] NPU available on select AMD Ryzen™ 8000 series processors. Must be configured at time of purchase. Features and software that require a NPU may require software purchase, subscription or enablement by a software or platform provider, and third-party software may have specific configuration or compatibility requirements. Performance varies by use, configuration, and other factors.
[4] Sold separately or as an optional feature.
[5] HP Wolf Security for Business requires Windows 10 Pro and higher, includes various HP security features and is available on HP Pro, Elite, Workstation, and RPOS products. See product details for included security features and OS requirements.
[6] PC speaker enclosure and front bezel I/O strip components each made with 5% ocean-bound plastic.
[7] 100% outer box packaging made form 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.
[10] Copilot for Microsoft 365 requires Windows 11, subscription from Microsoft and a work or school Microsoft account. Some features may require an NPU. Timing of feature delivery and availability varies by market and device. Use Copilot with commercial data protection at no additional cost by signing into a work or school account (Microsoft Entra ID, formerly Azure Active Directory ID) with Microsoft 365 E3, E5, F3, A3 or A5. Copilot Pro for Microsoft 365 applications available to individual and family Microsoft 365 accounts via subscription add-on of Copilot Pro. See https://www.microsoft.com/en-us/store/b/copilotpro?ocid=cmmuwqa9q4q&rtc=1 .
[11] Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.11BE) functionality requires Windows 11 2024, Intel ® Core ™ 14th gen processors, and a Wi-Fi 7 router, sold separately. Wi-Fi 7 is backwards compatible with prior 802.11 specs. Available in countries where Wi-Fi 7 is supported. The specification for 802.11BE is a draft specification and is not final. If the final specification differs from the draft specification, it may affect the ability of the device to communicate with other 802.11BE devices.
[12] Wi-Fi® supporting gigabit data rate is achievable with Wi-Fi 7 (802.11BE) when transferring files between two devices connected to the same router.Requires a wireless router, sold separately, that supports 160MHz channels.
[13] HP Sure Start is available on select HP PCs and requires Windows 10 and higher.
[14] HP Sure Run Gen5 is available on select HP PCs and requires Windows 10 and higher.
[15] HP Sure Click requires Windows 10 and higher. See https://bit.ly/2PrLT6A_SureClick for complete details.
[16] 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.
[17] 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.
[18] Optional feature that must be configured at the time of purchase.
[19] Based on internal testing of products with and without HP Extended Range Wireless LAN.
[20] HP Tamper Lock requires a supervisor password be established prior to use.
[21] HP Sure Recover Gen5 is available on select HP PCs and requires Windows 10 and 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.
[22] HP Sure Sense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS.

Specification Footnotes

[1] Features and software that require a NPU may require software purchase, subscription or enablement by a software or platform provider, and third party software may have specific configuration or compatibility requirements. Performance varies by use, configuration, and other factors.[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 apply and additional requirements may apply over time for updates. See http://www.windows.com .
[3] 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. AMD 's numbering is not a measurement of clock speed.
[4] 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.
[5] Memory modules support data transfer rates up to 5600 MT/s. system speed up to 5200 MT/s. following AMD's design guideline. Actual Data rate is determined by the system config.
[6] System architecture design is 2 DIMMS per channel and the population starts from the furthest memory slot from the processor.
[7] Symmetric configurations are required for the 2 DIMMs within the same memory channel.
[8] 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.
[9] All memory slots are customer accessible / upgradeable.
[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] 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 .
[12] 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.
[13] PC can only be configured with one of these three available optional features: slim ODD or removable HDD or M.2 SSD bay.
[14] Thunderbolt™ 3.0 and Serial/PS/2 combo occupies a PCIe slot.
[15] Ryzen™ AI is available on Ryzen 5 Ryzen PRO 8600G, Ryzen 7 PRO 8700G, Ryzen 5 8600G and Ryzen 7 8700G.
[16] Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.11BE) functionality requires compatible Windows 11 OS, compatible processor, and separately purchased Wi-Fi 7 router to support backwards compatibility with prior 802.11 specs. Available in countries where Wi-Fi 7 is supported. The specification for 802.11BE is a draft specification and is not final. If the final specification differs from the draft specification, it may affect the ability of the device to communicate with other 802.11BE devices.
[18] Availability varies by countries.
[19] 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.
[20] HP Manageability Integration Kit can be downloaded from http://www8.hp.com/us/en/ads/clientmanagement/overview.html .
[21] 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 .
[22] HP Cloud Recovery is available for Z by HP, HP Elite and Pro desktops and laptops PCs with Intel® or AMD processors and requires an open, wired network connection. Note: You must back up important files, data, photos, videos, etc. before use to avoid loss of data. Detail, please refer to: https://support.hp.com/us-en/document/c05115630 .
[23] HP Easy Clean requires Windows 10 RS3 and will disable the keyboard, touchscreen, and clickpad only. Ports are not disabled. See user guide for cleaning instructions.
[24] HP Support Assistant is available on Windows. For more information, please visit http://www.support.hp.com/help/hp-support-assistant .
[25] MyHP with Multicamera support for Mini Desktop PC will only available on 13th processor and beyond.
[26] HP Services Scan is preinstalled and/or provided thru Windows Update and checks for service entitlement on each hardware device and downloads the HP Insights agent automatically. To disable this feature, please follow the instructions at http://www.hpdaas.com/requirements. The HP Insights agent is a telemetry and analytics platform that provides critical data around devices and applications and is not sold as a standalone service. Select HP Workforce Solutions require an HP Insights agent for Windows, Mac, & Android, available for download at https://admin.hp.com/software. For full system requirements and services that require the agent, please visit https://admin.hp.com/requirements. The agent collects telemetry and analytics around devices and applications that integrate into the Workforce Experience platform and is not sold as a standalone service. Internet access with connection to the Workforce Experience platform is required. HP follows stringent GDPR privacy regulations, and the platform is ISO27001, ISO27701, ISO27017 and SOC2 Type2 certified for Information Security. Not available in China.
[27] HP customers qualify for a 90 day trail of Miro, this offer ends September 2025. Complete terms and conditions are provided by Miro when accepting the offer.
[28] HP Wolf Security for Business requires Windows 10 or 11 Pro or higher, includes various HP security features and is available on HP Pro, Elite, RPOS and Workstation products. See product details for included security features.
[29] HP Sure Click requires Windows 10 Pro or higher or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.
[30] HP Sure Sense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS.
[31] HP Sure Recover is available on select HP PCs and requires Windows 10 or 11 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.
[32] HP Sure Run is available on select HP PCs and requires Windows 10 and higher.
[33] HP Sure Admin requires HP G8 or newer platforms, Windows 10 or higher, HP BIOS, HP Manageability Kit or KMS Service from http://www.hp.com/go/clientmanagement and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store.
[34] HP Sure Start is available on select HP PCs and requires Windows 10 and higher.
[35] HP BIOSphere features may vary depending on the platform and configuration.
[36] HP Secure Erase implements the methods outlined in the National Institute of Standards and Technology Special Publication 800-88r "Clear" sanitation method. HP Secure Erase does not support platforms with Intel® Optane™.
[37] 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/ .
[38] Ensures that only authorized users can start up the PC or access the BIOS by requiring user authentication using a password prior to system start-up.
[39] External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.
[40] Percentage of ocean-bound plastic contained in each component varies by product.
[41] Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.
[42] ITE Derived Closed Loop Plastic percentage is based on the definition set in the IEEE 1680.1-2018 standard.
[43] 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.
[44] Molded pulp cushions are made from 100% recycled wood fiber and organic materials.

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