Data sheet

HP EliteDesk 805 G6 Desktop Mini PC

Dynamic performance and configurability in a desktop mini

The highly secure and easily managed HP EliteDesk 805 Desktop Mini features many configurable options. Paired with the optional Mini-in-One display,3 this compact, high-performance PC fits easily into an open office with HP Run Quiet Design acoustics to help you focus.



*Product image may differ from actual product

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Create and do more

- With an AMD Ryzen™ PRO 4000 series processor[2] and optional NVIDIA® GEFORCE GTX 1660 Ti graphics card[3] , this VR-capable PC can unleash the extraordinary NVIDIA® Studio. Enjoy the ultimate immersive experience on up to seven monitors.[4]

Evolving with the modern workplace

- Reclaim your desk with a PC you can install behind your monitor or inside the HP Mini-in-One 24 Display[5] for a single-footprint solution. The HP Run Quiet Design acoustics to help you focus and Wi-Fi 6[3,6] delivers fast connections in busy spaces.

Work with peace of mind

- Security features from HP and manageability features from AMD create an always-on, always-acting, resilient defense that is easily managed. Simplify device management with AMD DASH and support for full-featured hardware KVM.
- Enjoy the power of the optional 65W AMD Ryzen™ 7 PRO processor and optional NVIDIA® GEFORCE GTX 1660 Ti graphics card along with 4 TB total dual M.2 SSD with RAID, and up to 3200 MHz memory.[2,3]
- Expand with your business needs with two Flex option slots for optimal configurability, including optional, serial, VGA, HDMI, Display Port™ or 100 W USB-C® Power Delivery ports and Fiber Network ports for highly secure Fiber Networks.[3]
- Customize your Mini solution with a range of exclusive accessories that secure and mount your Mini and its power supply on a monitor, wall or virtually anywhere else with an optional HP Quick Release Bracket.[7]
- Support your sustainability initiatives with a PC that's built with ocean-bound plastics. We go one step further with 90% recyclable packaging that's easily accepted by recycling facilities.[8]
- Stop unwanted changes to security settings and help limit the spread of malware with HP Sure Run Gen3 which identifies, quarantines, and provides reporting on attackers trying to kill processes.[9]
- HP Sure Recover Gen3 ensures fast, secure, and automated recovery that can be paused or retried over a LAN or Wi-Fi® network connection.[10]
- Firmware attacks can completely devastate your PC. Stay protected with HP's self-healing BIOS—HP Sure Start Gen6 automatically recovers the BIOS from malware, rootkits, or corruption.[11]
- Malware is evolving rapidly, and traditional antivirus can't always recognize new attacks. Protect your PC against never-before-seen attacks with HP Sure Sense, which uses deep learning AI to provide exceptional protection against advanced malware.[12]
- Keep productivity high and downtime low with HP BIOSphere Gen6 firmware-level automation. Your PCs have extra protection thanks to automatic updates and security checks.[13]
- Improve the quality and security of custom Windows images with HP Image Assistant, which assists ITDMs with image creation, identifies problems, and provides recommendations and remediation.
- Simplify securing your PC. HP Client Security Manager Gen6 offers a single interface to set up and manage powerful security features, including HP SpareKey and HP Password Manager.[17]

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HP EliteDesk 805 G6 Desktop Mini PC Specifications Table





*Product image may differ from actual product

Available Operating Systems	Windows 11 Pro[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 10 Pro[1] Windows 10 Home – HP recommends Windows 11 Pro for business[1] Windows 10 Home Single Language – HP recommends Windows 11 Pro for business[1] FreeDOS (Device comes with Windows 10 and a free Windows 11 upgrade or may be preloaded with Windows 11. Upgrade timing may vary by device. Features and app availability may vary by region. Certain features require specific hardware (see Windows 11 Specifications).)
Processor family[3]	AMD Ryzen™ 3 PRO processor; AMD Ryzen™ 5 PRO processor; AMD Ryzen™ 7 PRO processor
Available Processors[3,35]	AMD Ryzen™ 7 PRO 4750GE with Radeon™ Graphics (3.1 GHz base clock, up to 4.3 GHz max boost clock, 8 MB L3 cache, 8 cores); AMD Ryzen™ 5 PRO 4650GE with Radeon™ Graphics (3.5 GHz base clock, up to 4.2 GHz max boost clock, 8 MB L3 cache, 6 cores); AMD Ryzen™ 3 PRO 4350GE with Radeon™ Graphics (3.5 GHz base clock, up to 4.0 GHz max boost clock, 4 MB L3 cache, 4 cores); AMD Ryzen™ 7 PRO 4750G with Radeon™ Graphics (3.6 GHz base clock, up to 4.4 GHz max boost clock, 8 MB L3 cache, 8 cores); AMD Ryzen™ 5 PRO 4650G with Radeon™ Graphics (3.7 GHz base clock, up to 4.2 GHz max boost clock, 8 MB L3 cache, 6 cores); AMD Ryzen™ 3 PRO 4350G with Radeon™ Graphics (3.8 GHz base clock, up to 4.0 GHz max boost clock, 4 MB L3 cache, 4 cores)
Chipset	AMD PRO 565
Form factor	Mini
Maximum memory	64 GB DDR4-3200 SDRAM [4] Transfer rates up to 3200 MT/s.
Memory slots	2 SODIMM
Internal storage	500 GB up to 1 TB 7200 rpm SATA[5] up to 2 TB 5400 rpm SATA[5] up to 500 GB SATA SED Opal 2 HDD[5] up to 500 GB 7200 rpm SATA FIPS SED[5] 256 GB up to 512 GB PCIe® NVMe™ M.2 SSD[5] 128 GB up to 1 TB PCIe® NVMe™ TLC M.2 SSD[5] up to 256 GB PCIe® NVMe™ SED Opal 2 TLC M.2 SSD[5]
Available Graphics	Integrated: AMD Radeon™ Graphics Discrete: NVIDIA® GeForce® GTX 1660 Ti (6 GB GDDR6 dedicated)[9,12]
Audio	Realtek ALC3867 codec, universal audio jack with CTIA headset support, audio line-out rear ports (3.5 mm), multi-streaming capable
Expansion slots	1 M.2 2230; 2 M.2 2280 (1 M.2 slot for WLAN and 2 M.2 2280 slots for storage.)
Ports and Connectors	Front: 1 SuperSpeed USB Type-C® 10Gbps signaling rate; 2 SuperSpeed USB Type-A 10Gbps signaling rate (1 fast charging) ; Rear: 1 external antenna connector; 1 power connector; 1 RJ-45; 2 SuperSpeed USB Type-A 10Gbps signaling rate; 2 SuperSpeed USB Type-A 5Gbps signaling rate; 2 DisplayPort™ 1.4[36] ; Optional Ports: Flex IO port 2 – choose one of the following options: Dual USB 2.0 Type-A 480Mbps signaling rate, VR Ready NVIDIA GTX 1660 Ti discrete GPU (6 GB GDDR6 dedicated), SerialS-232; Flex IO port 1 – choose one of the following options: DisplayPort™ 1.4, HDMI 2.0, 1 SuperSpeed USB Type-C® 10Gbps signaling rate (100 W Power Delivery, DisplayPort™1.2), 1 SuperSpeed USB Type-C® 10Gbps (DisplayPort™ 1.2), 2 SuperSpeed USB Type-A 5Gbps signaling rate, VGA, 1 HP Fiber NIC (1Gbps), 1 HP Fiber NIC (100MBps), 2.5 GbE Ethernet NIC[6,9,10,12,13,14]
Input devices	HP Wired Desktop 320MK Mouse and Keyboard; HP Wireless Business Slim Keyboard and mouse combo; HP USB Business Slim SmartCard CCID Keyboard[17,22]; HP USB Fingerprint Mouse; HP USB optical mouse; HP Wired Desktop 320M mouse[17,22];
Communications	LAN: Realtek RTL8111FP [15]; WLAN: Realtek RTL8822CE 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 combo; Realtek RTL8822CE 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 combo with external antenna ;
Environmental	Operating temperature: 10 to 35°C; Operating humidity: 10 to 90% RH;
Software	HP Noise Cancellation Software; HP Support Assistant; Buy Office (sold separately); HP Privacy Settings; HP Desktop Support Utilities; HP QuickDrop; [18,19]
Available software	HP Smart Support[38]
Security management	DriveLock; Hood sensor; Power-on password (via BIOS); SATA port disablement (via BIOS); Setup password (via BIOS); Support for chassis padlocks and cable lock devices; Serial enable/disable (via BIOS); HP Secure Erase; HP Sure Click; HP Sure Sense; Trusted Platform Module TPM 2.0 Embedded Security Chip shipped with Windows 10. (Common Criteria EAL4+ Certified); HP Sure Recover Gen3; HP Sure Start Gen6; HP BIOsphere Gen6;[24,25,26,27,28,29,30]
Management features	HP Client Catalog (download); HP Driver Packs (download); HP System Software Manager (download); Ivanti Management Suite; HP Management Integration Kit for Microsoft System Center Configuration Management Gen 3; HP Cloud Recovery; HP Image Assistant Gen 4; AMD DASH[20,21,23,37]
Power	65 W external power adapter, up to 89% efficiency, active PFC; 90 W external power adapter, up to 89% efficiency, active PFC; 150 W external power adapter, up to 89% efficiency, active PFC; 60W external power adapter, up to 89% efficiency, active PFC[31]
Dimensions	17.7 x 17.5 x 3.4 cm
Weight	1.45 kg (Exact weight depends on configuration.)
Ecolabels	ENERGY STAR® certified; EPEAT® 2019 registered where applicable[32]
Sustainable impact specifications	Ocean-bound plastic in speaker enclosure; 75% post-consumer recycled plastic; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable[33]
Warranty	3 year (3-3-3) limited warranty and service offering includes 3 years 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 5 year Next Business Day Onsite Hardware Support for Desktops



Receive 5 years of next business day onsite HW Support from an HP-qualified technician for your computing device, if the issue cannot be solved remotely.
Product number: U7899E

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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] Optional feature that must be configured at the factory.
[4] 7 displays sold separately and only supported on 35W processor model configured with an NVIDIA GEFORCE GTX 1660 Ti graphics card at the time of purchase.
[5] HP Mini-in-One 24 Display sold separately. PC must be configured with optional USB-C® with 100W Power Delivery card to power the PC from the monitor.
[6] 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. The specifications for Wi-Fi 6 (802.11ax) are draft and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other 802.11ax devices.
[7] Sold separately or as an optional feature.
[8] Speaker enclosure component made with 5% ocean bound plastic.
[9] HP Sure Run Gen3 is available on select Windows 10 based HP Pro, Elite and Workstation PCs with select Intel® or AMD processors.
[10] HP Sure Recover Gen3 is available on select HP PCs and requires an open network connection. Not available on platforms with multiple internal storage drives. 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 PC's with Intel Wi-Fi Module.
[11] HP Sure Start Gen6 is available on select HP PCs.
[12] HP Sure Sense requires Windows 10 or Enterprise.
[13] HP BIOSphere Gen6 features may vary depending on configuration.
[17] HP Client Security Manager Gen6 requires Windows and is available on the select HP Elite and Pro PCs.

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 .
[3] 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.
[4] Actual transfer rate will vary and is determined by the system's configured processor. See processor specifications for supported memory data rate. All memory slots are customer accessible / upgradeable.
[5] For hard drives and solid state drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 36 GB (for Windows) of system disk is reserved for the system recovery software.
[6] Only one option card can be configured at a time.
[7] Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 5 (802.11 ac) is backwards compatible with prior.
[8] 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. The specifications for Wi-Fi 6 (802.11ax) are draft and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other 802.11ax devices. Only available in countries where 802.11ax is supported.
[9] Sold separately or as an optional feature.
[10] Availability depends on model.
[12] Discrete graphics only available on 35W models.
[13] USB-C® Alt mode DisplayPort™ 1.2 with 100W Power Delivery required for HP Mini-In-One 24 Display support.
[14] Discrete GPU is a NVIDIA® GeForce® GT1660Ti 6GB graphics card.
[15] Standard integrated.
[16] Intel® Wi-Fi 6 AX200 and Bluetooth® 5 Combo: not available in all regions.
[17] HP USB Business Slim Antimicrobial Keyboard and Antimicrobial USB Mouse not available in China.
[18] Absolute Persistence module: Absolute agent is shipped turned off, and will be activated when customers activate a purchased subscription. Subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. The Absolute Recovery Guarantee is a limited warranty. Certain conditions apply. For full details visit: http://www.absolute.com/company/legal/agreements/computrace-agreement. Data Delete is an optional service provided by Absolute Software. If utilized, the Recovery Guarantee is null and void. In order to use the Data Delete service, customers must first sign a Pre-Authorization Agreement and either obtain a PIN or purchase one or more RSA SecurID tokens from Absolute Software.
[19] HP Support Assistant: requires Windows and Internet access.
[20] Ivanti Management Suite: subscription required.
[21] HP Manageability Integration Kit can be downloaded from http://www8.hp.com/us/en/ads/clientmanagement/overview.html.
[22] HP USB Hardened Mouse, HP PS/2 Mouse, HP USB and PS/2 Washable Mouse: are not available in all regions.
[23] AMD DASH support with KVM (BIOS level only).
[24] HP BIOSphere Gen6 is available on select HP Pro and Elite PCs. See product specifications for details. Features may vary depending on the platform and configurations.
[25] HP Client Security Manager Gen5 requires Windows and is available on the select HP Pro and Elite PCs. See product specifications for details.
[26] HP Sure Start for AMD is available on select HP PCs with AMD processors. See product specifications for availability.
[27] HP Sure Recover Gen3: See product specifications for availability. Requires an open, wired network connection. Not available on platforms with multiple internal storage drives. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data.
[28] HP Sure Click requires Windows 10 Pro or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.
[29] HP Drive Lock is not supported on NVMe drives.
[30] Trusted Platform Module TPM 2.0 Embedded Security Chip shipped with Windows 10 (Common Criteria EAL4+ Certified)(FIPS 140-2 Level 2 Certified): Firmware TPM is version 2.0. Hardware TPM is v1.2, which is a subset of the TPM 2.0 specification version v0.89 as implemented by Intel Platform Trust Technology (PTT).
[31] 150 W external power adapter, up to 89% efficiency, active PFC: when ordered with a discrete graphics card.
[32] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.
[33] External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
[35] Max Boost clock frequency performance varies depending on hardware, software and overall system configuration.
[36] One Type A SuperSpeed USB 5Gbps with wake from keyboard.
[37] HP Cloud Recovery is available for 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.
[38] 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

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