Datasheet

HP EliteDesk 800 35W G4 Desktop Mini PC

Power-packed, ultra-small, and optimized for modern productivity

Deploy a PC built for the enterprise with 8th Gen Intel® Core™ processors.[3] The HP EliteDesk 800 Desktop Mini has performance, reliability, and expandability for today's workforce in a stylish and versatile design.



HP recommends Windows 10 Pro.

- Windows 10 Pro[1]
- HP Sure Start Gen4[2]

Streamlined for a clean workspace

- Take your footprint down to near zero with a PC that mounts behind and is powered by an HP EliteDisplay.[4,5] Place it almost anywhere with HP Desktop Mini accessories.[4] Reduce connection clutter with a single short USB-C™ cable[6] and rear I/O ports.

Meet the mighty Mini

- Create panoramic views of static and dynamic imagery on up to 7 daisy-chained displays[7] from one PC. Transfer data fast with an optional Thunderbolt™ card.[4,8] Expand even more with options like Intel® Optane™ memory[9] or an M.2 SSD PCIe Drive.[4,10]

Enhanced data and device security

- Get a highly secure PC with the self-healing protection of HP Sure Start Gen4.[2] Integrate into the most secure network infrastructures with an optional fiber network adapter.[4] Store and lock your Mini and power cord in the optional HP Lock Box.[4]

Expansion that extends your investment

- Maximize PC life as your business needs change with an optional[4] serial port for legacy devices; VGA, HDMI, Display Port™ or USB-C™ DisplayPort™ Alt-Mode for displays; USB-C™ Power[11] to draw power or Thunderbolt™[8] for fast connections.

Featuring

- Be productive in any situation with Windows 10 Pro and powerful security, collaboration, and connectivity features from HP.
- Customize your HP Elite Desktop Mini solution with a range of exclusive accessories designed to simplify display, wall, and rack mounting.
- Enhance collaboration with the optional HP UC Speaker Phone, Intel® Unite™ or the HP Conferencing Keyboard and HP UC Wireless Duo Headset that work with Skype for Business®.
- Protect your PC with the hardware-enforced self-healing protection of HP Sure Start Gen4 that automatically recovers the BIOS.
- Quickly and securely restore PCs to the latest image using a network connection with HP Sure Recover.
- Keep your critical applications and processes running even if malware tries to shut them down with the self-healing protection of HP Sure Run.
- Help protect your PC from websites, attachments, malware, ransomware, and viruses with hardware-enforced security from HP Sure Click.
- The HP Manageability Integration Kit helps speed up image creation and management of hardware, BIOS, and security through Microsoft System Center Configuration Manager
- Keep data out of reach and defend against theft, attacks, and unauthorized users with HP Client Security Manager Gen4.
- ITDMs can quickly help create, improve, and secure custom Windows images with HP Image Assistant Gen3.
- Rest easy with a PC that goes the distance and is designed to pass HP Total Test Process and MIL-STD 810G testing.

HP recommends Windows 10 Pro.

HP EliteDesk 800 35W G4 Desktop Mini PC Specifications Table





Available Operating Systems	Windows 10 Pro 64 – HP recommends Windows 10 Pro.[1] Windows 10 Pro 64 (National Academic only)[2] FreeDOS
Processor family[17]	8th Generation Intel® Core™ i7 processor (i7-8700T); Intel® Celeron® processor (G4900T is Windows 10 only); 8th Generation Intel® Core™ i5 processor (i5-8500T, i5-8600T); 8th Generation Intel® Core™ i3 processor (i3-8100T, i3-8300T); Intel® Pentium® processor (G5400T, G5500T are Windows 10 only)
Available Processors[3,6,35,36,37]	Intel® Celeron® G4900T with Intel® UHD Graphics 610 (2.9 GHz base frequency, 2 MB cache, 2 cores); Intel® Core™ i3-8100T with Intel® UHD Graphics 630 (3.1 GHz base frequency, 6 MB cache, 4 cores); Intel® Core™ i3-8300T with Intel® UHD Graphics 630 (3.2 GHz GHz base frequency, 8 MB cache, 4 cores); Intel® Core™ i5+ 8500T vPro™ processor (Core™ i5 and 16 GB Intel® Optane™ memory) with Intel® UHD Graphics 630 (2.1 GHz base frequency, up to 3.5 GHz with Intel® Turbo Boost Technology, 9 MB cache, 6 cores); Intel® Core™ i5+ 8600T vPro™ processor (Core™ i5 and 16 GB Intel® Optane™ memory) with Intel® UHD Graphics 630 (2.3 GHz base frequency, up to 3.7 GHz with Intel® Turbo Boost Technology, 9 MB cache, 6 cores); Intel® Core™ i5-8500T with Intel® UHD Graphics 630 (2.1 GHz base frequency, up to 3.5 GHz with Intel® Turbo Boost Technology, 9 MB cache, 6 cores) supports Intel® vPro™ Technology; Intel® Core™ i5-8600T with Intel® UHD Graphics 630 (2.3 GHz base frequency, up to 3.7 GHz with Intel® Turbo Boost Technology, 9 MB cache, 6 cores) supports Intel® vPro™ Technology; Intel® Core™ i7+ 8700T vPro™ processor (Core™ i7 and 16 GB Intel® Optane™ memory) with Intel® UHD Graphics 630 (2.4 GHz base frequency, up to 4 GHz with Intel® Turbo Boost Technology, 12 MB cache, 6 cores); Intel® Core™ i7-8700T with Intel® UHD Graphics 630 (2.4 GHz base frequency, up to 4 GHz with Intel® Turbo Boost Technology, 12 MB cache, 6 cores) supports Intel® vPro™ Technology; Intel® Pentium® Gold G5400T with Intel® UHD Graphics 610 (3.1 GHz base frequency, 4 MB cache, 2 cores); Intel® Pentium® Gold G5500T with Intel® UHD Graphics 630 (3.2 GHz GHz base frequency, 4 MB cache, 2 cores)
Chipset[6]	Intel® Q370 (non-vPro); Intel® Q370 (vPro)
Form factor	Mini
Maximum memory	32 GB DDR4-2666 SDRAM [4,13] Transfer rates up to 2666 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] 500 GB up to 2 TB 5400 rpm SATA SSHD [5] 256 GB up to 512 GB SATA SED Opal 2 TLC SSD [5] 256 GB up to 512 GB SATA FIPS SSD [5] 128 GB up to 512 GB PCIe® NVMe™ M.2 SSD [5] 128 GB up to 1 TB PCIe® NVMe™ TLC M.2 SSD [5] 256 GB up to 512 GB PCIe® NVMe™ SED Opal 2 TLC M.2 SSD [5] 128 GB up to 512 GB SATA SSD [5]
Available Graphics	Integrated: Intel® UHD Graphics 630; Intel® UHD Graphics 610 Discrete: AMD Radeon™ RX 560X Graphics (4 GB GDDR5 dedicated)[19]
Audio	Conexant CX20632 codec, universal audio jack, headset and headphone front ports (3.5 mm), multi-streaming capable
Expansion slots	1 M.2 2230; 2 M.2 2230/2280 (1 M.2 slot for WLAN and 2 M.2 2230/2280 slot for storage.)
Ports and Connectors	Rear: 1 external antenna connector; 1 power connector; 1 RJ-45; 2 DisplayPort™ 1.2; 2 USB 3.1 Gen 1; 2 USB 3.1 Gen 2 Front: 1 headphone; 1 headset connector; 1 USB 3.1 Gen 1 (charging); 1 USB 3.1 Gen 2; 1 USB 3.1 Type-C™ Gen 2 Optional: 1 DisplayPort™ 1.2; 1 HDMI 2.0; 1 serial; 1 USB 3.1 Type-C™ Gen 1 (DisplayPort™); 1 USB 3.1 Type-C™ Gen 1 (Power Delivery, DisplayPort™); 1 USB 3.1 Type-C™ Gen 2 (with Thunderbolt™); 1 VGA
Input devices	HP Conferencing Keyboard; HP USB Business Slim Keyboard; HP USB Keyboard; HP Wireless Business Slim Keyboard and Mouse Combo; HP Wireless Collaboration Keyboard[14]; HP USB 1000 dpi Laser Mouse; HP USB Optical Mouse; HP USB Premium Mouse[8]
Communications	LAN: Integrated Intel® I219LM GbE LOM WLAN: Intel® Dual Band Wireless-AC 9560 Wi-Fi 5 (2x2) and Bluetooth® 5 M.2 PCIe®, non-vPro™; Intel® Dual Band Wireless-AC 9560 Wi-Fi 5 (2x2) and Bluetooth® 5 M.2, vPro™ [6,7];
Drive Bays	One 2.5" HDD [34]
Environmental	Operating temperature: 10 to 35°C; Operating humidity: 10 to 90% RH
Available Software	Absolute Persistence module; HP Hotkey Support; HP Noise Cancellation Software; HP Support Assistant; Native Miracast Support; HP Wireless Wakeup; Buy Office (sold separately); HP Sure Recover; HP JumpStarts [9,18,20,22]
Security management	DriveLock; Hood sensor; HP BIOSphere; HP Client Security Suite Gen 4; HP Password Manager; HP Power On Authentication; HP Sure Run; HP Sure Start Gen4; Intel® Identity Protection Technology (Intel® IPT); Parallel enable/disable (via BIOS); Power-on password (via BIOS); RAID configurations; Removable media write/boot control; SATA port disablement (via BIOS); Serial enable/disable (via BIOS); Setup password (via BIOS); Support for chassis padlocks and cable lock devices; Trusted Platform Module TPM 2.0 Embedded Security Chip shipped with Windows 10 (Common Criteria EAL4+ Certified)(FIPS 140-2 Level 2 Certified); USB enable/disable (via BIOS)[11,25,26,28,29,30,31,32]
Management features	HP BIOS Config Utility (download); HP Client Catalog (download); HP Cloud Recovery; HP Driver Packs (download); HP Management Integration Kit for Microsoft System Center Configuration Management Gen 2; HP System Software Manager (download); Intel® vPro™ Technology; Ivanti Management Suite[10,23,24,39]
Power	150 W external power adapter, up to 89% efficiency, active PFC; 65 W external power adapter, up to 89% efficiency[16]
Dimensions	17.7 x 17.5 x 3.4 cm
Weight	0.96 kg (Exact weight depends on configuration.)
Energy efficiency compliance	ENERGY STAR® certified; EPEAT® 2019 registered where applicable[12]
Environmental specifications	Low halogen[15]

HP recommends Windows 10 Pro.

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Accessories and services (not included)

HP DM VESA Power Supply Holder Kit



Simplify cable management when mounting your HP Desktop Mini with the HP DM VESA Power Supply Holder Kit, which attaches to your HP Desktop Mini Security/Dual VESA Sleeve v2 (2JA32AA) to reduce cable clutter from the PC's power supply cable and brick.
Product number: 1RL87AA

HP B300 PC Mounting Bracket



Customize an altogether better solution with the HP B300 PC Mounting Bracket, which lets you attach your HP Workstation, HP Desktop Mini, HP Chromebox or select HP Thin Client directly behind select 2017 and 2018 HP EliteDisplays and HP Z Displays.[1]
Product number: 2DW53AA

HP Desktop Mini Security/Dual VESA Sleeve v2



Wrap your HP Desktop Mini PC in the HP Desktop Mini Security/Dual VESA Sleeve v2 to securely mount it—with or without an Expansion Module[1]—behind your display, position the solution on a wall, and lock it down with the integrated security bracket and optional HP Ultra-Slim Cable Lock.
Product number: 2JA32AA

HP Wireless Slim Business Keyboard



Enjoy easy data entry and wireless connectivity with the HP Wireless Business Slim Keyboard, designed to complement the 2015 class of HP Business PCs.
Product number: N3R88AA

HP Master Keyed Cable Lock 10mm



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.
Product number: T1A63AA

HP 3-year Next Business Day Onsite Optional Customer Self Repair Desktop/Workstation Only Hardware Service

Care Pack

Receive 3 years of next business day onsite repair from an HP-qualified technician for your computing device, if the issue cannot be solved remotely. For more information on Care Pack services, please visit www.hp.com/go/cpc.
Product number: UE379E

HP recommends Windows 10 Pro.

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Messaging 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 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com.
[2] HP Sure Start Gen4 is available on HP Elite and HP Pro 600 products equipped with 8th generation Intel® or AMD processors.
[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. Intel's numbering, branding and/or naming is not a measurement of higher performance.
[4] Sold separately or as an optional feature.
[5] Power delivery only supported on model with 35W 8th Gen Intel® Core™ processor and displays with USB-C™ power delivery. Display sold separately. Mounting requires HP B300 or B500 PC Mounting Bracket for Monitors, sold separately. See display QuickSpecs for bracket guidance.
[6] Short USB-C™ cable included with PC configured with optional USB-C™ DisplayPort™ Alt-Mode w/Power Delivery port or USB-C™ DisplayPort™ Alt-Mode only port.
[7] Displays sold separately. Only supported on model with 35W 8th Gen Intel® Core™ processor and optional discrete AMD Radeon™ graphics. 35W processor model can be configured with an AMD Radeon™ RX560 graphics or Thunderbolt™ card; it cannot be configured with both options together.
[8] Only supported on model with 35W or 65W 8th Gen Intel® Core™ processor. If Thunderbolt™ card is configured, no other optional I/O may be selected.
[9] Intel® Optane™ memory system acceleration does not replace or increase the DRAM in your system and requires configuration with an optional Intel® Core™ i(5 or 7)+ processor.
[10] The HP EliteDesk 800 G4 Desktop Mini supports two M.2 SSD drives. On the model with 35W 8th Gen Intel® Core™ processor, only one M.2 drive can be populated if an optional discrete graphics card is installed.
[11] Only supported on model with 35W 8th Gen Intel® Core™ processor.
[12] HP Sure Recover is available on HP Elite PCs with 8th generation Intel® or AMD processors and requires an open, wired network connection. Not available on platforms with multiple internal storage drives or Intel® Optane™. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data.

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 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com/.
[2] Some devices for academic use will automatically be updated to Windows 10 Pro Education with the Windows 10 Anniversary Update. Features vary; see https://aka.ms/ProEducation for Windows 10 Pro Education feature information.
[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. Intel's numbering, branding and/or naming is not a measurement of higher performance.
[4] For systems configured with more than 3 GB of memory and a 32-bit operating system, all memory may not be available due to system resource requirements. Addressing memory above 4 GB requires a 64-bit operating system. Memory modules support data transfer rates up to 2666 MT/s; actual data rate 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 storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 10) of disk is reserved for system recovery software.
[6] For full Intel® vPro™ functionality, Windows, a vPro supported processor, vPro enabled chipset, vPro enabled wired LAN card and discrete TPM 2.0 are required. See http://intel.com/vpro
[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 802.11 specs.
[8] Antimicrobial USB Mouse and HP USB Hardened Mouse are not available in all regions.
[9] Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.
[10] HP Driver Packs: Not preinstalled, however available for download at http://www.hp.com/go/clientmanagement
[11] HP BIOSphere Gen4: Requires Intel® or AMD 8th Gen processors. Features may vary depending on the platform and configurations.
[12] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.
[13] All memory slots are customer accessible / upgradeable.
[14] HP USB and PS/2 Washable Keyboard: PS/2 port not available on EliteOne 800 G4 AiOs.
[15] External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
[16] 150 W external power adapter, up to 89% efficiency, active PFC: when ordered with an AMD Radeon RX 560 with 4GB GDDR discrete graphics card.
[17] Your product does not support Windows 8 or Windows 7, In accordance with Microsoft's support policy, HP does not support the Windows 8 or Windows 7 operating system on products configured with Intel® 8th generation and forward processors or provide any Windows 8 or Windows 7 drivers on http://www.support.hp.com
[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] As of 2019, AMD Radeon™ RX 560 is renamed to AMD Radeon™ RX 560X.
[20] HP Support Assistant: Requires Windows and Internet access.
[22] HP Sure Recover: is available on HP Elite PCs with 8th generation Intel® or AMD processors and requires an open, wired network connection. Not available on platforms with multiple internal storage drives, Intel® Optane™. You must back up important files, data, photos, videos, etc. before use to avoid loss of data.
[23] HP Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement.
[24] Ivanti Management Suite: Subscription required.
[25] HP Client Security Suite Gen 4: Requires Windows and Intel® or AMD 8th generation processors.
[26] HP Password Manager: Requires Internet Explorer or Chrome or FireFox. Some websites and applications may not be supported. User may need to enable or allow the add-on / extension in the internet browser.
[28] HP Sure Start Gen4: is available on HP Elite and HP Pro 600 products equipped with 8th generation Intel® or AMD processors.
[29] 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).
[30] RAID configuration: Is optional and does require a second hard drive.
[31] HP Sure Run: Is available on HP Elite products equipped with 8th generation Intel® or AMD processors.
[32] Intel® Identity Protection Technology (Intel® IPT): Models configured with Intel® Core™ processors have the ability to utilize advanced security protection for online transactions. Intel® Identity Protection Technology (Intel® IPT), used in conjunction with participating web sites, provides double identity authentication by adding a hardware component in addition to the usual user name and password. Intel® Identity Protection Technology (Intel® IPT) is initialized through an HP Client Security module.
[34] Sold separately or as an optional feature.
[35] 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.
[36] Intel® Optane™ memory system acceleration does not replace or increase the DRAM in your system and requires configuration with an optional Intel® Core™ i(5 or 7)+ processor.
[37] Some functionality of vPro, such as Intel Active Management Technology and Intel Virtualization technology, requires additional 3rd party software in order to run. Availability of future "virtual appliances" applications for Intel vPro technology is dependant on 3rd party software providers. Compatibility with future "virtual appliances" is yet to be determined.
[38] HP Drive Lock is not supported on NVMe drives.
[39] 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.

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