

HP EliteDesk 800 G1 and EliteOne 800 G1 family data sheet



HP EliteDesk 800 G1 and EliteOne 800 G1 Business PCs

HP recommends Windows.



For more information visit
hp.com

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Business demands confidence. Here's yours.

Designed to perform, impress, and protect—this sleek HP EliteDesk helps you power through to business success while allowing customized deployment.

HP EliteDesk 800 G1 Business PCs

The solution for diverse business demands

The new way to do business. Impress and perform like never before—and meet a variety of business demands—with highly customizable tools, new features and a stylish new design.

Easily share your internet connection with your devices and help colleagues get online fast with HP Wireless Hotspot.¹

Share presentations, videos, and other content—no cables needed. WiDi Intel® Wireless Display lets you connect your EliteDesk to your projectors and displays wirelessly.²

The new, slim removable hard drive lets you secure your most important data when you're away from the office.³ The optional PCI port helps ensure broad compatibility with existing technology investments.⁴

Fast-track your performance

Multitask and move your business forward with the latest Intel processors. Quickly open new files, switch applications, and enjoy less wait time with solid-state drives and solid-state hybrid drive options.⁵

Power through your day with speed and performance. Get the latest in processing technology with your choice of 4th generation Intel® Core™ processors⁶ with vPro⁷ support.

Watch your inbox while working on other tasks. There's plenty of screen room for all of your work with support for multiple displays.⁸

Intel® Smart Response Technology (SRT),⁹ a disk cache solution, delivers similar performance associated with Solid State Drives while retaining the data storage capacity of today's large Hard Disk Drives.

Make the most of virtual conferencing. Bring work to life through immersive surround sound with deep, rich bass and crystal clear dialog using DTS Studio Sound software.^{10,11}

Heavy security, exceptionally managed

Keep it secure, keep it simple. IT efficiency reigns supreme when it's backed by a full portfolio of HP Client Security¹² and Intel vPro⁷ management features.

No more remembering passwords. HP Password Manager¹³ lets you quickly log in to various online accounts. Now your passwords can be longer and more secure.

Save your data. RAID configurations utilize dual storage drives to automatically back up and help protect your sensitive data.^{14,15}

Stay up and running. HP BIOS Protection¹⁶ offers enhanced protection against virus attacks and other security threats, and is designed to help prevent data loss and reduce downtime.

Reliability for the long haul

Count on the support you need to get long-term value out of your investment. This work-ready PC is designed for a long lifecycle, with platform stability up to 30 months.

Rest assured. Talk to an agent any time and get priority service at any HP repair center with HP Elite Premium Support¹⁷, at no additional charge.

HP EliteDesk PCs are rigorously tested to help ensure reliability. During the HP Total Test Process, our PCs experience 115,000 hours of performance trials to help get you through your business day.



Ultra-slim desktop



Small form factor



Tower

Impressive performance that fits right in.

Designed to leave a professional impression no matter the environment, this enterprise-class all-in-one business PC elevates your performance.

HP EliteOne 800 G1 All-in-One Business PC

Stylish efficiency from edge to edge

Turn the front room into the showroom, and optimize the space of your back room as well. With slim, sleek glass across a 23-inch diagonal screen, this all-in-one PC impresses virtually anywhere.

Stay organized and free up more room for work. This space-saving all-in-one has several stand options, and easily mounts on the wall.¹⁸

Fast-track your performance

Quickly open new files and switch applications with less wait time thanks to solid-state drives and solid-state hybrid drive options.⁵

Get the latest processing technology with a choice of 4th generation Intel® Core™ processors.⁶

Watch your inbox while working on other tasks. Connect up to four displays, using the optional discrete graphics card.⁸

Intel® Smart Response Technology (SRT),⁹ a disk cache solution, delivers similar performance associated with Solid State Drives while retaining the data storage capacity of today's large Hard Disk Drives.

Make the most of virtual conferencing. Bring work to life through rich sound and video using DTS Studio Sound and an optional HD webcam.¹⁹

The hub of your mobile world

Speed up charging with a fast charging USB port. The nearly 2.8x stronger charging current helps compatible devices charge faster than standard USB 3.0 ports.²²

Easily share your internet connection with your devices and help colleagues get online fast with HP Wireless Hotspot.¹

Maintain tighter control over device security. Use the optional integrated near-field communications (NFC) capabilities to support custom applications such as advanced user authentication.²³

Heavy security, efficiently managed, reliability for the long haul

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HP EliteDesk 800 G1 and EliteOne 800 G1 Family

Series	EliteDesk	EliteDesk	EliteDesk	EliteOne
Model	Ultra-slim Desktop	Small Form Factor	Tower	All-in-One
Operating systems	Pre-installed (availability varies by region): Windows 8 Pro (64-bit)* Windows 8 (64-bit)* Windows 7 Ultimate (64-bit)** Windows 7 Professional (32-bit)** Windows 7 Professional (64-bit)** Windows 7 Professional (32-bit) (available through downgrade rights from Windows 8 Pro)*** Windows 7 Professional (64-bit) (available through downgrade rights from Windows 8 Pro)*** Windows 7 Home Premium (32-bit)** Windows 7 Home Premium (64-bit)** Windows 7 Home Basic (32-bit)**, ‡ FreeDOS 2.0 Novell SUSE Linux Enterprise Desktop 11			
Processors²	Intel® 4th Generation Core™ i5, i7 Processors			
Chipset	Intel® 8 Series (Q87)	Intel® 8 Series (Q87)	Intel® 8 Series (Q87)	Intel® 8 Series (Q87)
Display	N/A	N/A	N/A	23" diagonal IPS widescreen WLED; projected capacitive touch panel optional
Webcam¹¹ and microphone	Webcam sold separately	Webcam sold separately	Webcam sold separately	Integrated 2 MP webcam and dual microphone array ²⁰
Memory²⁴	1600 MHz DDR3 SDRAM; (2) SODIMM slots enabling up to 16GB, dual channel memory support ²⁵	1600 MHz DDR3 SDRAM; (4) DIMM slots enabling up to 32GB, dual channel memory support ²⁵	1600 MHz DDR3 SDRAM; (4) DIMM slots enabling up to 32GB, dual channel memory support ²⁵	1600 MHz DDR3 SDRAM; (2) SODIMM slots enabling up to 16GB, dual channel memory support ²⁵
Internal storage²⁶	Up to 500GB SATA hard drive; up to 500GB self-encrypting solid state drive; up to 160GB solid state drive			Up to 1TB solid state hybrid drive ⁵ ; up to 500GB SATA hard drive; 500GB SATA self-encrypting drive; 256GB self-encrypting solid state drive; up to 160GB solid state drive
Removable storage	Slim DVD-ROM drive ²⁷ , Slim SuperMulti DVD drive ²⁷ , Slim BDXL Blu-ray Writer drive ^{27, 28}			SD Media Card Reader, Slim DVD-ROM drive ²⁷ , Slim SuperMulti DVD drive ²⁷ , Slim BDXL Blu-ray Writer drive ^{27, 28}
Expansion slots	(1) MiniPCIe (1) MXM 3.0 Type A – 35W (1) mSATA	(2) PCI Express x1 (v2.0) (1) PCI Express x 16 (v2.0 – wired as x4) (1) PCI Express x16 (v3.0)	(2) PCI Express x1 (v2.0) (1) PCI Express x 16 (v2.0 – wired as x4) (1) PCI Express x16 (v3.0) (1) Optional PCI (v2.3)	(1) MiniPCIe half-length (used by wireless LAN module) (1) MXM 3.0 Type A – 35W (1) mSATA
Graphics	Integrated Intel® HD Graphics; Discrete AMD® Radeon HD 7650A 2GB DDR3 MXM graphics optional	Integrated Intel® HD Graphics; Discrete AMD Radeon HD 8350, 8490 ³⁰ , NVIDIA NVS 310, 315, graphics optional	Integrated Intel® HD Graphics; Discrete AMD Radeon HD 8350, 8490 ³⁰ , NVIDIA NVS 310, 315, or NVIDIA GeForce GT630 graphics optional	Integrated Intel® HD Graphics; Discrete AMD® Radeon HD 7650A 2GB DDR3 MXM graphics optional
Audio	DTS Studio Sound™, Realtek ALC 221 Audio (all ports stereo), microphone and headphone jacks, stereo audio line out and integrated speaker			DTS Studio Sound™, Realtek ALC 3228 Audio – 16 & 24-bit PCM, microphone and headphone jacks, stereo audio line out and high performance integrated stereo speakers
Communications	Integrated Intel® I217LM Gigabit Network Connection; optional wireless LAN card available			Integrated Intel® I217LM Gigabit Network Connection; optional wireless LAN cards and Near Field Communication (NFC) available ²⁴
Ports and connectors	Front: (2) USB 2.0 ports, (2) USB 3.0 ports, microphone, headphone, Rear: (4) USB 2.0 ports, (2) USB 3.0 ports, stereo audio out, line in, RJ-45 Ethernet, PS/2 mouse and keyboard, VGA, (2) DisplayPort with multi-stream ⁴ , power connector	Front: (2) USB 2.0 ports, (2) USB 3.0 ports, microphone, headphone, Rear: (4) USB 2.0 ports, (2) USB 3.0 ports, stereo audio out, line in, RJ-45 Ethernet, PS/2 mouse and keyboard, VGA, (2) DisplayPort with multi-stream ⁴ , power connector, RS-232 serial port	Front: (2) USB 2.0 ports, (2) USB 3.0 ports, microphone, headphone, Rear: (4) USB 2.0 ports, (2) USB 3.0 ports, stereo audio out, line in, RJ-45 Ethernet, PS/2 mouse and keyboard, VGA, (2) DisplayPort with multi-stream ⁴ , power connector, RS-232 serial port	Side: (2) USB 3.0 ports including 1 fast charging port, microphone, headphone, SD media card reader (optional) Rear: (4) USB 3.0 ports, stereo audio out, RJ-45 Ethernet, PS/2 mouse and keyboard, DisplayPort with multi-stream ⁴ , power connector, RS-232 serial port
Input devices	PS/2 keyboard, USB keyboard, Wireless Keyboard and Mouse, USB CCID SmartCard keyboard, USB PS/2 Washable keyboard, PS/2 mouse, USB Optical mouse, USB 1000dpi Laser mouse, USB PS/2 Washable Scroll mouse			
Power	External Power Adapter 135W (w/integrated graphics) 180W (w/discrete graphics) Active PFC, up to 87% efficient	Internal 240W Power Supply, Active PFC, up to 94% efficient ³¹	Internal 320W Power Supply, Active PFC, up to 94% efficient ³¹	Internal 200W Power Supply, Active PFC, up to 93% efficient
Software (Windows OS only)	HP business PCs are shipped with a variety of software titles including HP Client Security ¹ , CyberLink Media Suite, HP ePrint Driver ²⁹ , HP PageLift, HP Support Assistant ¹² , PDF Complete, and Skype ¹¹ . Buy Office.			
Warranty and services	3/3/3-year limited warranty, including telephone support 24/7; terms and conditions may vary by country and region; other HP Care Pack Services available. ³²			

Please see the product QuickSpecs document for additional detailed specifications and information. See www.hp.com/go/businessdesktopPCs for more information about HP Business Desktop PCs.

*Not all features are available in all editions of Windows 8. Systems may require upgraded and/or separately purchased hardware, drivers and/or software to take full advantage of Windows 8 functionality. See <http://www.microsoft.com>.

**Not all features are available in all editions of Windows 7. This system may require upgraded and/or separately purchased hardware to take full advantage of Windows® 7 functionality. See <http://www.microsoft.com/windows/windows-7/> for details.

***This system is preinstalled with Windows 7 Pro software and also comes with a license and media for Windows 8 Pro 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. Optional accessories sold separately.

† Planned to be available August 2013

1. The wireless hotspot application requires an active internet connection, a separately purchased data plan and separately purchased wireless NIC card. While HP wireless hotspot is active, on-device applications will continue to work and will use the same data plan as the wireless hotspot. Wireless hotspot data usage may incur additional charges. Check with your internet service provider for plan details. Requires Windows.
2. Integrated Intel Wi-Di feature is available on select configurations only and requires a separately purchased wireless NIC card, and a separately purchased projector, TV or computer monitor with an integrated or external Wi-Di receiver. External Wi-Di receivers connect to the projector, tv or computer monitor via a standard HDMI cable, also sold separately.
3. Removable hard drive planned to be available August 2013
4. Optional PCI slot not available on HP EliteDesk SFF or USDT.
5. Solid State Hybrid Drives planned to be available October 2013.
6. 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. 64-bit computing on Intel® architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers, and applications enabled for Intel® 64 architecture. Processors will not operate (including 32-bit operation) without an Intel® 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. Intel's numbering is not a measurement of higher performance.
7. Some functionality of this technology, 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 dependent on 3rd party software providers. Microsoft Windows required.
8. Support for external displays as a standard feature through integrated processor-based graphics is dependent upon the particular PC platform/form factor; the actual number of displays supported will vary. An optional discrete graphics solution will be required for the support of additional displays. Additional cables required. DisplayPort with multi-stream through integrated graphics is planned to be available in fall 2013 as an integrated feature and as a web update in late summer 2013.
9. Requires a compatible Intel® Core processor, enabled chipset, Intel® Rapid Storage technology software and non-SED HDD + optional mSATA SSD flash cache module. Intel® Smart Response Technology is only available on select 2013 HP systems. Depending on system configuration, results may vary. mSATA SSD is planned to be available in August 2013.
10. Internet access required.
11. Webcam required for video conferencing.
12. Requires Windows.
13. Requires Internet Explorer (IE8 or IE9). Not all websites and applications may be supported.
14. RAID configuration is optional and does require a second hard drive
15. Sold separately or as an optional feature.
16. HP Tools partition with an HP BIOS required for automatic recovery. Business Desktops do not support this HP BIOS Protection auto-recovery feature.
17. Elite Support varies by region.
18. Wall mounting hardware sold separately.
19. Webcam and internet service required for video conferencing, and not included. The webcam option for Touch is planned to be available August 2013.
20. Not all features are available in all editions of Windows 8. Systems may require upgraded and/or separately purchased hardware, drivers and/or software to take full advantage of Windows 8 functionality. See <http://www.microsoft.com>.
21. Display only rotates with height adjustable and reclining stand or by mounting in portrait position using the VESA wall mount.
22. 2.8x compared to USB 3.0. 5x compared to USB 2.0. Charging times will vary by device depending on compatibility with fast charging port.
23. Near Field Communication (NFC) is planned to be available in August 2013. NFC is an optional feature. NFC authentication software solution is sold separately.
24. Maximum memory capacities assume Windows 64-bit operating systems or Linux. With Windows 32-bit operating systems, memory above 3 GB may not all be available due to system resource requirements.
25. Dual Channel is only supported when the system is configured with DDR3 symmetric memory.
26. For hard drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 16GB (for Windows 7) and up to 36GB (for Windows 8) of system disk is reserved for system recovery software.
27. Duplication of copyrighted material is strictly prohibited. Actual speeds may vary. Double Layer media compatibility will widely vary with some home DVD players and DVD-ROM drives. Note that DVD-RAM cannot read or write to 2.6GB Single Sided/5.2 Double Sided-Version 1.0 Media.
28. Blu-Ray drive XL contains new technologies; certain disc, digital connection, compatibility and performance issues may arise, and do not constitute defects in the product. Flawless playback on all systems is not guaranteed. In order for some Blu-ray titles to play, they may require an HDCP path and HDCP display. HD-DVD movies cannot be played on this BDXL Drive.
29. Requires an Internet connection to HP web-enabled printer and HP ePrint account registration (for a list of eligible printers, supported documents and image types and other HP ePrint details, see www.hpconnected.com). Mobile devices require Internet connection and email capability. May require wireless access point. Separately purchased data plans or usage fees may apply. Print times and connection speeds may vary. Some HP LaserJet printers may require firmware upgrades.
30. AMD Radeon HD 8490 planned to be available in August 2013.
31. 94% efficient power supply is standard on platinum PC configurations; not available in all regions.
32. Service levels and response times for HP Care Pack Services may vary depending on your geographic location. Service starts from date of hardware purchase. Restrictions and limitations apply. See www.hp.com/go/cpc for details.

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