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HP EliteDesk 800 G3 Desktop Mini Business PC (35 W/65 W) Specifications

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Figure 1: HP EliteDesk 800 G3 Desktop Mini Business PC







Specification	Description
Intel Core i7-7700 processor (65 W model only)	Up to 4.2 GHz maximum Turbo Frequency (3.6 GHz base frequency) 8 MB cache, 4 cores, 8 threads Intel HD Graphics 630 DDR4 memory up to 2400 MT/s data rate Supports Intel vPro Technology and Intel Stable Image Platform Program (SIPP)
Intel Core i7-7700T processor (35 W model only)	Up to 3.8 GHz maximum Turbo Frequency (2.9 GHz base frequency) 8 MB cache, 4 cores, 8 threads Intel HD Graphics 630 DDR4 memory up to 2400 MT/s data rate Supports Intel vPro Technology and Intel Stable Image Platform Program (SIPP)
Intel Core i5-7600 processor (65 W model only)	Up to 4.1 GHz maximum Turbo Frequency (3.5 GHz base frequency) 6 MB cache, 4 cores, 4 threads Intel HD Graphics 630 DDR4 memory up to 2400 MT/s data rate Supports Intel vPro Technology and Intel Stable Image Platform Program (SIPP)
Intel Core i5-7600T processor (35 W model only)	Up to 3.7 GHz maximum Turbo Frequency (2.8 GHz base frequency) 6 MB cache, 4 cores, 4 threads Intel HD Graphics 630 DDR4 memory up to 2400 MT/s data rate Supports Intel vPro Technology and Intel Stable Image Platform

Specification	Description
	Program (SIPP)
Intel Core i5-7500 processor (65 W model only)	65 W Up to 3.8 GHz maximum Turbo Frequency (3.4 GHz base frequency) 6 MB cache, 4 cores, 4 threads Intel HD Graphics 630 DDR4 memory up to 2400 MT/s data rate Supports Intel vPro Technology and Intel Stable Image Platform Program (SIPP)
Intel Core i5-7500T processor (35 W model only)	Up to 3.3 GHz maximum Turbo Frequency (2.7 GHz base frequency) 6 MB cache, 4 cores, 4 threads Intel HD Graphics 630 DDR4 memory up to 2400 MT/s data rate Supports Intel vPro Technology and Intel Stable Image Platform Program (SIPP)
Intel Core i3-7320 processor (65 W model only)	51 W 4.1 GHz base frequency 4 MB cache, 2 cores, 4 threads Intel HD Graphics 630 DDR4 memory up to 2400 MT/s data rate
Intel Core i3-7300 processor (65 W model only)	51 W 4.0 GHz base frequency 4 MB cache, 2 cores, 4 threads Intel HD Graphics 630 DDR4 memory up to 2400 MT/s data rate

Specification	Description
Intel Core i3-7300T processor (35 W model only)	35 W 3.5 GHz base frequency 3 MB cache, 2 cores, 4 threads Intel HD Graphics 630 DDR4 memory up to 2400 MT/s data rate
Intel Core i3-7100 processor (65 W model only)	51 W 3.9 GHz base frequency 3 MB cache, 2 cores, 4 threads Intel HD Graphics 630 DDR4 memory up to 2400 MT/s data rate
Intel Core i3-7100T processor (35 W model only)	35 W 3.4 GHz base frequency 3 MB cache, 2 cores, 4 threads Intel HD Graphics 630 DDR4 memory up to 2400 MT/s data rate
Intel Core i7-6700 processor (65 W model only)	65 W Up to 4.0 GHz maximum Turbo Frequency (3.4 GHz base frequency) 8 MB cache, 4 cores, 8 threads Intel HD Graphics 530 DDR4 memory up to 2133 MT/s data rate Supports Intel vPro Technology and Intel Stable Image Platform Program (SIPP)
Intel Core i7-6700T processor (35 W model only)	35 W Up to 3.6 GHz maximum Turbo Frequency (2.8 GHz base frequency)

Specification	Description
	8 MB cache, 4 cores, 8 threads Intel HD Graphics 530 DDR4 memory up to 2133 MT/s data rate Supports Intel vPro Technology and Intel Stable Image Platform Program (SIPP)
Intel Core i5-6600 processor (65 W model only)	Up to 3.9 GHz maximum Turbo Frequency (3.3 GHz base frequency) 6 MB cache, 4 cores, 4 threads Intel HD Graphics 530 DDR4 memory up to 2133 MT/s data rate Supports Intel vPro Technology and Intel Stable Image Platform Program (SIPP)
Intel Core i5-6600T processor (35 W model only)	35 W Up to 3.5 GHz maximum Turbo Frequency (2.7 GHz base frequency) 6 MB cache, 4 cores, 4 threads Intel HD Graphics 530 DDR4 memory up to 2133 MT/s data rate Supports Intel vPro Technology and Intel Stable Image Platform Program (SIPP)
Intel Core i5-6500 processor (65 W model only)	65 W Up to 3.6 GHz maximum Turbo Frequency (3.2 GHz base frequency) 6 MB cache, 4 cores, 4 threads Intel HD Graphics 530 DDR4 memory up to 2133 MT/s data rate Supports Intel vPro Technology and Intel Stable Image Platform Program (SIPP)



Specification	Description
Intel Core i5-6500T processor (35 W model only)	Up to 3.1 GHz maximum Turbo Frequency (2.5 GHz base frequency) 6 MB cache, 4 cores, 4 threads Intel HD Graphics 530 DDR4 memory up to 2133 MT/s data rate Supports Intel vPro Technology and Intel Stable Image Platform Program (SIPP)
Intel Core i3-6100 processor (65 W model only)	51 W 3.7 GHz base frequency 3 MB cache, 2 cores, 4 threads Intel HD Graphics 530 DDR4 memory up to 2133 MT/s data rate
Intel Core i3-6100T processor (35 W model only)	35 W 3.2 GHz base frequency 3 MB cache, 2 cores, 4 threads Intel HD Graphics 530 DDR4 memory up to 2133 MT/s data rate
Intel Pentium G4560 processor (65 W model only)	3.5 GHz base frequency 3 MB cache, 2 cores, 4 threads Intel HD Graphics 610 DDR4 memory up to 2400 MT/s data rate
Intel Pentium G4560T processor (35 W model only)	35 W 2.9 GHz base frequency

Specification	Description
	3 MB cache, 2 cores, 4 threads Intel HD Graphics 610 DDR4 memory up to 2400 MT/s data rate
Intel Pentium G4600 processor (65 W model only)	51 W 3.6 GHz base frequency 3 MB cache, 2 cores, 4 threads Intel HD Graphics 630 DDR4 memory up to 2400 MT/s data rate
Intel Pentium G4600T processor (35 W model only)	35 W 3.0 GHz base frequency 3 MB cache, 2 cores, 4 threads Intel HD Graphics 630 DDR4 memory up to 2400 MT/s data rate
Intel Pentium G4620 processor (65 W model only)	51 W 3.7 GHz base frequency 3 MB cache, 2 cores, 4 threads Intel HD Graphics 630 DDR4 memory up to 2400 MT/s data rate
Intel Celeron G3930 processor (65 W model only)	51 W 2.9 GHz base frequency 2 MB cache, 2 cores, 2 threads Intel HD Graphics 610 DDR4 memory up to 2133 MT/s data rate



Specification	Description
Intel Celeron G3930T processor (35 W model only)	2.7 GHz base frequency 2 MB cache, 2 cores, 2 threads Intel HD Graphics 610 DDR4 memory up to 2133 MT/s data rate
Intel Celeron G3950 processor (65W model only)	51 W 3.0 GHz base frequency 2 MB cache, 2 cores, 2 threads Intel HD Graphics 610 DDR4 memory up to 2133 MT/s data rate
Chipset	Intel Q270

NOTE: In accordance with Microsoft support policy, this product does not support Windows 8 or Windows 7. HP does not support the Windows 8 or Windows 7 operating system on products configured with Intel and AMD 7th generation or later processors, or provide any Windows 8 or Windows 7 drivers. Multicore is designed to improve performance of certain software products. Not all customers or software applications necessarily benefit from use of this technology. 64-bit computing system required. Performance and clock frequency vary depending on application workload and hardware and software configurations. Intel numbering is not a measurement of higher performance.

Memory

Specification	Description	
DDR4-2400	Maximum: 32 GB Number of slots: (2) SODIMM (both slots are customer accessible/upgradeable) Up to 2400 MT/s	
Configurations	2048 MB total system memory (2048 MB x 1) (AMO only) 4096 MB total system memory (4096 MB x 1)	

Specification	Description
	8192 MB total system memory (8192 MB x 1)
	16384 MB total system memory (16384 MB x 1)

NOTE: Addressing memory above 4 GB requires a 64-bit operating system. With Windows 32-bit operating systems, the amount of usable memory is dependent upon the configuration, therefore above 3 GB, all memory might not be available due to system resource requirements. Memory modules support data transfer rates up to 2400 MT/s; actual data rate is determined by the system configured processor. See processor specifications for supported memory data rate.

Storage

Specification	Description
SATA drives	500 GB, 7.2 K rpm, SATA 6.0 Gb/s, 6.35 cm (2.5 in) 1 TB, 7.2 K rpm, SATA 6.0 Gb/s, 6.35 cm (2.5 in)
Self-Encrypting drives (SED HDD)	500 GB, 5.4 K rpm, SATA 6.0 Gb/s, 6.35 cm (2.5 in), Federal Information Processing Standard (FIPS) SED 500 GB, 7.2 K rpm, SATA 2.0 (3.0 Gb/s), 6.35 cm (2.5 in), SED Opal 2
Self-Encrypting drives (SED SSD)	256 GB, SATA 6.0 Gb/s, 6.35 cm (2.5 in), SED Opal 2 512 GB, SATA 6.0 Gb/s, 6.35 cm (2.5 in), SED Opal 2 256 GB, SATA 6.0 Gb/s, 6.35 cm (2.5 in), Federal Information Processing Standard (FIPS) SED 512 GB, SATA 6.0 Gb/s, 6.35 cm (2.5 in), Federal Information Processing Standard (FIPS) SED
Solid State Hybrid drives (SSHD)	500 GB, 5.4 K rpm, SATA 6.0 Gb/s, 6.35 cm (2.5 in), 8 GB Hybrid 1 TB, 5.4 K rpm, SATA 6.0 Gb/s, 6.35 cm (2.5 in), 8 GB Hybrid



Specification	Description
PCIe NMVe TLC SSD drives	256 GB, PCI-E Gen3 x 4, Turbo Drive G2 TLC SSD 512 GB, PCI-E Gen3 x 4, Turbo Drive G2 TLC SSD 1 TB, PCI-E Gen3 x 4, Turbo Drive G2 TLC SSD
2.5 in SATA SSD drives	SATA 128 GB, SATA 3.2 (6.0 Gb/s), 6.35 cm (2.5 in) SATA 256 GB, SATA 3.2 (6.0 Gb/s), 6.35 cm (2.5 in)

NOTE: For hard drives and solid state drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB of system disk is reserved for the system recovery software. Desktop Mini 2nd HDD only available when 1st storage drive is M2 drive.

Networking/communications

Specification	Description
Ethernet (RJ-45) (integrated)	Intel I219LM Gigabit Network Connection LOM (standard) Intel Ethernet I210-T1 PCIe x1 Gb Network Interface Card (optional)
Wireless LAN (optional)	Intel 7265 802.11ac 2x2 Wi-Fi with Bluetooth M.2 Combo Card non-VPro Intel 8265 802.11ac 2x2 Wi-Fi with Bluetooth M.2 Combo Card non-Vpro (802.11ac Wave 2 supported) Intel 3168 802.11ac 2x2 Wi-Fi with Bluetooth M.2 Combo Card non-Vpro Intel 8265 802.11ac 2x2 Wi-Fi with Bluetooth M.2 Combo Card Vpro (802.11ac Wave 2 supported)

NOTE: Wireless access point and Internet service required and not included. Availability of public wireless access points limited.

Audio/multimedia

Specification	Description



Specification	Description
Туре	Conexant CX20632 Audio Codec (all ports are stereo)
Audio in/out ports	Headset and headphone front ports ¹ , 3.5 mm (.14 in)
Internal speaker (standard)	Yes 2.0 W amplifier
Multi-streaming capable ¹	Yes

NOTE: ¹The front headset connector supports CTIA style headsets and is re-taskable as a Line-in, Microphone-in or Headphone-out port. Rear audio input ports are re-taskable as a Line-in or Microphone-in port. External speakers must be powered externally. Multi-streaming can be enabled in the audio control panel to allow independent audio streams to be sent to/from the front and rear.

Power supply

Specification	Description
Standard efficiency	65 W EPS; 89% average efficiency at 115 V & 230 Vac
Rated input current with energy efficient ¹ power supply	65 W/1.6 A 90 W/1.4 A 120 W/2.2 A
Operating voltage range	90 - 264 VAC
Rated voltage range	100 - 240 VAC
Rated line frequency	50 - 60 Hz

Specification	Description
Operating line frequency	47 - 63 Hz
DC output	+19.5 V
Current leakage (NFPA 99: 2102)	Less than 500 μA of leakage current at 120 Vac with the ground wire disconnected, as required for Non-patient Electrical Appliances and Equipment used in a patient care facility or that contact patients in normal use. Per section 10.3.5.1. Less than 100 μA of leakage current at 120 Vac with the ground wire intact with normal polarity, as required for Non-patient Electrical Appliances and Equipment used in a patient care facility or that contact patients in normal use. Per section 10.3.5.1.
Power cord	1.83 m (6.0 ft)

NOTE: ¹High efficiency power supply is a requirement for ENERGY STAR certification in conjunction with a select range of processors and modules.

Keyboards/pointing devices

Specification	Description	
Keyboards	HP Conferencing keyboard HP USB PS/2 washable keyboard HP USB Business Slim keyboard HP USB Business Slim CCID SmartCard keyboard HP USB Business Slim keyboard (China only) HP USB Business Slim grey keyboard	
Mice	HP USB 1000 dpi laser mouse HP Grey V2 mouse HP USB mouse HP USB PS/2 washable mouse ¹	

Specification	Description
	HP USB mouse (China only) HP USB hardened mouse
Combos	HP Wireless Business Slim keyboard and mouse HP USB keyboard and mouse (China only)
Mouse pad	HP mouse pad

NOTE: ¹Optional HP internal serial/PS/2 ports are required to support this device.

Input/Output devices

Specification	Description
Optional ports (only one can be chosen)	HP DisplayPort port HP Type-C port HP HDMI port HP VGA port HP 800 G3 Mini dust filter NOTE: Not available with 800 G3 Desktop Mini 65W

Desktop Mini accessories

Specification	Description	
Optional	HP Desktop Mini DVD-Writer ODD expansion module HP Desktop Mini 500 GB HDD/I/O expansion module HP Desktop Mini I/O expansion module HP Desktop Mini Security/Dual VESA sleeve HP DM VESA power supply holder	

Specification	Description
	HP DM VESA quick deploy adhesive
	HP Desktop Mini vertical chassis stand
	HP Desktop Mini port cover kit
	HP Quick Release bracket
	HP DM Antenna/Wiring WLAN kit

Adapters and cables

Specification	Description
Adapters (optional)	HP DisplayPort to DVI-D adapter HP DisplayPort to HDMI 4K adapter HP DisplayPort to VGA adapter HP USB to Serial port adapter
Cables (optional)	HP DisplayPort cable HP DVI cable HP 700 mm DisplayPort cable kit

Graphics

Specification	Description	
Intel HD Graphics (integrated)	Intel HD Graphics 530 Intel Core i7 processor Intel Core i5 processor Intel Core i3 processor Intel HD Graphics 630	
	Intel Core i7 processor Intel Core i5 processor	

Specification	Description
	Intel Core i3 processor
	Intel Pentium G4620 processor
	Intel Pentium G4600 processor
	Intel Pentium G4600T processor
	Intel HD Graphics 610
	Intel Pentium G4560 processor
	Intel Pentium G4560T processor
	Intel Celeron G3950 processor
	Intel Celeron G3930 processor
	Intel Celeron G3930T processor

Ports/slots/bays

Specification	Description
Ports	Standard (6) USB 3.1 Gen 1: (2) front (including 1 fast charging); (4) rear (1) USB Type-C 3.1 Gen1, front; (1) USB Type-C 3.1 Gen1 (optional), rear (2) DisplayPort with multi-stream (1) DisplayPort (optional) (1) VGA (optional) (1) HDMI (optional) (1) USB-C (optional) (has alternate mode DisplayPort or 15 W output) (1) Front: Headset and Headphone (1) RJ-45 Ethernet port Optional (1) Serial (RS-232) NOTE: Replaces (1) video optional port
	Internal

Specification	Description	
	(1) Desktop Mini SATA storage connectors	
Expansion slots	(1) Turbo Drive (M.2 PCle) M.2 PCle x1-2230 (for WLAN) (1) Turbo Drive (M.2 PCle) M.2 PCle x4-2280 (for storage)	
Bays	(1) 6.35 cm (2.5 in) internal storage drive	

Security

Specification	Description
Software security (standard)	Trusted Platform Module (TPM) 2.0 (Infineon SLB9670) (Common Criteria EAL4+ certified) Downgradeable to TPM 1.2 Convertible to FIPS 140-2 Certified mode (TPM 2.0 is not available for Win 7 32-bit). Restrictions apply; contact account manager for more details. NOTE: For more information about security software and features, go to the HP Client Security Software Suite webpage.
Hardware security	SATA 0,1 port disablement (via BIOS) Serial, USB enable/disable (via BIOS) Solenoid Hood Lock/intrusion sensor Chassis padlocks and cable lock devices supported

Physical specifications

Specification	Description
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Specification	Description
Chassis (W x H x D) (not including bezel)	177.04 x 34.29 x 174.75 mm (6.97 x 1.35 x 6.88 in)
System volume	64 cu in 1.06 L
System weight	35 W model 1.21 kg (2.67 lbs) 65 W model 1.21 kg (2.67 lbs)
Packaged (H x W x D)	144.78 x 231.14 x 497.84 mm (5.7 x 9.1 x 19.6 in)
Shipping weight	3.47 kg (7.65 lbs)
Palletization profile	16 units per layer; 10 layers maximum; 160 per pallet 995.93 x 1183.89 mm (39.21 x 46.61 in) NOTE: Dependent on whether 40-feet standard sea container or 40-feet high cube sea container is used.

Operating systems

Specification	Description
Pre-installed (Windows)	Windows 10 Pro 64 ¹ Windows 10 Pro 64 (National Academic License) ³ Windows 10 Home 64 ¹ Windows 10 Home Single Language 64 ¹ Windows 7 Professional 64 (available through downgrade rights from Windows 10 Pro) ^{2,4}

Specification	Description
	Windows 7 Professional 32 (available through downgrade rights from Windows 10 Pro) ^{2,4}
Pre-installed (other)	FreeDOS 2.0 NeoKylin Linux 64
Web-supported	Windows 10 Enterprise 64 ¹ Windows 7 Enterprise 64 ⁴

NOTE: ¹Not all features are available in all editions or versions of Windows. Systems might require upgraded and/or separately purchased hardware, drivers, software, or BIOS update to take full advantage of Windows functionality. Windows 10 automatic updates are always enabled. ISP fees might apply and additional requirements might apply over time for updates. ²This system is preinstalled with Windows 7 Pro software and also comes with a license and media for Windows 10 Pro software. Only one version of the Windows software can be used at a time. Switching between versions requires 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 data. ³Some devices for academic use automatically update to Windows 10 Pro Education with the Windows 10 Anniversary Update. Features vary; for more information, see Windows 10 Pro Education features. ⁴Only available with 6th generation (Intel) processors.

Software

Specification	Description	
Specification BIOS	Description HP Sure Start Gen3 NOTE: Available on HP EliteDesk equiped with Intel 7th generation processors. HP DriveLock/HP Automatic DriveLock BIOS Update via Network Master Boot Record Security Power On Authentication Secure Erase	
	NOTE: For the methods outlined in the National Institute of Standards and Technology Special Publication 800-88.	
	Absolute Persistence Module ¹	
	Pre-boot Authentication	(

Specification	Description
	HP LAN-WLAN Protection HP Wireless Wakeup
Communication/Connectivity	Native Miracast Support
Multimedia	Cyberlink Power Media Player (select models only) Cyberlink Power2Go (select models only)
HP Value Add Software	HP ePrint Driver with JetAdvantage ² HP Hotkey Support — CMIT HP Recovery Manager HP Recovery Disc Creator (Windows 7 only) HP Jumpstart HP Support Assistant HP Noise Cancellation Software HP Velocity HP Notifications
3rd party	Foxit PhantomPDF Express for HP (Windows 7 only)
Microsoft products	Buy Office Bing Search Skype (not available in China)
Manageability	HP Driver Packs (available for download) HP Softpaq Download Manager (SDM) HP System Software Download Manager (SSM) (available for download) HP BIOS Config Utility (BCU) (subscription required)

Specification	Description	
	HP Client Catalog (available for download) HP Manageability & Integration Kit (MIK) (available for download) LANDESK Management (subscription required) For more information about manageability software, go to the HP Client Management Solutions webpage.	
Client security software	HP Client Security HP Security Manager (including Credential Manager and Password Manager) HP DriveLock HP Password Manager HP WorkWise (requires Bluetooth) NOTE: Available soon as a free download on the App Store and Google Play. Requires Windows 10 Build 1607 or higher. Absolute Persistence Module Power On Authentication Microsoft Microsoft Defender Microsoft Security Essentials (Windows 7 only) NOTE: Opt-in and Internet connection required for updates.	

NOTE: ¹Absolute agent is 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. 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. ²Requires an Internet connection to HP web-enabled printer and HP ePrint account registration. Requires optional broadband module. Broadband use requires separately purchased service contract. Check with service provider for coverage and availability in your area. Separately purchased data plans or usage fees might apply. Print times and connection speeds vary. ³Requires purchase of a subscription and supports Android, iOS, and Windows 7 or higher operating systems and PCs, notebooks, tablets and smartphones from various manufacturers. Not available in all countries/regions.

NOTE: HP Cloud Recovery download tool (Cloud Recovery Client) is available under Software and Drivers section on the support page.

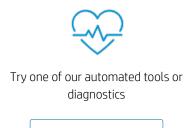
Environmental

Specification	Description
ENERGY STAR	Certified models available
EPEAT	Registered where applicable/supported NOTE: Registration status varies by country/region. Low halogen (chassis, all internal components, and modules) NOTE: External power supplies, power cords, cables, and peripherals are not low halogen. Service parts obtained after purchase might not be low halogen.
TAA compliance	TAA compliant models available

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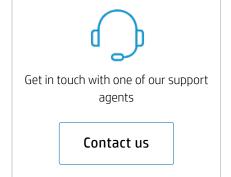
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