Datasheet

HP EliteOne 800 G5 23.8-in Healthcare Edition All-in-One

Safer, smarter, and secured for healthcare [1]

Help boost clinical efficiency and protect critical data with the HP EliteOne 800 G5 23.8-in Healthcare Edition All-in-One. This powerful system is easily sanitizable[2] and enhanced with robust security and collaboration features and optional, integrated authentication tools.[3]

HP recommends Windows 10 Pro for business

- Windows 10 Pro[6]
- 23.8" diagonal screen

Promote patient safety

- Support your infection control initiatives with a system that can be sanitized every shift, every day[2] and is bed bug treatable.[4] It's also certified to meet EN/IEC 60601-1-2 technical standards for safety near patients and medical devices.

Simplify daily workflows with a smart design

- Streamline clinical tasks with telemedicine features and optional authentication devices[3] that integrate into the system, no external configuration required. Asset management is easy with optional real-time location awareness.[5]

Preventative measures

- Insulate your system against potential data and visual hacking with our most secure and manageable AiO for healthcare. It has the full HP security software suite and optional retractable pop-up webcam[3] and HP Sure View Gen3 privacy screen.[6]

Featuring

- Be productive in any situation and power through your day with Windows 10 Pro and powerful security, collaboration, and connectivity features from HP.[7]
- This AiO can be repeatedly cleaned and disinfected with common germicidals.[2]
- Get back to patients fast with HP Easy Clean 2.0 app, which disables the touchscreen so you can quickly sanitize the system while it's on, and tracks sanitization status across your fleet.[8]
- Say goodbye to external privacy screens with our first AiO for healthcare with an integrated privacy screen. Optional HP Sure View Gen3 safeguards sensitive information and can be turned on and off with the press of a button.[6]
- Keep productivity moving with the latest Intel® Core™ processors, optional Intel® vPro™, a large 23.8" diagonal FHD touchscreen display, and improved WLAN.[10,3,11,12]
- Support telemedicine with a Skype for Business certified system that is also our first AiO for healthcare that is Vidyo Certified for medical collaboration and consultation.[13]
- Streamline clinical documentation and dictation with an optional dual-facing pop-up 2MP FHD webcam and enhanced mic.[3]
- Balance loudness and clarity and enhance speech quality with HP Audio Boost; suppress background noise with HP Noise Cancellation Software.
- Use on a flat surface with the adjustable stand, or mount in compact spaces or on a medical cart with VESA mount options; reduce clutter with one USB-C™ cable and integrated cabling.[14,15]
- Streamline authentication and login with your face or a badge tap on an AiO that integrates dual-band RFID and biometrics for single sign-on authentication.[3]
- Maximize your deployments and track and analyze where your systems are used with our first AiO for healthcare with support for integrated RFID location tracking.[5]
- To get control of your PC, attackers first need to take down its defenses. Keep critical security protections up and running with HP Sure Run Gen2.[17]

HP EliteOne 800 G5 23.8-in Healthcare Edition All-in-One Specifications Table

Available Operating Systems	Windows 10 Pro 64 – HP recommends Windows 10 Pro for business[1] Windows 10 Pro 64 (National Academic only)[1,21] Windows 10 Home 64[1] FreeDOS
Processor family[18]	8th Generation Intel® Core™ i3 processor (i3-8100); 8th Generation Intel® Core™ i5 processor (i5-8500); 8th Generation Intel® Core™ i7 processor (i7-8700); Intel® Pentium® processor (G5420, G5600 are Windows 10 only); 9th Generation Intel® Core™ i7 processor (i7-9700); 9th Generation Intel® Core™ i9 processor (i9-9900); 9th Generation Intel® Core™ i5 processor (i5-9500, i5-9600); 9th Generation Intel® Core™ i3 processor (i3-9100, i3-9300)
Available Processors[22,23,24,25]	Intel® Core™ i3-8100 with Intel® UHD Graphics 630 (3.6 GHz base frequency, 6 MB cache, 4 cores) Intel® Core™ i3-9100 with Intel® UHD Graphics 630 (3.6 GHz base frequency, up to 4.2 GHz with Intel® Turbo Boost Technology, 6 MB cache, 4 cores) Intel® Pentium® Gold G5420 with Intel® UHD Graphics 610 (3.8 GHz base frequency, 4 MB cache, 2 cores) Intel® Pentium® Gold G5600 with Intel® UHD Graphics 630 (3.9 GHz base frequency, 4 MB cache, 2 cores) Intel® Core™ i3-9300 with Intel® UHD Graphics 630 (3.7 GHz base frequency, up to 4.3 GHz with Intel® Turbo Boost Technology, 8 MB cache, 4 cores) Intel® Core™ i5-8500 with Intel® UHD Graphics 630 (3 GHz base frequency, up to 4.1 GHz with Intel® Turbo Boost Technology, 9 MB cache, 6 cores) supports Intel® vPro™ Technology Intel® Core™ i5-9600 with Intel® UHD Graphics 630 (3.1 GHz base frequency, up to 4.6 GHz with Intel® Turbo Boost Technology, 9 MB cache, 6 cores) supports Intel® vPro™ Technology Intel® Core™ i7-8700 with Intel® UHD Graphics 630 (3.2 GHz base frequency, up to 4.6 GHz with Intel® Turbo Boost Technology, 12 MB cache, 6 cores) supports Intel® vPro™ Technology Intel® Core™ i9-9900 with Intel® UHD Graphics 630 (3.1 GHz base frequency, up to 5 GHz with Intel® Turbo Boost Technology, 16 MB cache, 8 cores) supports Intel® vPro™ Technology Intel® Core™ i5-9500 with Intel® UHD Graphics 630 (3 GHz base frequency, up to 4.4 GHz with Intel® Turbo Boost Technology, 9 MB cache, 6 cores) supports Intel® vPro™ Technology Intel® Core™ i7-9700 with Intel® UHD Graphics 630 (3 GHz base frequency, up to 4.8 GHz with Intel® Turbo Boost Technology, 12 MB cache, 8 cores) supports Intel® vPro™ Technology
Chipset[25]	Intel® Q370 (vPro); Intel® Q370 (non-vPro)
Viewing angle	##displayviewangle##
Brightness[19,38]	285 nits
Form factor	All-in-one
Maximum memory	64 GB DDR4-2666 SDRAM Transfer rates up to 2666 MT/s.
Memory slots	2 SODIMM
Internal storage	500 GB up to 1 TB 7200 rpm SATA[2] 500 GB up to 2 TB 5400 rpm SATA[2] 500 GB SATA SED Opal 2 HDD[2] 500 GB 7200 rpm SATA FIPS SED[2] 256 GB up to 512 GB SATA SED Opal 2 TLC SSD[2] 256 GB up to 512 GB SATA FIPS SSD[2] 128 GB up to 1 TB PCIe® NVMe™ TLC M.2 SSD[2] 256 GB up to 512 GB PCIe® NVMe™ SED Opal 2 TLC M.2 SSD[2] 256 GB up to 512 GB SATA SSD[2] 512 GB Intel® Optane™ Memory H10 with Solid State Storage[2,26]
Storage acceleration[26]	16 GB NVMe™ Intel® Optane™ Memory for storage acceleration
Optical drive[14]	HP 9.5 mm Slim Blu-ray writer double layer; HP 9.5 mm Slim DVD-ROM double layer; HP 9.5 mm Slim DVD-Writer double layer
Display[19,38]	23.8" diagonal FHD IPS widescreen WLED-backlit glass covered touch screen (1920 x 1080) 23.8" diagonal FHD IPS widescreen WLED-backlit glass covered touch screen with HP Sure View Integrated Privacy Screen (1920 x 1080)
Available Graphics	Integrated: Intel® UHD Graphics 610; Intel® UHD Graphics 630
Audio[3]	Conexant CX5001 codec, 2 W internal speaker, HD audio
Expansion slots	1 M.2 2230; 2 M.2 2230/2280 [12] (1 PCIe M.2 2230 slot for WLAN and 2 PCIe M.2 2230/2280 slot for storage.)
Ports and Connectors	Rear: 1 audio-out; 1 DisplayPort™ 1.2; 1 HDMI; 1 power connector; 1 RJ-45; 1 USB 3.1 Type-C™; 2 USB 3.1 Gen 1; 4 USB 3.1 Gen 2 Left side: 1 headphone; 1 headset connector Optional: 1 SD 4 card reader
Available Keyboards	HP USB Business Slim Keyboard; HP USB Healthcare Edition Keyboard and Mouse Combo; HP USB PS/2 Washable Keyboard; HP USB Wired Keyboard; HP Wireless Business Slim Keyboard and Mouse Combo; HP USB Business Slim Smart Card (CCID) Keyboard[7,8,13]
Available Pointing Devices	HP USB 1000 dpi Laser Mouse; HP USB and PS/2 Washable Mouse; HP USB Optical Mouse[8,9]
LAN Network Interface	Integrated Intel® I219LM GbE LOM
Camera[6]	2 MP, 1080p, up to 30 fps, FHD pop-up Camera with integrated dual array digital microphone, maximum resolution of 1920 x 1080; 2 MP, 1080p, FHD pop-up Camera with IR sense (front) and 2 MP webcam (rear) with integrated dual array digital microphone, maximum resolution of 1920 x 1080, IR camera for face authentication with Windows Hello
Environmental	Operating temperature: 10 to 35°C; Operating humidity: 10 to 90% RH
Available Software[15,29,31,32]	Absolute Persistence module; Buy Office (sold separately); HP Hotkey Support; HP Image Assistant Gen4; HP Noise Cancellation Software; HP Secure Erase; HP Support Assistant; Native Miracast Support
Security management[16,20,30,34,36,37]	Administrator password (via BIOS); DriveLock; Hood sensor; HP BIOSphere with Sure Start; HP Client Security Suite Gen 5; HP Power On Authentication; HP Sure Click; HP Sure Recover; HP Sure Sense; HP Sure Start Gen 5; Master Boot Record Security; Power-on password (via BIOS); RAID configurations; 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 (SLB9670 - Common Criteria EAL4+ Certified); USB enable/disable (via BIOS); Dual band RFID card reader (optional)
Management features	HP Driver Packs (download); Manageability Integration Kit Gen 3[17,33]
Power	180 W internal power supply, up to 87% efficiency, active PFC
Dimensions	21.24 x 2.1 x 13.5 in; 54.04 x 5.4 x 34.19 cm
Weight	14.1 lb; 6.4 kg
Energy efficiency compliance[10]	EPEAT® 2019 registered where applicable; CECP
Environmental specifications[11]	Low halogen

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Accessories and services (not included)

HP 8GB DDR4-2666 SODIMM		Boost the capabilities of your HP Business Desktop PC and improve system performance and application responsiveness with low-power, high-speed DDR4 memory from HP. **Product number: 3TK88AT**
HP TLC 256 GB SATA SSD		Expand the storage capabilities of your desktop with the HP TLC 256 GB SATA SSD[1], which includes TLC flash and the same reliability you already get from current from SSD drives. **Product number: P1N68AT**
HP Keyed Cable Lock 10 mm		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: T1A62UT**
Intel Optane Memory H10 32GB+512GB		Achieve high performance, responsiveness, and endurance for QLC NAND storage media with the Intel® Optane™ Memory H10 32GB+512GB[1], which preloads and accelerates frequently-used applications and files in a single M.2 form factor. **Product number: 6VF55AT**
HP USB Keyboard and Mouse Healthcare Edition		Make the most of your workspace with the sleek, white, IP 65-rated[1] HP USB Keyboard and Mouse Healthcare Edition, which simplify patient data entry and are easy to keep clean.[2] **Product number: 1VD81AA**
HP 4 year Next Business Day Onsite Hardware Support for Desktops	 HP Care Pack	When hardware issues come up, the sooner you can get running again, the better. Have expertise at the ready with HP Hardware Next Business Day Onsite Service, and vastly improve your product uptime. With high-quality remote assistance or convenient onsite support available the next business day, help is there when you need it—so you can get back to work. **Product number: U7899E, UE334E**

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Messaging Footnotes

[1] Safer and smarter based on HP Healthcare Edition products compared to other HP products as of June 2019 based on ability to be cleaned with sanitizing agents listed in the user guide and EN 60601-1-2:2015 testing. Excludes HP 2017 platforms.
[2] Tested by up to 10,000 wipes with germicidal towelettes over a 3-year period. See user guide for cleaning instructions and approved cleaners.
[3] Sold separately as a configurable option.
[4] Tested with Nuvan ProStrips.
[5] Sold separately.
[6] HP Sure View Gen3 integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation. Expected to be available on August 26th, 2019.
[7] 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.
[8] HP Easy Clean 2.0 requires Windows 10 RS3 and will disable the touchscreen only. Ports are not disabled. See user guide for cleaning instructions.
[10] 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.
[11] Some functionality of vPro 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. Compatibility of this generation of Intel vPro technology-based hardware with future "virtual appliances" is yet to be determined.
[12] Compared to the predecessor.
[13] Vidyo software sold separately.
[14] Stand included, other optional stands also available, sold separately. See product QuickSpecs for compatibility.
[15] Cart, mounting options, and hardware sold separately.
[17] See product specifications for availability.

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] 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.
[3] Universal Audio Jack with CTIA headset support (re-taskable for headphone/line out/microphone in/line in).
[4] Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited.
[5] 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.
[6] Sold separately or as an optional feature.
[7] HP USB Business Slim Antimicrobial Keyboard: China only.
[8] Keyboards and mouse are optional or add-on features.
[9] HP USB Antimicrobial Mouse: China only.
[10] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.
[11] External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
[12] (2) M.2 Socket 3 Type 2230/80-M.
[13] HP USB Business Slim Antimicrobial Keyboard: China only.
[14] HP Optical Drive: Optional.
[15] 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.
[16] HP BIOSphere with Sure Start Gen5: requires Intel® 9th Gen or AMD processors. Features may vary depending on the platform and configurations.
[17] HP Driver Packs: HP Driver Packs not preinstalled, however available for download at http://www.hp.com/go/clientmanagement.
[18] 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® and AMD 7th generation and forward processors or provide any Windows 8 or Windows 7 drivers on http://www.support.hp.com
[19] All Healthcare Models are Touch.
[20] HP Drive Lock is not supported on NVMe drives.
[21] 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.
[22] 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.
[23] 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.
[24] 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.
[25] 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
[26] Intel® Optane™ memory is sold separately. Intel® Optane™ memory system acceleration does not replace or increase the DRAM in your system. Available for HP commercial desktops and notebooks and for select HP workstations (HP Z240 Tower/SFF, Z2 Mini, ZBook Studio, 15 and 17 G5) and requires a SATA HDD, 7th Gen or higher Intel® Core™ processor or Intel ® Xeon® processor E3-1200 V6 product family or higher, BIOS version with Intel® Optane™ supported, Windows 10 version 1703 or higher, M.2 type 2280-S1-B-M connector on a PCH Remapped PCIe Controller and Lanes in a x2 or x4 configuration with B-M keys that meet NVMe™ Spec 1.1, and an Intel® Rapid Storage Technology (Intel® RST) 15.5 driver.
[29] HP Secure Erase for the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method. HP Secure Erase does not support platforms with Intel® Optane™.
[30] HP Sure Click is available on select HP platforms and supports Microsoft Internet Explorer, Google Chrome™, and Chromium™. Supported attachments include Microsoft Office (Word, Excel, PowerPoint) and PDF files in read only mode, when Microsoft Office or Adobe Acrobat are installed.
[32] Native Miracast Support: Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.
[33] HP Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement.
[34] HP Client Security Suite Gen 5: Including HP Security Manager (including Credential Manager, HP Password Manager [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.], and HP Spare Key) and Power On Authentication, HP Device Access Manager, HP Power On Authentication.
[36] RAID configurations: RAID configuration is optional and does require a second hard drive.
[37] HP Sure Start Gen5 is available on select HP PCs with Intel® processors. See product specifications for availability.
[38] Brightness (typical): 285 nits (non-Privacy); 400 nits (Privacy).

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