Datasheet

HP ProDesk 400 G5 Small Form Factor PC

Reliable and future ready

Designed to fit the modern workspace now and in the future, the small, reliable, and secure HP ProDesk 400 SFF is a powerful PC with performance that's scalable to grow with your business.

HP recommends Windows 10 Pro.

- Windows 10 Pro[1]
- Intel® Core™ processors[2]

Powerful options

- Power through your day with high-performance 8th Gen Intel® Core™ processors[2] unleashed by optional Intel® Optane™ memory[3] and discrete graphics[4].

Expansion that extends your investment

- The full value of your investment comes with expansion that extends the life of your PC. The HP ProDesk 400 SFF has two bays and two half-height slots, and optional ports to connect up to three HP displays[5].

Connection hub

- With 8 total USB ports and optional Bluetooth® [4] connectivity, the HP ProDesk 400 SFF becomes a hub for all your devices in the office.

Tested and ready

- The reliable HP ProDesk 400 SFF experienced 120,000 hours of the HP Total Test Process[6] and now has an optional dust filter[4] to help extend the life of your PC by reducing airborne particulate intake in the most demanding work environments.

Featuring

- Power through your day with Windows 10 Pro with built-in security, collaboration, and connectivity.
- HP Client Security Manager Gen4 features multi-factor authentication, HP Device Access Manager, HP SpareKey, and HP Password Manager. These tools work to keep data out of reach and defend against theft, attacks, and unauthorized users.
- Keep productivity high and downtime low with HP BIOSphere Gen4 firmware-level automation. Your PCs have extra protection thanks to automatic updates and security checks.
- The HP Manageability Integration Kit helps speed up image creation and management of hardware, BIOS, and security through Microsoft System Center Configuration Manager.
- Help protect your PC from websites, read only Microsoft® Office and PDF attachments, malware, ransomware, and viruses with hardware-enforced security from HP Sure Click.
- Enjoy always-on, included self-help support built right into your PC, for the life of your PC.
- 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 120,000 hours of HP's Total Test Process.

HP recommends Windows 10 Pro.

HP ProDesk 400 G5 Small Form Factor PC Specifications Table

Available Operating Systems	Windows 10 Pro 64 – HP recommends Windows 10 Pro.[1] Windows 10 Pro 64 (National Academic only)[2] Windows 10 Home 64[1] Windows 10 Home Single Language 64[1] FreeDOS
Processor family[4]	Intel® Pentium® Gold processor; Intel® Celeron® processor (G4900 is Windows 10 only); 8th Generation Intel® Core™ i7 processor (i7-8700); 8th Generation Intel® Core™ i5 processor (i5-8500, i5-8600); 8th Generation Intel® Core™ i3 processor (i3-8100, i3-8300); 8th Generation Intel® Core™ i7+ processor (i7-8700)
Available Processors[34,35,36]	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); Intel® Core™ i3-8100 with Intel® UHD Graphics 630 (3.6 GHz, 6 MB cache, 4 cores); Intel® Celeron® G4900 with Intel® UHD Graphics 610 (3.1 GHz, 2 MB cache, 2 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); Intel® Pentium® Gold G5400 with Intel® UHD Graphics 610 (3.7 GHz, 4 MB cache, 2 cores); Intel® Core™ i5-8600 with Intel® UHD Graphics 630 (3.1 GHz base frequency, up to 4.3 GHz with Intel® Turbo Boost Technology, 9 MB cache, 6 cores); Intel® Core™ i3-8300 with Intel® UHD Graphics 630 (3.7 GHz, 8 MB cache, 4 cores); Intel® Pentium® Gold G5600 with Intel® UHD Graphics 630 (3.9 GHz, 4 MB cache, 2 cores); Intel® Pentium® Gold G5500 with Intel® UHD Graphics 630 (3.8 GHz, 4 MB cache, 2 cores); Intel® Core™ i7+ 8700 (Core™ i7 and 16 GB Intel® Optane™ memory) (3.2 GHz base frequency, up to 4.6 GHz with Intel® Turbo Boost Technology, 12 MB cache, 6 cores); Intel® Core™ i5+ 8600 (Core™ i5 and 16 GB Intel® Optane™ memory) (3.1 GHz base frequency, up to 4.3 GHz with Intel® Turbo Boost Technology, 9 MB cache, 6 cores); Intel® Core™ i5+ 8500 (Core™ i5 and 16 GB Intel® Optane™ memory) (3 GHz base frequency, up to 4.1 GHz with Intel® Turbo Boost Technology, 9 MB cache, 6 cores)
Chipset	Intel® B360
Form factor	Small form factor
Maximum memory	32 GB DDR4-2666 SDRAM [6,7] Transfer rates up to 2666 MT/s.
Memory slots	2 DIMM
Internal storage	500 GB up to 2 TB SATA HDD [3] up to 500 GB SATA SED Opal 2 HDD [3] up to 500 GB SATA FIPS SED HDD [3] 500 GB up to 1 TB SATA SSHD [3] 256 GB up to 512 GB SATA SSD [3] 256 GB up to 512 GB SATA SED Opal 2 TLC SSD [3] 128 GB up to 512 GB PCIe® NVMe™ M.2 SSD [3] 128 GB up to 512 GB PCIe® NVMe™ TLC M.2 SSD [3] 256 GB up to 512 GB PCIe® NVMe™ SED Opal 2 TLC M.2 SSD [3] 256 GB up to 512 GB SATA SED FIPS 140-2 SSD [3]
Optical drive	HP 9.5 mm Slim DVD-Writer; HP 9.5 mm Slim DVD-ROM; HP 9.5 mm Slim Blu-ray writer [8]
Available Graphics	Integrated: Intel® UHD Graphics 630; Intel® UHD Graphics 610 Discrete: NVIDIA® GeForce® GT 730 (2 GB GDDR5 dedicated); AMD Radeon™ R7 430 Graphics (2 GB GDDR5 dedicated); AMD Radeon™ RX 550X Graphics (4 GB GDDR5 dedicated)
Audio	Conexant CX20632 codec, 2 W internal speaker, universal audio jack, headset and headphone front ports (3.5 mm), multi-streaming capable
Expansion slots	1 M.2 2230; 1 M.2 2230/2280; 1 PCIe 3 x1; 1 PCIe 3 x16; One 4-in-1 media card reader [10] (1 M.2 slot for WLAN and 1 M.2 2230/2280 slot for storage.)
Ports and Connectors	Front: 1 headset connector; 2 USB 3.1 Gen 1 Rear: 1 audio-in; 1 audio-out; 1 DisplayPort™ 1.2; 1 power connector; 1 RJ-45; 1 VGA; 2 USB 3.1 Gen 1; 4 USB 2.0[18] Optional: 1 DisplayPort™ 1.2; 1 VGA; 1 serial and 1 serial and PS/2 ports combination; 1 HDMI 2.0; 1 USB 3.1 Type-C™ Gen 2 (DisplayPort™)
Input devices	HP Conferencing Keyboard; HP Wireless Business Slim Keyboard and Mouse Combo; HP Wireless Premium Keyboard and Mouse Combo; USB Business Slim Standalone Wired Keyboard; HP USB Collaboration Wired Keyboard; HP Wireless Collaboration Keyboard[9]; HP PS/2 Mouse; HP USB 1000 dpi Laser Mouse; HP USB Optical Mouse[9]
Communications	LAN: Intel® I210-T1 PCIe® GbE; Realtek RTL8111HSH-CG GbE [15]; WLAN: Realtek RTL8723DE 802.11b/g/n (1x1) M.2 PCIe® and Bluetooth® Combo; Realtek RTL8821CE-CG 802.11a/b/g/n/ac (1x1) with Bluetooth® M.2 PCIe®; Intel® Dual Band Wireless-AC 9560 802.11ac (2x2) and Bluetooth® M.2 PCIe®, non-vPro™ [16];
Drive Bays	One 3.5" HDD; Two 2.5" HDD [17]
Environmental	Operating temperature: 10 to 35°C; Operating humidity: 10 to 90% RH
Available Software	HP Device Access Manager; HP Hotkey Support; HP Noise Cancellation Software; HP Recovery Manager; HP Secure Erase; HP Support Assistant; HP Sure Click; Native Miracast Support; HP Wireless Wakeup; Buy Office (sold separately); Windows Defender; HP JumpStarts [13,24,26,27,30]
Security management	DriveLock; HP BIOSphere; HP Credential Manager; HP Password Manager; HP Power On Authentication; HP Security Manager; HP Spare Key; Lock slot; Power-on password (via BIOS); Removable media write/boot control; SATA port disablement (via BIOS); Setup password (via BIOS); Support for chassis padlocks and cable lock devices; USB enable/disable (via BIOS); Master Boot Record Security; HP Client Security Suite Gen 4; Pre-boot Authentication; Serial enable/disable (via BIOS); Trusted Platform Module TPM 2.0 Embedded Security Chip shipped with Windows 10 (Common Criteria EAL4+ Certified)(FIPS 140-2 Level 2 Certified)[12,20,22,23,37]
Management features	HP BIOS Config Utility (download); HP Client Catalog (download); HP Driver Packs (download); HP System Software Manager (download); Update BIOS via Cloud or Network (BIOS feature); Ivanti Management Suite; HP Management Integration Kit for Microsoft System Center Configuration Management Gen 2[14,32,33]
Power	180 W internal power supply, up to 90% efficiency, active PFC; 180 W internal power supply, up to 92% efficiency, active PFC
Dimensions	27 x 29.6 x 9.5 cm
Weight	4.6 kg (Configured with 1 HDD and 1 ODD. Weight will vary by configuration.)
Energy efficiency compliance	ENERGY STAR® certified; EPEAT® registered[5]

HP recommends Windows 10 Pro.

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Accessories and services (not included)

HP 9.5mm G3 8/6/4 SFF G4 400 SFF/MT DVD Writer

Affordably add an optical storage writer to your HP Desktop PC[1] with the HP 9.5mm Desktop G3 ODD, which connects through SATA and supports writing—up to 8.5 GB of data or four hours of DVD-quality video—to all DVD formats.

Product number: 1CA53AA

HP 16GB DDR4-2666 DIMM

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: 3TK83AA

HP Business PC Security Lock v3 Kit

Help prevent chassis tampering and secure your PC and display in workspaces and public areas with the affordable HP Business PC Security Lock v3 Kit.

Product number: 3XJ17AA

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] 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.
[3] 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.
[4] Sold separately or as an optional feature.
[5] Support for up to three video outputs via two standard video connectors and an optional third video port connector which provides the following choices: DisplayPort™ 1.2, HDMI 2.0, VGA, or USB Type-C™ with Display Output.
[6] HP Total Test Process testing is not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.
[7] HP Client Security Manager Gen4 requires Windows and Intel® 7th Gen processors.
[8] HP BIOSphere Gen4 requires Intel® or AMD 8th Gen processors. Features may vary depending on the platform and configurations.
[9] HP Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement.
[10] HP Sure Click is available on most HP PCs and supports Microsoft® Internet Explorer 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.
[11] Requires Windows and internet access.

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] 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 10) of system disk is reserved for the system recovery software.
[4] 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
[5] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.
[6] 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 2133 MT/s; actual data rate is determined by the system's configured processor. See processor specifications for supported memory data rate.
[7] All memory slots are customer accessible / upgradeable.
[8] Sold separately or as an optional feature.
[9] Availability may vary by country.
[10] SD 3 with 4-in-1 Interface (Supports SD, SDXC, SDHC, UHS-I). Sold separately or as an optional feature.
[12] HP BIOSphere: HP BIOSphere Gen4 requires Intel® or AMD 8th Gen processors. Features may vary depending on the platform and configurations.
[13] HP Native Miracast Support: Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.
[14] HP Driver Packs not preinstalled, however available for download at http://www.hp.com/go/clientmanagement.
[15] Intel® I210-T1 PCIe® GbE: Sold separately or as an optional feature.
[16] Wireless access point and internet service required.
[17] Small Form Factor can be configured with either (1) 3.5" or (2) 2.5" internal storage drive (2.5 inch drive needs adapter).
[18] (2) USB 2.0: allows for wake from S4/S5 with keyboard/mouse when connected and enabled in BIOS.
[20] HP Client Security Suite Gen 4 requires Windows and Intel® or AMD 8th generation processors.
[22] 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.
[23] Trusted Platform Module TPM 2.0 Embedded Security Chip shipped with Windows 10 (Common Criteria EAL4+ Certified)(FIPS 140-2 Level 2 Certified): In some scenarios, machines pre-configured with Windows OS might ship with TPM turned off.
[24] For the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method.
[26] HP Support Assistant requires Windows and Internet access.
[27] Windows Defender Opt In, Windows 10, and internet connection required for updates.
[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] HP Management Integration Kit for Microsoft System Center Configuration Management Gen 2: can be downloaded from http://www8.hp.com/us/en/ads/clientmanagement/overview.html.
[33] Ivanti Management Suite: subscription required.
[34] 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.
[35] 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.
[36] 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.
[37] HP Drive Lock is not supported on NVMe drives.

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