Datasheet

HP ProDesk 400 G5 Desktop Mini PC

A reliable, future-ready performer

Deploy a compact, stylish PC built to fit your modern workspace and deliver affordable, reliable performance. The HP ProDesk 400 Desktop Mini also includes integrated manageability and security features and scalability for your growing business.

HP recommends Windows 10 Pro for business

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

Powerful and configurable

- Power through your day with a solution you can flexibly configure with up to a 9th Gen Intel® Core™ processor[2] and options that include Intel® Optane™ memory[3] and SSD storage.[4]

Expansion that extends your investment

- Grow your PC with your business with M.2 slot and traditional SATA storage options.[4] A configurable I/O port allows you to add VGA[4] or serial[4] legacy support or a third video connector[4] for three displays[5] or USB-C™ with 100W Power Delivery.[4]

Build a universe around your Mini

- Install your Mini securely inside an HP Mini-in-One 24 Display[6] or attach behind an HP display[7]—and power through USB-C™[8]. Mount[9] with space-saving HP accessories.[4] Streamline cabling with USB-C™ or optional HP Power Supply Holder.[4]

- Be productive in any situation with Windows 10 Pro and powerful security, collaboration, and connectivity features from HP.[1]
- Keep productivity high and downtime low with HP BIOSphere Gen5 firmware-level automation. Your PCs have extra protection thanks to automatic updates and security checks.[10]
- Help protect your PC from websites and attachments with malware, ransomware, or viruses with hardware-enforced security from HP Sure Click.[11]
- The HP Manageability Integration Kit helps speed up image creation and management of hardware, BIOS, and security through Microsoft System Center Configuration Manager.[12]
- Simplify securing your PC. HP Client Security Manager offers a single interface to set up and manage your PC's powerful security features.[13]
- ITDMs can quickly help create, improve, and secure custom Windows images with HP Image Assistant.
- Enjoy always-on, included self-help support built right into your PC, for the life of your PC, with HP Support Assistant.[14]
- Rest easy with a PC that goes the distance, is designed to pass 120,000 hours of HP's Total Test Process and has an optional dust filter to help extend the life of your PC.[15,4]

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HP ProDesk 400 G5 Desktop Mini PC Specifications Table

Available Operating Systems	Windows 10 Pro 64 – HP recommends Windows 10 Pro for business[1] Windows 10 Pro 64 (National Academic only)[1,2] FreeDOS
Processor family[4]	8th Generation Intel® Core™ i3 processor (i3-8100T); 8th Generation Intel® Core™ i5 processor (i5-8500T); 8th Generation Intel® Core™ i7 processor (i7-8700T); 9th Generation Intel® Core™ i3 processor (i3-9100T, i3-9300T); 9th Generation Intel® Core™ i5 processor (i5-9500T, i5-9600T); 9th Generation Intel® Core™ i7 processor (i7-9700T); 9th Generation Intel® Core™ i9 processor (i9-9900T); Intel® Celeron® processor (G4930T is Windows 10 only); Intel® Pentium® processor (G5420T, G5600T are Windows 10 only)
Available Processors[16,21,30,31]	Intel® Core™ i3-8100T with Intel® UHD Graphics 630 (3.1 GHz base frequency, 6 MB cache, 4 cores) Intel® Core™ i3-9300T with Intel® UHD Graphics 630 (3.2 GHz base frequency, up to 3.8 GHz with Intel® Turbo Boost Technology, 8 MB cache, 4 cores) Intel® Core™ i3-9100T with Intel® UHD Graphics 630 (3.1 GHz base frequency, up to 3.7 GHz with Intel® Turbo Boost Technology, 6 MB cache, 4 cores) Intel® Pentium® Gold G5420T with Intel® UHD Graphics 610 (3.2 GHz base frequency, 4 MB cache, 2 cores) Intel® Pentium® Gold G5600T with Intel® UHD Graphics 630 (3.3 GHz base frequency, 4 MB cache, 2 cores) Intel® Celeron® G4930T with Intel® UHD Graphics 610 (3 GHz base frequency, 2 MB cache, 2 cores) Intel® Core™ i5-9500T with Intel® UHD Graphics 630 (2.2 GHz base frequency, up to 3.7 GHz with Intel® Turbo Boost Technology, 9 MB cache, 6 cores) supports Intel® vPro™ Technology Intel® Core™ i5-9600T with Intel® UHD Graphics 630 (2.3 GHz base frequency, up to 3.9 GHz with Intel® Turbo Boost Technology, 9 MB cache, 6 cores) supports Intel® vPro™ Technology 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® Core™ i7-9700T with Intel® UHD Graphics 630 (2 GHz base frequency, up to 4.3 GHz with Intel® Turbo Boost Technology, 12 MB cache, 8 cores) supports Intel® vPro™ Technology Intel® Core™ i9-9900T with Intel® UHD Graphics 630 (2.1 GHz base frequency, up to 4.4 GHz with Intel® Turbo Boost Technology, 16 MB cache, 8 cores) supports Intel® vPro™ Technology
Chipset[30]	Intel® B360
Viewing angle	##displayviewangle##
Form factor	Mini
Maximum memory	64 GB DDR4-2666 SDRAM [6,7,10] Transfer rates up to 2666 MT/s.
Memory slots	2 SODIMM
Internal storage	500 GB up to 2 TB SATA HDD[3] 500 GB SATA SED Opal 2 HDD[3] 500 GB SATA SED FIPS HDD[3] 256 GB up to 512 GB SATA SSD[3] 256 GB up to 512 GB SATA SED Opal 2 SSD[3] 256 GB up to 512 GB SATA SED FIPS SSD[3] 128 GB up to 1 TB PCIe® NVMe™ TLC M.2 SSD[3] 256 GB up to 512 GB PCIe® NVMe™ SED Opal 2 TLC M.2 SSD[3]
Storage acceleration[32]	16 GB NVMe™ Intel® Optane™ Memory for storage acceleration
Available Graphics	Integrated: Intel® UHD Graphics 610; Intel® UHD Graphics 630 (Integrated graphics will depend on processor.)
Audio	Conexant CX20632 codec, 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 M.2 slot for WLAN and 1 M.2 2230/2280 slot for storage.)
Ports and Connectors	Front: 1 headset connector; 1 USB 3.1 Gen 1 (charging); 1 USB 3.1 Gen 2; 1 headphone connector Rear: 1 RJ-45; 2 DisplayPort™ 1.2; 2 USB 3.1 Gen 1; 2 USB 2.0[24] Optional: 1 DisplayPort™ 1.2; 1 HDMI 2.0; 1 serial; 1 USB 3.1 Type-C™ Gen 2 (DisplayPort™); 1 USB 3.1 Type-C™ Gen 2 (Power Delivery, DisplayPort™); 1 VGA[18,22]
Available Keyboards	HP USB Business Slim Keyboard; HP USB PS/2 Washable Keyboard; HP Wireless Business Slim Keyboard; HP USB Business Slim Smart Card (CCID) Keyboard[9]
Available Pointing Devices	HP USB 1000 dpi Laser Mouse; HP USB and PS/2 Washable Mouse; HP USB Optical Mouse[9]
LAN Network Interface	Realtek RTL8111HSH-CG GbE
WLAN [30]	Intel® Dual Band Wireless-AC 9560 802.11ac (2x2) and Bluetooth® M.2 PCIe®, non-vPro™
Drive Bays	One 2.5" [15]
Environmental	Operating temperature: 10 to 35°C; Operating humidity: 10 to 90% RH
Available Software[13,17,19,20,23]	Buy Office (sold separately); HP Hotkey Support; HP JumpStarts; HP Secure Erase; HP Support Assistant; HP Sure Click; HP Wireless Wakeup; Native Miracast Support; Windows Defender
Security management[12,27,28,29]	DriveLock; Hood sensor; HP BIOSphere Gen5; HP Client Security Suite; HP Credential Manager; HP Password Manager; HP Power On Authentication; HP Spare Key; HP Sure Sense; Master Boot Record Security; Power-on password (via BIOS); Pre-boot Authentication; SATA port disablement (via BIOS); Serial enable/disable (via BIOS); Setup password (via BIOS); Support for chassis padlocks and cable lock devices; TPM 2.0 (Firmware: 7.85) endpoint security controller (Infineon SLB9670) shipped with Windows 10. Common Criteria EAL4+ Certified. FIPS 140-2 Level 2 Certified; USB enable/disable (via BIOS)
Management features	HP BIOS Config Utility (download); HP Client Catalog (download); HP Cloud Recovery; HP Driver Packs (download); HP Image Assistant; HP Management Integration Kit for Microsoft System Center Configuration Management Gen 2; HP System Software Manager (download); Ivanti Management Suite; Update BIOS via Cloud or Network (BIOS feature)[14,25,26,33]
Power	65 W external power adapter, up to 89% efficiency
Dimensions	6.97 x 6.89 x 1.34 in; 17.7 x 17.5 x 3.4 cm
Weight	2.75 lb; 1.25 kg
Ergonomic features	##displaytiltswiv##
Energy efficiency compliance[5]	ENERGY STAR® certified; EPEAT® 2019 registered where applicable
Environmental specifications[11]	Low halogen

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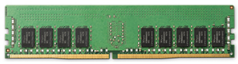
Accessories and services (not included)

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: 1RL87AT
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 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: N3R88AT
HP Integrated Work Center for Desktop Mini and Thin Client		Make the most of small work spaces with an HP IWC Desktop Mini/Thin Client that lets you create a compact desktop solution by combining a display[1] with your choice of platform[1] and giving you convenient front access to all of its inputs. Product number: G1V61AT
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: 2DW53AT
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: 2JA32AT
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] 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 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.
[4] Sold separately or as an optional feature.
[5] Displays sold separately. 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 Mini-in-One 24 Display sold separately. PC must be configured with optional USB-C™ with 100W Power Delivery card.
[7] Display sold separately. See display data sheet on hp.com for mounting bracket guidance.
[8] Select HP EliteDisplays support USB-C™ Power Delivery. See display data sheet on hp.com for guidance. PC must be configured with optional USB-C™ with 100W Power Delivery card.
[9] Mounting hardware sold separately.
[10] HP BIOSphere Gen5 is available on select HP Pro and Elite PCs. See product specifications for details. Features may vary depending on the platform and configurations.
[11] 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.
[12] HP Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement.
[13] HP Client Security Manager Gen5 requires Windows and is available on select HP Pro and Elite PCs. See product specifications for details.
[14] Requires Windows and Internet access.
[15] HP Total Test Process testing is not a guarantee of future performance under these test conditions. Any accidental damage requires an optional HP Accidental Damage Protection Care Pack.

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 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.
[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 2666 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] Wireless access point and internet service required.
[9] Availability may vary by country.
[10] Actual data rate is determined by both the system's configured processor and memory module installed.
[11] External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
[12] HP BIOSphere Gen5 is available on select HP Pro and Elite PCs. See product specifications for details. 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: HP Driver Packs not preinstalled, however available for download at http://www.hp.com/go/clientmanagement.
[15] The 2.5" SATA drive bay can be both HDD and SSD.
[16] 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.
[17] Secure Erase for the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method.
[18] Ports are optional and can be chosen only one by user.
[19] HP Support Assistant requires Windows and Internet access.
[20] Windows Defender Opt In, Windows 10, and internet connection required for updates.
[21] 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.
[22] (1) Configurable port: Choice of Serial, DisplayPort™ 1.2, HDMI 2.0, HDMI 2.0 with one DisplayPort™ blocked, VGA, VGA with one DisplayPort™ blocked, USB 3.1 Type-C™ Gen 2 with DisplayPort™ support, or USB 3.1 Type-C™ Gen 2 with DisplayPort™ and Power Delivery support. Sold separately or as an optional feature.
[23] 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.
[24] When configurable I/O port has been configured, one DisplayPort™ may be blocked in select configurations.
[25] 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
[26] Ivanti Management Suite: subscription required.
[27] HP Client Security Suite Gen5: requires Windows and is available on select HP Pro and Elite PCs. See product specifications for details.
[28] 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.
[29] 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.
[30] 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
[31] 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.
[32] 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.
[33] 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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