HP ProDesk 600 G5 Desktop Mini PC (7PJ84UT)

Overview

Flexible reliability and performance

Designed to fit the modern workspace, the stylish and ultra-small HP ProDesk 600 Desktop Mini is a powerful and reliable PC with performance, security, and manageability features built to suit your mid-to-large business.

Business-ready performance

Power through your day with an Intel® processor[2] and fast, high-capacity storage.

Built on a secure foundation

Protect your PC from the BIOS to the browser with self-healing and manageable hardware-enforced security solutions from HP, including HP Sure Start Gen5[10], HP Sure Click[11], and HP Client Security Manager.[12]

Place it where you need it

Expand your experience with optional HP Mini accessories[4] that simplify mounting[9] and securing your device. Save space by attaching your Mini behind an HP display.[7] Streamline cabling with USB-C™ and optional HP Power Supply Holder.[4]

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[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.

[4] Sold separately or as an optional feature.

[7] Display sold separately. See display data sheet on hp.com for mounting bracket guidance.

[9] Mounting hardware sold separately.

[10] HP Sure Start Gen5 is available on select HP PCs with Intel® processors. See product specifications for availability.

[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.

Specifications

Form factor	Mini
Operating system	Windows 10 Pro 64
Processor family	9th Generation Intel® Core™ i7 processor (i7-9700T)
Processor	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)[6,7]
Chipset	Intel® Q370 (vPro); Intel® Q370 (non-vPro)[30]
Memory	8 GB DDR4-2666 SDRAM (1 X 8 GB)
Memory Slots	2 SODIMM
Internal Storage	256 GB PCIe® NVMe™ SSD
Internal drive bays	One 2.5"
Graphics	Integrated
Graphics (integrated)	Intel® UHD Graphics 630
Minimum dimensions (W x D x H)	17.7 x 17.5 x 3.4 cm
Minimum dimensions (W x D x H)	6.97 x 6.89 x 1.34 in
Weight	1.25 kg *(Exact weight depends on configuration.)*
Weight	2.75 lb *(Exact weight depends on configuration.)*
Keyboard	HP USB Business Slim Keyboard
Ports	1 headset connector; 1 USB 3.1 Gen 1; 1 USB 3.1 Gen 2; 1 USB 3.1 Type-C™ Gen 2; 1 headphone connector
Expansion slots	1 M.2 2230; 2 M.2 2230/2280 *(1 M.2 slot for WLAN and 2 M.2 2230/2280 slots for storage.)*
Ports	1 RJ-45; 2 DisplayPort™ 1.2; 2 USB 3.1 Gen 1; 2 USB 3.1 Gen 2
Ports	1 DisplayPort™ 1.2; 1 serial; 1 VGA; 1 HDMI 2.0; 1 USB 3.1 Type-C™ Gen 2 (DisplayPort™); 1 USB 3.1 Type-C™ Gen 2 (Power Delivery, DisplayPort™)
Package dimensions (W x D x H)	49.7 x 12.8 x 22.3 cm *(Packaging material used will vary by Country)*
Package weight	3.34 kg *(Packaging material used will vary by Country)*
Network interface	Intel® Dual Band Wireless-AC 9560 802.11ac (2x2) and Bluetooth® 5 M.2 PCIe®, non-vPro™
Power	65 W external power adapter

Management features	HP BIOS Config Utility (download); HP Client Catalog (download); HP Driver Packs (download); HP Image Assistant; 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[10,26,27]
Environmental	Low halogen
Security management	DriveLock; Hood sensor; HP BIOSphere; HP Client Security Suite; HP Credential Manager; HP Password Manager; HP Power On Authentication; HP Spare Key; HP Sure Sense; HP Sure Start; Intel® Identity Protection Technology (Intel® IPT); Master Boot Record Security; Power-on password (via BIOS); Pre-boot Authentication; RAID configurations; 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)[7,21,25,28,29]

Additional specifications

External I/O ports footnote number	[18]
I/O Port location	Front
I/O Port location	Rear
I/O Port location	Optional
Legal tagline	HP recommends Windows 10 Pro.
MDA key selling point	Windows 10 Pro or other operating systems available
Memory and storage	8 GB memory; 256 GB SSD storage
Operating humidity range	10 to 90% RH
Operating temperature range	50 to 95°F
Operating temperature range	10 to 35°C
Package dimensions (W x D x H)	19.57 x 5.04 x 8.78 in
Package weight	7.36 lb
Processor speed	2 GHz
Product brand name	HP
Standard memory note	Transfer rates up to 2666 MT/s.
Storage acceleration	16 GB NVMe™ Intel® Optane™ Memory for storage acceleration[32]
Storage type	SSD
UNSPSC code	43211507

[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. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering is not a measurement of higher performance.

[7] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See http://www.intel.com/technology/turboboost/ for more information.

[10] HP Driver Packs: not preinstalled, however available for download at http://www.hp.com/go/clientmanagement.

[21] 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.

[25] RAID configuration: sold separately or as an optional feature, multiple data drives setup in a RAID array is optional and requires product to be configured with vPro™ at purchase.

[26] 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

[27] Ivanti Management Suite: subscription required.

[28] HP Client Security Suite Gen 5: requires Windows and is available on select HP Pro and Elite PCs. See product specifications for details.

[29] 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. HP Sure Start Gen 4: is available on HP ProDesk & ProOne products equipped with Intel® 8th generation processors.

[30] For full Intel® vPro™ functionality, Windows, a vPro supported processor, vPro enabled Q370 chipset and vPro enabled WLAN card are required.

[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.

Keyboards/Mice/Monitors and Input Devices

Keyboard and Mouse Kits

HP Wireless Slim Business Keyboard	N3R88AT
HP USB PS2 Washable Keyboard and Mouse	BU207AT
HP Wireless Slim Business Keyboard	N3R88AA
HP USB Business Slim Antimicrobial Keyboard and Mouse	Z9H50AA
HP USB Bus Slim Bulk Keyboard/Mouse/Mousepad Bulk Kit	T4E63A6
HP USB Keyboard and Mouse Healthcare Edition	1VD81AA
HP USB Bus Slim Keyboard/Mouse/Mousepad Kit	T4E63AA
HP (Bulk) Wireless Business Slim Keyboard and Mouse	N3R88A6
HP USB Bus Slim Keyboard/Mouse/Mousepad Kit	T4E63AT
HP USB PS2 Washable Keyboard and Mouse	BU207AA

Keyboards

HP USB Premium Keyboard	Z9N40AA
HP USB Slim Business Keyboard	N3R87AT
HP Business Slim Smartcard Keyboard	Z9H48AA
HP USB Slim Business Keyboard	N3R87AA
HP Wireless Premium Keyboard	Z9N41AA
HP Conferencing Keyboard	K8P74AA
HP (Bulk) USB Slim Business Keyboard	N3R87A6
HP USB (Grey) Business Slim Keyboard	Z9H49AA

Mice

HP USB 1000dpi Laser (Bulk Pack 100) Mouse	QY778A6
HP USB Optical Scroll (Bulk Pack 100) Mouse	QY777A6
HP USB Optical Scroll Mouse	QY777AA
HP USB Grey v2 Mouse	Z9H74AA
HP USB Optical Scroll Mouse	QY777AT
HP USB 1000dpi Laser Mouse	QY778AA
HP USB 1000dpi Laser Mouse	QY778AT

Cables/Cable Kits/Cable Adapters

Cable Adapters

HP USB-C to DP Adapter	N9K78AA
HP USB-C to VGA Adapter	N9K76AA

Audio and Video Cables

HP DisplayPort to DVI-D Adapter	FH973AT
HP DisplayPort Cable Kit	VN567AA
HP DisplayPort To VGA Adapter	AS615AT
HP DisplayPort to DVI-D Adapter	FH973AA
HP DisplayPort To VGA Adapter	AS615AA

PC Cable Options

HP HDMI Standard Cable	T6F94AA
HP HDMI Standard Cable	T6F94AT

Expansion Solution and Controller Cards

Port Adapters

HP Type-C USB 3.1 Gen2 Port Flex IO	3TK78AT
HP VGA Port Flex IO	3TK80AT
HP Type-C USB 3.1 Gen2 Port Flex IO	3TK78AA
HP HDMI Port Flex IO (400/600/800)	3TK74AA
HP DisplayPort Port Flex IO	3TK72AA
HP DisplayPort Port Flex IO	3TK72AT
HP VGA Port Flex IO	3TK80AA

Rack Brackets/Bezels/ Panels/Rails/ Trays/Mounting

Mounting Kits

HP Quick Release Bracket 2	6KD15AT
HP Quick Release Bracket 2	6KD15AA

Chassis and Chassis Accessories

Brackets/Bezels/Panels

HP B300 Bracket with Power Supply Holder	7DB37AT
HP Dual VESA Sleeve + PWR Supply Holder	7DB36AA
HP DM Power Supply Holder Kit v2	7DB38AA

HP DM Power Supply Holder Kit v2	7DB38AT
HP B300 Bracket with Power Supply Holder	7DB37AA
HP Dual VESA Sleeve + PWR Supply Holder	7DB36AT

Memory

DDR4 Memory

HP 16GB DDR4-2666 SODIMM	3TK84AA
HP 8GB DDR4-2666 SODIMM	3TK88AA
HP 4GB DDR4-2666 SODIMM	3TK86AA
HP 8GB DDR4-2666 SODIMM	3TK88AT
HP 4GB DDR4-2666 SODIMM	3TK86AT
HP 16GB DDR4-2666 SODIMM	3TK84AT

Audio/Multimedia and Communication Devices

Speakers

HP USB Business Speakers v2	N3R89AT
HP USB Business Speakers v2	N3R89AA

Headsets

HP Business Headset v2	T4E61AA
HP Business Headset v2	T4E61AT

PC Drives and Storage

PC Solid State Drives

HP TLC 256 GB SATA SSD	P1N68AT
HP TLC 256 GB SATA SSD	P1N68AA
HP PCIe NVME TLC 256GB SSD M.2 Drive	1CA51AA

Software

Application Software

Desktop Application Software

Microsoft Office 365 Home 6MW78AA	6MW78AA
Microsoft Office 365 Business Premium	6MW80AA
Microsoft Office Home and Student 2019 for PC	6MW81AA
Microsoft Office 365 Personal 6MW79AA	6MW79AA
MS Office Home and Business 2019 for PC 6MW82AA	6MW82AA

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