HP ProDesk 405 G6 Desktop Mini PC (295J8EA)

Overview

Power your business with reliable Desktop Mini PCs

Smaller workspaces demand smaller PCs. The affordably priced HP ProDesk 405 Desktop Mini provides your essential workers with the commercial-grade performance they require in a highly secure and scalable PC with flexible deployment capabilities.

Solid performance and configurability

Performance Power through your day with a solution you can flexibly configure with an AMD Ryzen™ PRO processor[2] and powerful memory.

Built on a secure foundation

Protect your Mini with hardware-enforced solutions like HP BIOSphere Gen6[4], HP Sure Sense, HP Sure Click[6], and HP Manageability Integration Kit.[7]

Expandable capability and capacity

Maximize your PC with robust storage and several ports to connect your devices.

Tested and ready

Rest easy with a reliable PC that goes the distance, is designed to pass 120,000 hours of HP Total Test Process[8] and undergoes MIL-STD 810G testing.[9]

Features

Let nothing stand in your way

Power through your day with Windows 10 Pro and the powerful security, collaboration and connectivity features from HP.[3]

Browse confidently

Help protect your PC from websites and read only Microsoft Office and PDF attachments with embedded malware, ransomware, or viruses with hardware-enforced security from HP Sure Click.[5]

HP Sure Sense

Malware is evolving rapidly and traditional antivirus can't always recognize new attacks. Protect your PC against never-before-seen attacks with HP Sure Sense, which uses deep learning AI to provide exceptional protection against advanced malware.

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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. AMD's numbering is not a measurement of clock speed.

[4] HP BIOSphere Gen6 features may vary depending on configuration.

[6] HP Sure Click requires Windows 10 Pro or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.

[7] HP Manageability Integration Kit can be downloaded from http://www8.hp.com/us/en/ads/clientmanagement/overview.html.

[8] 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 Service.

[9] MIL-STD testing is not intended to demonstrate fitness for U.S. Department of Defense contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.

[3] Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers and/or software 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.

[5] HP Sure Click 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.

Specifications

Form factor	Mini
Operating system	Windows 10 Pro[1] *(Device comes with Windows 10 and a free Windows 11 upgrade or may be preloaded with Windows 11. Upgrade timing may vary by device. Features and app availability may vary by region. Certain features require specific hardware (see Windows 11 Specifications).)*
Processor family	AMD Ryzen™ 5 processor
Processor	AMD Ryzen™ 5 4600GE (3.3 GHz base clock, up to 4.2 GHz max boost clock, 8 MB L3 cache, 6 cores, 12 threads)[6,7]
Chipset	AMD PRO 565
Memory	16 GB DDR4-3200 MHz RAM (1 x 16 GB)
Memory Slots	2 SODIMM
Internal Storage	512 GB PCIe® NVMe™ M.2 SSD
Internal drive bays	One 2.5"
Graphics	Integrated
Graphics (integrated)	AMD Radeon™ Graphics
Audio	Realtek ALC3867 codec, universal audio jack with CTIA headset support, audio line-out rear ports (3.5 mm), multi-streaming capable
Minimum dimensions (W x D x H)	17.7 x 17.5 x 3.4 cm
Weight	1.25 kg *(Exact weight depends on configuration.)*
Keyboard	HP USB wired keyboard
Pointing device	HP USB wired optical mouse
Ports	1 headphone/microphone combo; 1 SuperSpeed USB Type-C® 10Gbps signaling rate; 2 SuperSpeed USB Type-A 5Gbps signaling rate[10,39]
Expansion slots	1 M.2 2230; 1 M.2 2280 *(1 M.2 slot for WLAN and 1 M.2 2280 slot for storage.)*
Ports	1 RJ-45; 1 HDMI 1.4; 1 DisplayPort™ 1.4; 4 SuperSpeed USB Type-A 5Gbps signaling rate
Ports	1 DisplayPort™
Package dimensions (W x D x H)	49.8 x 23.5 x 13.2 cm *(Packaging material used will vary by Country)*
Package weight	3.40 kg *(Packaging material used will vary by Country)*
Network interface type	WLAN
Power	65 W external power adapter, up to 89% efficiency
Ecolabels	EPEAT® registered
Energy star certified	ENERGY STAR® certified

Management features	HP BIOS Config Utility (download); HP Client Catalog (download); HP Driver Packs (download); HP System Software Manager (download); HP Cloud Recovery; HP Management Integration Kit for Microsoft System Center Configuration Management Gen 4; HP Image Assistant Gen 5[11,35,36]
Sustainable impact specifications	Ocean-bound plastic in speaker enclosure; 75% post-consumer recycled plastic; Low Halogen; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable
Security management	Power-on password (via BIOS); SATA port disablement (via BIOS); Setup password (via BIOS); Support for chassis padlocks and cable lock devices; USB enable/disable (via BIOS); Serial enable/disable (via BIOS); HP Secure Erase; HP Sure Click; HP Sure Sense; HP DriveLock and Automatic DriveLock; Trusted Platform Module TPM 2.0 Embedded Security Chip shipped with Windows 10. (Common Criteria EAL4+ Certified); HP BIOsphere Gen6; HP Client Security Manager Gen6[21,23,27,29,37,38]
Software included	HP Noise Cancellation Software; HP Support Assistant; Buy Office (sold separately); HP JumpStarts; HP Desktop Support Utilities; Xerox® DocuShare® 30 day free trial offer[25,40]
UPC number	(ABD) 196068465216; (ACB) 196068925482; (BCM) 196068845483
Manufacturer Warranty	1 year (1/1/1) limited warranty includes 1 year of parts, labor and on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.

Additional specifications

Available software	HP Smart Support[41]
Bluetooth version	Bluetooth® 5.0
Datasheet photo 1	AHID/424c07263dd485073bb91cae9cb6690432810d47
Datasheet photo 2	Publication logos/HP_Care_Pack_RGB_blue_NT.jpg
Datasheet photo 3	AHID/e61a602a99754e5842d15a0597b8d89b833225ba
Datasheet photo 4	AHID/c6c97cd578394664d8d02b0c7c6cc1af4b7fe96f
Datasheet photo 5	AHID/453e9e533d3a2288b1db8d73a43242ad01d4ccce
ECC memory	non-ECC
External I/O ports footnote number	[10]
I/O Port location	Additional
I/O Port location	Front
I/O Port location	Rear
Keyboard connectivity	wired
Keyboard interface	USB
Legal tagline	HP recommends Windows 11 Pro for business
Memory and storage	16 GB memory; 512 GB SSD storage
Memory layout (slots & size)	1 x 16 GB
Memory module type	DIMM
Memory size	16
Memory size uom	GB
Memory speed	3200
Memory speed uom	MHz
Memory type	DDR4
Number of memory slots	1
Operating humidity range	10 to 90% RH
Operating temperature range	10 to 35℃
Processor Brand	AMD
Processor base frequency	3.3
Processor base frequency uom	GHz
Processor cache	8 MB L3
Processor core	6
Processor family	Ryzen™ 5

Processor maximum frequency	4.2
Processor maximum frequency uom	GHz
Processor threads	12
Product brand name	HP
Product long name specifications	HP ProDesk 405 G6 Desktop Mini PC, Windows 10 Pro, AMD Ryzen™ 5, 16GB RAM, 512GB SSD
Sales office and telephone number	Albania: +49 89 9396 1803; Algeria: +213 (0) 61 68 23 00; Austria: +43 (0) 810 00 60 80; Bahrain: 800 171; Belgium: +32 (02) 729 71 11; Bulgaria: +359 2 969 87; Bosnia-Herzegovina: +49 89 9396 1803; Commonwealth of Independent States (CIS): +(095) 923 50 01; Croatia: +385 1 606 02 00; Czech Republic: +420 261 108 108; Denmark: +45 48 12 10 00; HP East Africa, Authorized Consultant: +254 20 27 16 111; Egypt: HP +202 792 5070 ; Estonia: +372 6 813 820; Finland: HP Myyntipalvelu 010 217 2700; France: +33 (0) 826 800 400; Germany: +49 (0) 180 532 62 22; Greece: +30 801 11 22 55 47; Hungary: +36 (1) 382 11 11; Iceland: +354 (1) 67 10 00; Ireland: +353 1 615 82 00; Israel: +972 9 830 48 48; Italy: Prodotti +39 02 92607 330, Servizio HP Care Pack: +39 02 9212 2040; Kazakhstan & Kyrgyzstan: +7 327 2 58 43 43; Latvia: +371 703 07 00; Lithuania: +370 5 2103 300; Luxembourg : (+352) 263 160 34 Macedonia: +49 89 9396 1803; Malta: +49 89 9396 1803; Middle East (Within UAE Toll Free): 800 45 20; Moldova: +49 89 9396 1803; Morocco (African Region): Call Centre +212 22 40 47 47, HP Sale Office +212 22 97 37 37/+212 22 43 64 00; Netherlands: 0800 266 7272; Nigeria: + 234 13 205 241/3; Norway: +47 24 09 70 00; Poland: 0 801 522 622 and/or 00 48 22 565 77 00 (calls are charged at national rates); Portugal: +351 808 200 808 (end user welcome desk for commercial products) ; Romania: +40 (21) 303 83 00; Saudi Arabia: (Toll free) 800 897 14 33, Office Number: +96612731200; Serbia and Montenegro: +381 11 201 99 00; Slovakia: 0800 147 147; Slovenia: +386 1 230 74 20; Spain: +34 (91) 631 16 00; Sweden: +46 200 27 00 00; Switzerland: Pre-sales/product information +41 (0) 848 88 44 66, Spare parts, manuals +41 (0) 848 84 74 64; Tunisia: +216 1 89 12 22; Turkey: +90 (212) 444 79 79; UAE (Toll Free): 800 45 20; UAE (Toll Free): 800 45 20 or 800 49 10; Ukraine: +380 44 490 61 20 ; United Kingdom: HP Teleweb Glasgow +44 (0) 845 270 40 00
Standard memory note	Transfer rates up to 3200 MT/s.
Storage capacity	512
Storage capacity uom 01	GB
Storage form factor 01	M.2
Storage interface 01	PCIe®
Storage interface protocol 01	NVMe™
Storage type	SSD
Storage type 01	SSD
UNSPSC code	43211507
Wireless Model	Wi-Fi 6 AX200
Wireless antenna	2x2
Wireless standard	Wi-Fi 6
Wireless supplier	Intel®

Wireless transfer speeds	Supporting Gigabit file transfer speeds
vPro enabled	non-vPro®

[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 is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com.

[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. AMD's numbering is not a measurement of clock speed.

[7] Max Boost clock frequency performance varies depending on hardware, software and overall system configuration.

[10] 2 front and 2 rear SuperSpeed USB Type-A 5Gbps signaling rate ports, will be upgraded to SuperSpeed USB Type-A 10Gbps signaling rate ports if system is configured with AMD Ryzen™ 4000 series processors.

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

[21] HP BIOSphere Gen6 is available on select HP Pro and Elite PCs. See product specifications for details. Features may vary depending on the platform and configurations.

[23] Secure Erase for the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method.

[25] HP Support Assistant requires Windows and Internet access.

[27] HP Client Security Manager Gen6 requires Windows and is available on the select HP Elite and Pro PCs.

[29] HP Sure Click requires Windows 10 Pro or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.

[35] 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.

[36] HP Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement.

[37] HP Sure Sense requires Windows 10 Pro or Enterprise.

[38] Storage Drivelock does not work with Self Encrypting or Optane™ based storage.

[39] headphone/microphone combo OMTP and CTIA.

[40] Simply sign up and start using Xerox® DocuShare® Go. No credit card. No obligation. Data will become unavailable unless a subscription is entered before the end of the 30 day free trial period. See visit www.xerox.com/docusharego for details.

[41] HP Smart Support automatically collects the telemetry necessary upon initial boot of the product to deliver device-level configuration data and health insights and is available preinstalled on select products, thru HP Factory Configuration Services; or it can be downloaded. For more information about how to enable HP Smart Support or for download, please visit http://www.hp.com/smart-support

Business Monitors

★ : Recommended

P-Series

HP P24h G4 FHD Monitor	**7VH44AA ★**	
HP P22 G4 22 FHD Monitor	1A7E4AA	
HP P22h G4 FHD Monitor	7UZ36AA	
HP P22h G4 FHD Monitor	7UZ36AT	
HP P22v G4 Monitor	9TT53AA	
HP P24 G4 24 FHD Monitor	1A7E5AA	
HP P24q G4 QHD Height Adjust Monitor	8MB10AA	
HP P24v G4 Monitor	9TT78AA	
HP P27h G4 FHD Monitor	7VH95AA	
HP P27q G4 QHD Height Adjust Monitor	8MB11AA	
HP P27v G4 Monitor	9TT20AA	

EliteDisplays

HP EliteDisplay E243d 23.8-inch Docking Monitor	**1TJ76AA ★**	obsolete
HP EliteDisplay E190i 48 cm (18.9") 5:4 LED Backlit IPS Monitor (ENERGY STAR)	E4U30AA	obsolete
HP EliteDisplay E243m 60.45 cm (23.8") Monitor	1FH48AA	
HP EliteDisplay E273m 68.58 cm (27") Monitor	1FH51AA	

Z Displays

HP DreamColor Z31x Studio Display	Z4Y82A4	obsolete
HP Z24f G3 FHD Display	3G828AA	
HP Z24n G3 WUXGA Display	1C4Z5AA	
HP Z24u G3 WUXGA USB-C Display	1C4Z6AA	
HP Z25xs G3 QHD USB-C DreamColor Display	1A9C9AA	
HP Z27k G3 4K USB-C Display	1B9T0AA	
HP Z27q G3 QHD Display	1C4Z7AA	
HP Z27u G3 QHD Display	1B9X2AA	
HP Z27xs G3 4K USB-C DreamColor Display	1A9M8AA	
HP Z32 31.5-inch 4K UHD Display	1AA81A4	
HP Z38c 37.5-inch Curved Display	Z4W65A4	

HP Z43 42.5-inch 4K UHD Display	1AA85A4

E-Series

HP E14 G4 Portable Monitor	1B065AA
HP E22 G4 FHD Monitor	9VH72AA
HP E23 G4 FHD Monitor	9VF96AA
HP E24 G4 FHD Monitor	9VF99AA
HP E24i G4 WUXGA Monitor	9VJ40AA
HP E24mv G4 FHD Conferencing Monitor	169L0AA
HP E24q G4 QHD Monitor	9VG12AA
HP E24t G4 FHD Touch Monitor	9VH85AA
HP E24u G4 FHD USB-C Monitor	189T0AA
HP E27 G4 FHD Monitor	9VG71AA
HP E27q G4 QHD Monitor	9VG82AA
HP E27u G4 QHD USB-C Monitor	189T3AA

Healthcare Edition Displays

HP Healthcare Edition HC241 Clinical Review Monitor	3ME68AA	obsolete
HP Healthcare Edition HC241p Clinical Review Monitor	3ME69AA	obsolete

ProDisplays

HP Mini-in-One 24 Display	7AX23AA

Business LCD Monitors

HP P204v 19.5-inch Monitor	5RD66AA

Accessories

PC Modules

★ : Recommended

PC I/O Modules

HP Desktop Mini DVD ODD Module	K9Q83AA ★

Security and Protection

PC Locks

HP Master Keyed Cable Lock 10mm	T1A63AA ★
HP Desktop Mini LockBox V2	3EJ57AA
HP Keyed Cable Lock 10 mm	T1A62AA
HP Sure Key Cable Lock	6UW42AA

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

Mounting Kits

HP Quick Release Bracket 2	6KD15AA ★
HP B250 PC Mounting Bracket	8RA46AA
HP B300 PC Mounting Bracket	2DW53AA
HP B500 PC Mounting Bracket	2DW52AA
HP Desktop Mini Dual VESA Sleeve v3	13L67AA
HP Desktop Mini Dual VESA Sleeve v3 with PSH	13L68AA
HP Desktop Mini Dual VESA Sleeve v3 with PSH	13L68AT
HP Desktop Mini Security/Dual VESA Sleeve v2	13L67AT

Keyboards/Mice and Input Devices

Keyboards

HP USB Business Slim Keyboard	N3R87AA ★	obsolete
HP Business Slim Smartcard Keyboard	Z9H48AA	
HP USB Premium Keyboard	Z9N40AA	
HP USB Premium Keyboard	Z9N40AT	
HP Wireless Premium Keyboard	Z9N41AA	
HP Wireless Premium Keyboard	Z9N41AT	

Mice

HP USB Fingerprint Mouse	**4TS44AA ★**	obsolete
HP USB Fingerprint Mouse	4TS44ET	obsolete
HP Wireless Premium Mouse	1JR31AA	

Keyboard and Mouse Kits

HP USB Keyboard and Mouse Healthcare Edition	1VD81AA

Memory

DDR4 Memory

HP 16GB DDR4-3200 SODIMM	13L75AA	
HP 16GB DDR4-3200 SODIMM	13L75AT	
HP 32GB DDR4-2666 SODIMM	1C919AA	obsolete
HP 32GB DDR4-2666 SODIMM	1C919AT	obsolete
HP 32GB DDR4-3200 SODIMM	13L73AA	
HP 32GB DDR4-3200 SODIMM	13L73AT	
HP 4GB DDR4-3200 SODIMM	13L79AA	
HP 4GB DDR4-3200 SODIMM	13L79AT	
HP 8GB DDR4-3200 SODIMM	13L77AA	
HP 8GB DDR4-3200 SODIMM	13L77AT	

Chassis and Chassis Accessories

Brackets/Bezels/Panels

HP B300 Bracket with Power Supply Holder	7DB37AA
HP DM Power Supply Holder Kit v2	7DB38AA

Cases and Covers

Covers

HP Deskop Mini Port Cover v3	13L69AA

PC Drives and Storage

PC SATA Hard Drives

HP Desktop Mini 2.5-inch SATA Drive Bay kit v2	13L70AA

PC Solid State Drives

HP PCIe NVME TLC 256GB SSD M.2 Drive	1CA51AA
HP PCIe NVME TLC 512GB SSD M.2 Drive	X8U75AA

Batteries/Chargers/Adapters

Power Supplies

HP Desktop Mini 65w Power Supply Kit	L2X04AA
HP Desktop Mini 90w Power Supply Kit	L4R65AA

Cabinets and Stands

PC Stands

HP Desktop Mini Chassis Tower Stand	G1K23AA

Cables/Cable Kits/Cable Adapters

Audio and Video Cables

HP DisplayPort Cable Kit	VN567A6
HP DisplayPort Cable Kit	VN567AA
HP DisplayPort To VGA Adapter	AS615A6
HP DisplayPort To VGA Adapter	AS615AA
HP DisplayPort To VGA Adapter	AS615AT
HP DisplayPort To VGA Adapter	F7W97AA
HP DisplayPort to DVI-D Adapter	FH973AA
HP DisplayPort to DVI-D Adapter	FH973AT
HP DisplayPort to DVI-D Adapter (Bulk 90)	FH973A6
HP DisplayPort to HDMI True 4K Adapter	2JA63AA

PC Cable Options

HP HDMI Standard Cable	T6F94A6
HP HDMI Standard Cable	T6F94AA

Cable Adapters

HP USB-C to DP Adapter	N9K78AA
HP USB-C to USB 3.0 Adapter	N2Z63AA
HP USB-C to USB-A Hub	Z6A00AA
HP USB-C to VGA Adapter	N9K76AA

HP USB-C to VGA Display Adapter	P7Z54AA

Expansion Solution and Controller Cards

Port Adapters

HP DisplayPort Port Flex IO v2	13L54AA
HP HDMI Port Flex IO v2	13L55AA
HP Serial Port Flex IO 2nd v2	13L57AA
HP Serial Port Flex IO v2	13L56AA
HP Type-C USB 3.1 Gen2 Port Flex IO v2	13L59AA
HP Type-C USB 3.1 Gen2 Port with 100W PD v2	13L60AA
HP USB 3.1 Gen1 x2 Module Flex IO v2	13L58AA
HP USB to Serial Port Adapter	J7B60AA
HP VGA Port Flex IO v2	13L53AA

Point of Sales System Options

POS Display Accessories

HP Engage One 10.1-inch Display	1XD80AA
HP Engage One 10.1-inch Touch Display	1XD81AA
HP Engage One W 10.1-inch Display	3FH66AA
HP Engage One W 10.1-inch Touch Display	3FH67AA
HP L5010ta	2KY27AA
HP L7010t 10.1-inch Retail Touch Monitor	T6N30AA
HP L7014 14-inch Retail Monitor	T6N31AA
HP L7014t 14-inch Retail Touch Monitor	T6N32AA
HP L7016t 15.6-inch Retail Touch Monitor	V1X13AA

Audio/Multimedia and Communication Devices

Headsets

HP Stereo 3.5mm Headset	T1A66AA	obsolete

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