

HP Customer Support - Knowledge Base

[Support Home](#)

[Products](#)

[Software and Drivers](#)

[Diagnostics](#)

[Contact Us](#)

[Business Support](#)

[My HP Account](#)

HP ProDesk 480 G6 Microtower Business PC Specifications

[Product image](#)

[Operating systems](#)

[Processors](#)

[Memory](#)

[Graphics](#)

[Storage](#)

[Keyboards/pointing devices](#)

[Networking/communications](#)

[Audio/multimedia](#)

[Ports/slots/bays](#)

[Software/Security](#)

[Power supply](#)

[Physical specifications](#)

[Environmental](#)

Product image



Operating systems

Specification	Description
---------------	-------------

Specification	Description
Pre-installed (Windows)	<p>Windows 10 Pro 64 (National Academic License)</p> <p>NOTE: Some devices for academic use automatically update to Windows 10 Pro Education with the Windows 10 Anniversary Update. Features vary; for more information, see Windows 10 Pro Education features.</p> <p>Windows 10 Pro 64 (recommended by HP)</p> <p>Windows 10 Home 64</p> <p>Windows 10 Enterprise 64 (Web Support)</p> <p>Windows 10 Home Single Language 64</p> <p>NOTE: Not all features are available in all editions or versions of Windows. Systems might require upgraded and/or separately purchased hardware, drivers, software, or BIOS update to take full advantage of Windows functionality. Windows 10 automatic updates are always enabled. ISP fees might apply and additional requirements might apply over time for updates.</p>
Pre-installed (other)	FreeDOS 1.2

NOTE: In accordance with Microsoft support policy, this product does not support Windows 8 or Windows 7. HP does not support the Windows 8 or Windows 7 operating system on products configured with Intel and AMD 7th generation or later processors, or provide any Windows 8 or Windows 7 drivers.

Processors

Specification	Description
---------------	-------------

Specification	Description
Intel Core i9-9900 processor	<p>65 W</p> <p>Up to 4.9 GHz maximum Turbo Frequency (3.1 GHz base frequency)</p> <p>16 MB cache, 8 cores, 16 threads</p> <p>Intel UHD Graphics 630</p> <p>Supports DDR4 memory up to 2666 MT/s data rate</p> <p>Supports Intel vPro Technology and Intel Stable Image Platform Program (SIPP)</p>
Intel Core i7-9700 processor	<p>65 W</p> <p>Up to 4.8 GHz maximum Turbo Frequency (3.0 GHz base frequency)</p> <p>12 MB cache, 8 cores, 8 threads</p> <p>Intel UHD Graphics 630</p> <p>Supports DDR4 memory up to 2666 MT/s data rate</p>
Intel Core i5-9600 processor	<p>65 W</p> <p>Up to 4.6 GHz maximum Turbo Frequency (3.1 GHz base frequency)</p> <p>9 MB cache, 6 cores, 6 threads</p> <p>Intel UHD Graphics 630</p> <p>Supports DDR4 memory up to 2666 MT/s data rate</p>
Intel Core i5-9500 processor	<p>65 W</p> <p>Up to 4.4 GHz maximum Turbo Frequency (3.0 GHz base frequency)</p> <p>9 MB cache, 6 cores, 6 threads</p> <p>Intel UHD Graphics 630</p> <p>Supports DDR4 memory up to 2666 MT/s data rate</p>

Specification	Description
Intel Core i5-9500F processor	<p>65 W</p> <p>Up to 4.4 GHz maximum Turbo Frequency (3.0 GHz base frequency)</p> <p>9 MB cache, 6 cores, 6 threads</p> <p>Supports DDR4 memory up to 2666 MT/s data rate</p>
Intel Core i5-9400F processor	<p>65 W</p> <p>Up to 4.1 GHz maximum Turbo Frequency (2.9 GHz base frequency)</p> <p>9 MB cache, 6 cores, 6 threads</p> <p>Supports DDR4 memory up to 2666 MT/s data rate</p>
Intel Core i3-9100 processor	<p>65 W</p> <p>Up to 4.2 GHz maximum Turbo Frequency (3.6 GHz base frequency)</p> <p>6 MB cache, 4 cores, 4 threads</p> <p>Intel UHD Graphics 630</p> <p>Supports DDR4 memory up to 2400 MT/s data rate</p>
Intel Core i7-8700 processor	<p>65 W</p> <p>Up to 4.6 GHz maximum Turbo Frequency (3.2 GHz base frequency)</p> <p>12 MB cache, 6 cores, 12 threads</p> <p>Intel UHD Graphics 630</p> <p>Supports Intel vPro Technology and Intel Stable Image Platform Program (SIPP)</p> <p>Supports DDR4 memory up to 2666 MT/s data rate</p>

Specification	Description
Intel Core i3-8100 processor	<p>65 W</p> <p>3.6 GHz base frequency</p> <p>6 MB cache, 4 cores, 4 threads</p> <p>Intel UHD Graphics 630</p> <p>Supports DDR4 memory up to 2400 MT/s data rate</p>
Intel Pentium Gold G5620 processor	<p>54 W</p> <p>4.0 GHz base frequency</p> <p>4 MB cache, 2 cores, 4 threads</p> <p>Intel UHD Graphics 630</p> <p>Supports DDR4 memory up to 2400 MT/s data rate</p>
Intel Pentium Gold G5600 processor	<p>54 W</p> <p>3.9 GHz base frequency</p> <p>4 MB cache, 2 cores, 4 threads</p> <p>Intel UHD Graphics 630</p> <p>Supports DDR4 memory up to 2400 MT/s data rate</p>
Intel Pentium Gold G5420 processor	<p>54 W</p> <p>3.8 GHz base frequency</p> <p>4 MB cache, 2 cores, 4 threads</p> <p>Intel UHD Graphics 610</p> <p>Supports DDR4 memory up to 2400 MT/s data rate</p>

Specification	Description
Intel Celeron G4930 Processor	54 W 3.2 GHz base frequency 2 MB cache, 2 cores, 2 threads Intel UHD Graphics 610 Supports DDR4 memory up to 2400 MT/s data rate
Chipset	Intel B360

NOTE: Multicore is designed to improve performance of certain software products. Not all customers or software applications necessarily benefit from use of this technology. 64-bit computing system required. Performance and clock frequency vary depending on application workload and hardware and software configurations. Intel numbering is not a measurement of higher performance. Intel Optane memory (cache) is sold separately. 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.

Memory

Specification	Description
DDR4-2666	Maximum: 64 GB Number of slots: (2) DIMM (both slots are customer accessible/upgradable) Up to 2666 MT/s

Specification	Description
Configurations	4 GB total system memory (4 GB x 1)
	8 GB total system memory (4 GB x 2)
	8 GB total system memory (8 GB x 1)
	16 GB total system memory (8 GB x 2)
	16 GB total system memory (16 GB x 1)
	32 GB total system memory (16 GB x 2)
	32 GB total system memory (32 GB x 1)
	64 GB total system memory (32 GB x 2)

NOTE: Addressing memory above 4 GB requires a 64-bit operating system. With Windows 32-bit operating systems, the amount of usable memory is dependent upon the configuration, therefore above 3 GB, all memory might not be available due to system resource requirements. Memory modules support data transfer rates up to 2666 MT/s; actual data rate is determined by the system configured processor. See processor specifications for supported memory data rate.

Graphics

Specification	Description
---------------	-------------

Specification	Description
Intel HD Graphics (Integrated)	<p>Intel UHD Graphics 630</p> <p>9th Gen:</p> <p>Intel Core i9 processor</p> <p>Intel Core i7 processor</p> <p>Intel Core i5 processor</p> <p>Intel Core i3 processor</p> <p>Intel Pentium Gold G5620 and G5600</p> <p>8th Gen:</p> <p>Intel Core i7 processor</p> <p>Intel Core i3 processor</p> <p>Intel UHD Graphics 610</p> <p>Intel Pentium Gold G5420</p> <p>Intel Celeron G4930</p>
Optional Discrete graphics	<p>AMD Radeon R7 430 2 GB, 2 DisplayPort (DP)</p> <p>AMD Radeon R7 430 2 GB, DP and VGA</p> <p>AMD Radeon RX550X 4 GB DP and HDMI</p> <p>NVIDIA GeForce GT730 2 GB DP and DVI</p>
Adapters and cables	<p>HP DisplayPort to DVI-D Adapter</p> <p>HP DisplayPort to HDMI True 4K Adapter</p> <p>HP DisplayPort to VGA Adapter</p> <p>HP USB to Serial Port Adapter</p> <p>HP Type-C to DisplayPort Adapter</p> <p>HP DisplayPort Cable</p>

Storage

Specification	Description
SATA drives	<p>500 GB, 7.2 K rpm, 8.89 cm (3.5 in)</p> <p>1 TB, 7.2 K rpm, 8.89 cm (3.5 in)</p> <p>2 TB, 7.2 K rpm, 8.89 cm (3.5 in)</p> <p>500 GB, 7.2 K rpm, SATA 6.0 Gb/s, 6.35 cm (2.5 in)</p> <p>1 TB, 7.2 K rpm, SATA 6.0 Gb/s, 6.35 cm (2.5 in)</p> <p>500 GB, 7.2 rpm, SATA, Encrypted Opal 2, 6.35 cm (2.5 in)</p> <p>500 GB, 7.2 rpm, SATA, Self Encrypted Federal Information Processing Standard, 6.35 cm (2.5 in)</p>
Solid State Drives (SSD)	<p>256 GB, SATA 3 (6.0 Gb/s), 6.35 cm (2.5 in), TLC SSD</p> <p>512 GB, SATA 3 (6.0 Gb/s), 6.35 cm (2.5 in), TLC SSD</p> <p>256 GB, SATA (6.0 Gb/s), 6.35 cm (2.5 in), TLC SED Opal 2</p> <p>512 GB, SATA (6.0 Gb/s), 6.35 cm (2.5 in), TLC SED Opal 2</p> <p>256 GB, SATA (6.0 Gb/s), 6.35 cm (2.5 in), SED FIPS</p> <p>512 GB, SATA (6.0 Gb/s), 6.35 cm (2.5 in), SED FIPS</p>
PCIe NVMe TLC SSD drives	<p>256 GB M.2 2280 PCIe NVMe SSD</p> <p>512 GB M.2 2280 PCIe NVMe SSD</p> <p>128 GB M.2 2280 PCIe NVMe TLC SSD</p> <p>256 GB M.2 2280 PCIe NVMe TLC SSD</p> <p>512 GB M.2 2280 PCIe NVMe TLC SSD</p> <p>256 GB M.2 2280 PCIe NVMe Self Encrypted Opal 2 TLC SSD</p> <p>512 GB M.2 2280 PCIe NVMe Self Encrypted Opal 2 TLC SSD</p>

Specification	Description
Optical disc drives	<p>HP 9.5 mm (0.37 in) Slim DVD Writer</p> <p>HP 9.5 mm (0.37 in) Slim DVD-ROM</p> <p>HP 9.5 mm (0.37 in) Slim Blu-Ray Writer</p>
Media card reader (optional)	<p>SD 3.0 with 4-in-1 interface</p> <p>Supports SD, SDXC, SDHC, UHS-I</p> <p>NOTE: Card sold separately.</p>

NOTE: For hard drives and solid state drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB of system disk is reserved for the system recovery software.

Keyboards/pointing devices

Specification	Description
Keyboards	<p>HP PS/2 Business Slim Standalone Wired Keyboard</p> <p>HP USB Business Slim Standalone Wired Keyboard</p> <p>HP USB Business Slim Wired SmartCard CCID Keyboard</p> <p>HP USB & PS/2 Washable Standalone Wired Keyboard</p> <p>HP Premium Standalone Wireless Keyboard</p> <p>HP Collaboration Wireless Keyboard</p> <p>HP USB Collaboration Wired Keyboard</p> <p>HP USB Conferencing Wired Keyboard</p> <p>HP USB Wired Keyboard</p> <p>HP USB Value Keyboard</p>

Specification	Description
Mice	<p>HP USB Universal Wired Mouse</p> <p>HP PS/2 Mouse</p> <p>HP USB Optical Mouse</p> <p>HP USB Hardened Mouse</p> <p>HP USB 1000dpi Laser Mouse</p> <p>HP USB & PS/2 Washable Wired Mouse Standalone</p> <p>HP USB Premium Wired Mouse</p> <p>HP USB Fingerprint Reader Wired Mouse</p>
Combos	<p>HP Premium Wireless Keyboard and Mouse</p> <p>HP Premium USB Wired Keyboard and Mouse</p> <p>HP Business Slim Wireless Keyboard and Mouse</p> <p>HP USB Keyboard and Mouse Healthcare Edition</p> <p>HP USB PS/2 Washable Keyboard and Mouse Wired</p>

NOTE: Availability might vary by country/region.

Networking/communications

Specification	Description
Ethernet (RJ-45)	<p>Integrated</p> <p>Realtek RTL8111HSH-CG Gigabit Network (GbE) connection (standard)</p> <p>Optional</p> <p>Intel Ethernet I210-T1 PCIe x1 Gigabit Network Interface Card</p>

Specification	Description
Wireless LAN (optional)	<p>Intel 9560 802.11ac 2x2 with Bluetooth M.2 Combo Card non-vPro</p> <p>Realtek RTL8821CE 802.11ac 1x1 with Bluetooth M.2 Combo Card</p> <p>Realtek RTL8822BE 802.11ac 2x2 with Bluetooth M.2 Combo Card</p> <p>NOTE: Wireless access point and Internet service required and not included. Availability of public wireless access points limited.</p>

Audio/multimedia

Feature	Description
Audio (integrated)	<p>Conexant CX20632</p> <p>2 W class D mono amplifier for the internal speaker only</p> <p>(1) Headset connector supports a CTIA style headset and is retaskable as a Line-in, Line-out, Microphone-in or Headphone-out port (front)</p> <p>(1) Line-out (rear)</p> <p>(1) Line-in (rear)</p> <p>All ports are 3.5 mm and support stereo</p>

Ports/slots/bays

Specification	Description
---------------	-------------

Specification	Description
Ports	<p>Standard</p> <ul style="list-style-type: none"> (4) USB 2.0 (rear) (4) USB 3.1 Gen 1 (front) (1) USB Type-C 3.1 Gen 2 (charging supported up to 15 W) (1) DisplayPort 1.2 (rear) (1) VGA (rear) (1) configurable video port (optional) (rear) (Choice of DisplayPort 1.2, HDMI 2.0, VGA, or USB Type-C with DisplayPort output) (1) Headset (front) (1) Audio line-in (rear) (1) Audio line-out (rear) (1) RJ-45 Ethernet (rear) (2) Optional Serial RS-232 (rear) (1) PCI Express 3.0 x16 (internal) (1) PCI (1) PCI Express 3.0 x1 (internal) (3) SATA port
Expansion slots	<ul style="list-style-type: none"> (1) M.2 PCIe x1 2230 (for WLAN) (1) M.2 PCIe x4 2280/2230 Combo (for storage)
Bays	<ul style="list-style-type: none"> (1) 6.35 cm (2.5 in) internal storage drive (2) 8.89 cm (3.5 in) internal storage drive <p>NOTE: Configured either as (1) 3.5-in internal storage drive bay or (1) 2.5-in internal storage drive bay and (1) 3.5-in internal storage drive bay.</p>

Specification	Description
Optical disc drive	(1) 0.9 cm (0.35 in) Slim optical disc drive (ODD)
Media card reader	(1) Secure Digital (SD) Card reader

Software/Security

Specification	Description
BIOS	<p>HP BIOSphere Gen5</p> <p>HP DriveLock/HP Automatic DriveLock</p> <p>BIOS Update via Network</p> <p>Power On Authentication</p> <p>Master Boot Record Security</p> <p>Secure Erase (methods outlined in the National Institute of Standards and Technology Special Publication 800-88)</p> <p>Absolute Persistence Module¹</p> <p>Pre-boot Authentication</p>
HP Value Add Software	<p>HP Hotkey Support</p> <p>HP Jumpstart</p> <p>HP Support Assistant (requires Windows and internet access)</p> <p>HP Noise Cancellation Software</p> <p>HP Sure Click</p> <p>HP Privacy Settings</p> <p>HP Setup Integrated OOBE</p>

Specification	Description
Microsoft Products	Buy Office (sold separately)
Manageability	<p>HP System Software Manager (SSM) (available for download)</p> <p>HP Driver Packs (available for download)</p> <p>HP BIOS Configuration Utility (BCU) (available for download)</p>
Client Security software	<p>Microsoft Defender</p> <p>HP Power On Authentication</p> <p>HP Client Security Manager Gen5 (requires Windows)</p> <p>HP Manageability Integration Kit Gen3</p> <p>HP Image Assistant Gen4</p>
Security	<p>Power-on password (via BIOS)</p> <p>Setup password (via BIOS)</p> <p>USB enable/disable (via BIOS)</p> <p>Integrated hood sensor</p> <p>Chassis padlocks</p> <p>Serial, USB enable/disable (via BIOS)</p>

NOTE: ¹Absolute agent is 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. 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.

NOTE: HP Cloud Recovery download tool (Cloud Recovery Client) is available under Software and Drivers section on the support page.

Power supply

Specification	Description
80 PLUS Gold	<p>180 W active PFC/80 PLUS Gold</p> <p>87/90/87% efficient at 20/50/100% load (115 V)</p> <p>310 W active PFC/80 PLUS Gold</p> <p>87/90/87% efficient at 20/50/100% load (115 V)</p>
80 PLUS Platinum	<p>250 W active PFC/80 PLUS Platinum</p> <p>90/92/89% efficient at 20/50/100% load (115 V)</p> <p>91/93/90% efficient at 20/50/100% load (230 V)</p>
Operating voltage range	90 - 264 VAC
Rated voltage range	100 - 240 VAC
Rated line frequency	50 - 60 Hz
Operating line frequency	47 - 63 Hz
DC output	12 V

Specification	Description
Current leakage (NFPA 99: 2102)	<p>Less than 500 μA of leakage current at 264 Vac with the ground wire disconnected, as required for Non-patient electrical appliances and equipment used in a patient care facility or that contact patients in normal use. Per section 10.3.5.1.</p> <p>Less than 100 μA of leakage current at 264 Vac with the ground wire intact with normal polarity, as required for Non-patient electrical appliances and equipment used in a patient care facility or that contact patients in normal use. Per section 10.3.5.1.</p>
Power supply fan	70 mm variable speed
Power cord	1.83 m (6.0 ft)

Physical specifications

Specification	Description
Chassis (W x D x H)	170.0 x 274.0 x 338.0 mm (6.69 x 10.79 x 13.3 in)
System volume	<p>960 cu in</p> <p>15.74 L</p>
System weight	5.47 kg (12.06 lb)
Maximum supported weight (desktop orientation)	35 kg (77.16 lb)
Packaged (W x D x H)	390.0 x 298.0 x 499.0 mm (15.35 x 11.73 x 19.65 in)

Specification	Description
Shipping weight	9.2 kg (20.28 lb)

Environmental

Specification	Description
ENERGY STAR	Certified models available
EPEAT	Registered where applicable/supported NOTE: Registration status varies by country/region.
TAA compliance	TAA compliant models available