

HP 280 G5 Small Form Factor PC



Maximize your investment

Take on your everyday work at an affordable price with the HP 280 SFF. Get the reliable computing power you need while minimizing the total cost of ownership—now that's a smart investment.



HP recommends Windows 10 Pro for business

- 2TB hard drive²

Powered up processing

- Keep up with daily tasks with performance from a 10th Gen Intel® Core™ processor³, optional NVIDIA® or AMD discrete graphics⁴, up to 64GB DDR4 memory⁴, and slots for future growth.

Expansion for the future

- Up to three bays and two full-height slots, including PCIe x16 and PCIe x1 slots, provide expandability for the future. USB ports, serial ports, and legacy ports help ensure broad compatibility with existing technology.

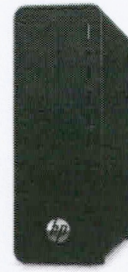
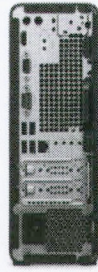
Help keep data safe

- Help protect your investment and your data with firmware TPM, HP DriveLock, and a physical security lock. Additional security is provided by an optional intrusion sensor and an integrated cable lock system to secure your cabled devices.

Ready for work

- The HP 280 SFF provides a powerful PC with the features you need to accomplish your everyday tasks.
- Help secure the future of your business. PCs from HP make the most of Windows 10 Pro to protect you from today's security threats and maximize management and productivity features for business.¹
- Help keep unauthorized users from accessing data on your primary drive. Prevent your primary drive from running without entering a password using HP DriveLock.
- Spend less time and get right to the updates you need with HP Support Assistant.
- Help secure your PC with a physical security lock, an intrusion sensor, and an integrated accessory cable lock to secure your cabled mouse and keyboard on the HP 280 SFF.
- The high-efficiency power supply and molded-pulp packaging reinforces the commitment to sustainable products.

HP Z80 G5 Small Form Factor PC Specifications Table



Available Operating Systems	Windows 10 Pro 64 – HP recommends Windows 10 Pro for business ¹ Windows 10 Home 64 ¹ FreeDOS
Processor family¹⁶	10th Generation Intel® Core™ i3 processor (i3-10100); 10th Generation Intel® Core™ i5 processor (i5-10400, i5-10500); 10th Generation Intel® Core™ i7 processor (i7-10700); Intel® Celeron® processor (G5900 is Windows 10 only); Intel® Pentium® Gold processor (G6400, G6600 are Windows 10 only)
Available Processors^{2,7,23,26}	Intel® Celeron® G5900 with Intel® UHD Graphics 610 (3.4 GHz base frequency, 2 MB L3 cache, 2 cores) Intel® Core™ i3-10100 with Intel® UHD Graphics 630 (3.6 GHz base frequency, 6 MB L3 cache, 4 cores) Intel® Core™ i5-10400 with Intel® UHD Graphics 630 (2.9 GHz base frequency, 12 MB L3 cache, 6 cores) Intel® Core™ i5-10500 with Intel® UHD Graphics 630 (3.1 GHz base frequency, 12 MB L3 cache, 6 cores) supports Intel® vPro™ Technology Intel® Pentium® Gold G6400 with Intel® UHD Graphics 610 (4 GHz base frequency, 4 MB L3 cache, 2 cores) Intel® Pentium® Gold G6600 with Intel® UHD Graphics 630 (4.2 GHz base frequency, 4 MB L3 cache, 2 cores) Intel® Core™ i7-10700 with Intel® UHD Graphics 630 (2.9 GHz base frequency, 16 MB L3 cache, 8 cores) supports Intel® vPro™ Technology
Chipset⁷	Intel® B460
Form factor	Small form factor
Maximum memory	64 GB DDR4-2933 SDRAM ³ Transfer rates up to 2933 MT/s.
Memory slots	2 DIMM
Internal storage	500 GB up to 2 TB 7200 rpm SATA HDD ⁶ 128 GB up to 512 GB M.2 PCIe® NVMe™ SSD ⁶
Storage acceleration²⁸	16 GB NVMe™ Intel® Optane™ Memory for storage acceleration
Optical drive⁸	HP 9.5 mm Slim DVD-ROM; HP 9.5 mm Slim DVD-Writer
Available Graphics	Integrated: Intel® UHD Graphics 630; Intel® UHD Graphics 610 ^{3,4} Discrete: AMD Radeon™ R7 430 Graphics (2 GB GDDR5 dedicated) ^{3,4}
Audio	Realtek ALC3601 codec, combo microphone/headphone jack, HD audio
Expansion slots	1 PCIe x1; 1 PCIe x16; 2 M.2; One 3-in-1 SD card reader ^{10,25} (1 M.2 slot for WLAN and 1 M.2 2242/2280 slot for storage.)
Ports and Connectors	Front: 1 3-in-1 SD card reader; 1 headphone/microphone combo; 4 SuperSpeed USB 5Gbps signaling rate ¹⁵ Rear: 1 HDMI; 1 line in; 1 line out; 1 power connector; 1 RJ-45; 1 serial; 1 VGA; 4 USB 2.0
Optional Ports	1 PS/2; 1 parallel; 1 4x serial ^{12,22}
Available Keyboards^{17,18}	HP USB Keyboard; USB Business Slim Wired Keyboard; USB Wired Business Slim Antimicrobial Keyboard
Available Pointing Devices^{14,18,20}	HP USB Optical Mouse; USB Antimicrobial Mouse; Universal USB wired optical mouse; USB Hardened Mouse
LAN Network Interface	Integrated 10/100/1000M GbE
WLAN^{7,9}	Realtek 802.11 a/b/g/n/ac (1x1) and Bluetooth® 4.2 Combo
Drive Bays	One 3.5" HDD convertible to two 2.5" SSD with caddy
Environmental	Operating temperature: 0 to 40°C; Operating humidity: 10 to 90% RH
Software¹¹	Bring search for IE11; Buy Office (sold separately); HP Audio Switch; HP Documentation; HP JumpStarts; HP Setup Integrated OOBE Win10; HP Support Assistant; HP System Event Utility; McAfee LiveSafe™
Security management^{19,21,27}	Integrated accessories cable lock; Intrusion detector; Lock slot; Trusted Platform Module (TPM) 2.0 (via firmware)
Power²⁴	180 W internal power supply, up to 85% efficiency, active PFC; 180 W internal power supply, up to 90% efficiency, active PFC
Dimensions	3.74 x 11.93 x 10.63 in; 9.5 x 30.3 x 27 cm (System dimensions may fluctuate due to configuration and manufacturing variances.)
Weight	9.2 lb; 4.2 kg (Configured with 1 HDD and 1 ODD. Weight will vary by configuration.)
Energy efficiency compliance	CECP; SEPA; CEL; FCC; RoHS; CCC; CE

processors or provide any Windows 8 or Windows 7 drivers on <http://www.support.hp.com>

¹⁷ USB Wired Business Slim Antimicrobial Keyboard: China only.

¹⁸ Keyboards and mice are optional or add-on features.

¹⁹ Security cable lock supported (sold separately).

²⁰ USB Hardened Mouse: for APJ only.

²¹ Intrusion detector is optional.

²² Optional Parallel Port: optional via PCIe x1 slot.

²³ 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.

²⁴ 180 W internal power supply, up to 85% efficiency, active PFC, for specific regions only.

²⁵ 4 serial port: optional via PCIe slot, and only available for specific region.

²⁶ 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 dependent on 3rd party software providers. Compatibility with future "virtual appliances" is yet to be determined.

²⁷ Physical cable lock for better cable management.

²⁸ 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.

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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 For hard drives, GB = 1 billion bytes; TB = 1 trillion bytes. Actual formatted capacity is less. Up to 36GB of system disk (for Windows 10) is reserved for system recovery software.
- ³ Multicore 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.

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>.
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- ³ HD content required to view HD images.
- ⁴ Integrated Intel Wi-Di software is available on select models only and requires separately purchased projector, tv or computer monitor with an integrated or external Wi-Di receiver. External Wi-Di receivers connect to the projector, tv or computer monitor via a standard VGA, HDMI cable, also sold separately.
- ⁵ 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 2933 MT/s; actual data rate is determined by the system's configured processor. See processor specifications for supported memory data rate.
- ⁶ For hard drives and solid state drives, GB = 1 billion bytes; TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 10) of system disk is reserved for the system recovery software.
- ⁷ 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>.
- ⁸ Optical drives are optional or add-on features. Duplication of copyrighted material is strictly prohibited. Actual speeds may vary. Double Layer media compatibility will widely vary with some home DVD players and DVD-ROM drives.
- ⁹ Wireless cards are optional or add-on features and requires separately purchased wireless access point and internet service. Availability of public wireless access points limited.
- ¹⁰ (1) PCI Express x16 graphics connector, (1) PCI Express x1 accessory connector.
- ¹¹ McAfee LiveSafe™ subscription required.
- ¹² 1 PS/2 is optional.
- ¹⁴ Antimicrobial USB Mouse: Only China.
- ¹⁵ SuperSpeed USB 5 Gbps = USB 3.2 Gen 1.
- ¹⁶ 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® 8th generation and forward processors or provide any Windows 8 or Windows 7 drivers on <http://www.support.hp.com>.
- ¹⁷ USB Wired Business Slim Antimicrobial Keyboard: China only.
- ¹⁸ Keyboards and mice are optional or add-on features.
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- ²⁰ USB Hardened Mouse: for APJ only.
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- ²² Optional Parallel Port: optional via PCIe x1 slot.
- ²³ 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.
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4AA7-7617, 2020 July 14



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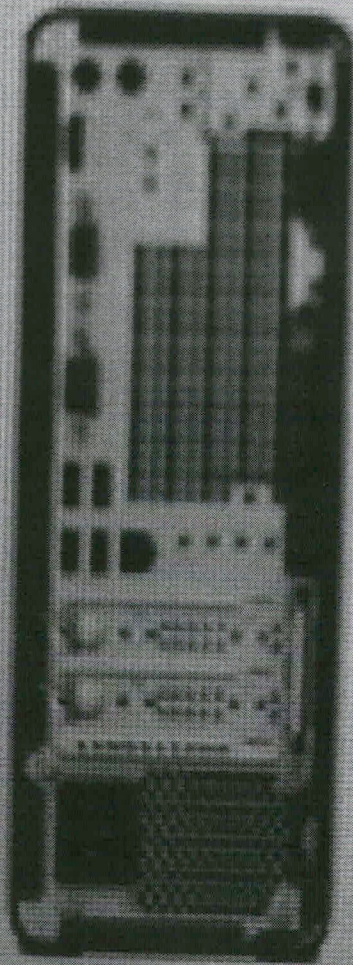
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Descarregando em 30 de out de 2022

Preço de tabela R\$ 3.433,60

HP recomm

ifications Table



recommends Windows 10 Pro for business¹

Processor (E3-10100): 10th Generation

Item 20

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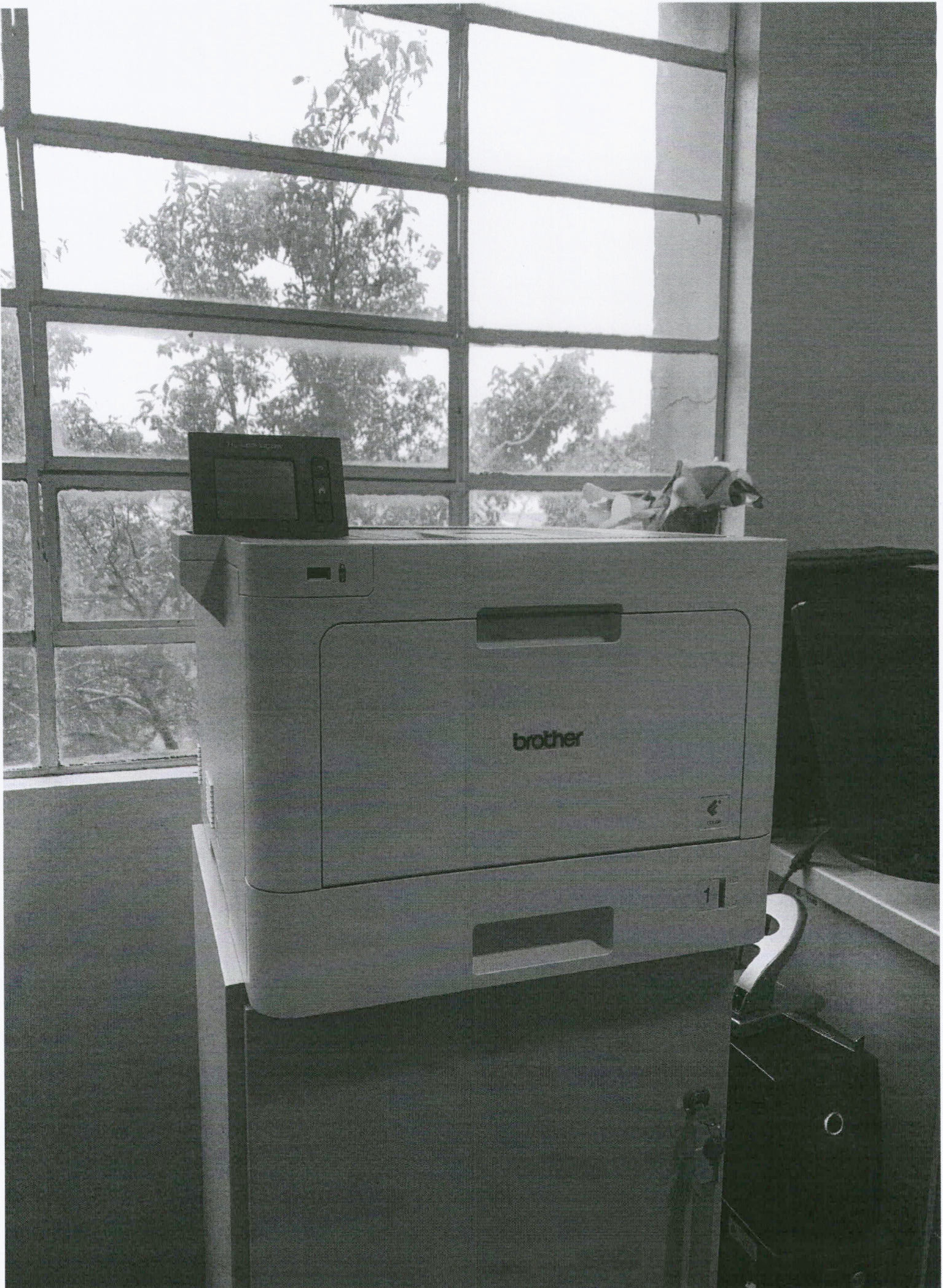
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Item 30

