eDatasheet

HP Z1 Entry Tower G5 (7RQ44UT)

Step up to our most affordable Z desktop.

World-class performance is now within reach with a desktop certified for pro software. From entry 2D/3D CAD design to VR content creation, you gain speed and efficiency in your professional workflows. Go beyond a business PC. Upgrade to a Z.



HP recommends Windows 10 Pro.

Pick the perfect components for the work you do
Designing with pro software like Autodesk and SolidWorks? Choose a certified NVIDIA Quadro® graphics card[1] for optimized performance. Or creating for virtual reality? Opt for a NVIDIA GeForce® GTX graphics card[1] and be VR-ready from the start.

Optimize your pro software performance
Work confidently knowing your desktop is tested and certified for your most critical applications. We've worked closely with leading software providers so you can get seamless and reliable performance at every stage of your workflow.

Safeguard your data. Protect your privacy.
Advanced security features come standard on every Z1 Entry Tower. System safeguards like HP Client Security Manager Gen4[2] and HP Sure Start Gen4[3] - the industry's first self-healing BIOS - mean your device is locked down tight, so your data and identity are too.

Specifications

Form factor	Tower
Chipset	Intel® Q370
Memory Slots	4 DIMM
Internal drive bays	One 2.5" HDD; Two 3.5" HDD
External drive bays	1 slim optical drive bay; One 5.25" ODD
Minimum dimensions (W x D x H)	15.4 x 37 x 36.5 cm
Minimum dimensions (W x D x H)	6.1 x 14.6 x 14.4 in
Weight	9.86 kg *(Exact weight depends on configuration.)*
Weight	21.73 lb *(Exact weight depends on configuration.)*
Ports	1 audio-in; 1 audio-out; 1 power connector; 1 RJ-45; 1 serial; 2 DisplayPort™ 1.2; 2 USB 2.0; 2 USB 3.1 Gen 1; 2 USB 3.1 Gen 2[18,19]
Expansion slots	1 M.2 2230; 1 PCIe 3 x16; 2 PCIe 3 x1; 1 PCIe 3 x16 (wired as x4); 2 M.2 2230/2280 *(1 M.2 slot for WLAN and 2 M.2 2230/2280 slot for storage.)*
Ports	1 headphone; 1 headset connector; 1 USB 2.0; 2 USB 3.1 Gen 2; 1 USB 2.0 (fast charging); 1 USB 3.1 Type-C™ (charging)
Ports	1 DisplayPort™ 1.2; 1 HDMI 2.0; 1 serial; 1 VGA; 1 USB 3.1 Type-C™ Gen 1 (DisplayPort™)
Power	250 W internal power supply, up to 92% efficiency, active PFC; 500 W internal power adapter, up to 92% efficiency, active PFC
Environmental	Low halogen
Security management	Removable media write/boot control; DriveLock; HP BIOSphere; HP Password Manager; HP Power On Authentication; Intel® Identity Protection Technology (Intel® IPT); Power-on password (via BIOS); RAID configurations; SATA port disablement (via BIOS); Setup password (via BIOS); Support for chassis padlocks and cable lock devices; USB enable/disable (via BIOS); Solenoid lock and hood sensor; HP Client Security Suite Gen 4; HP Sure Start Gen 4; HP Sure Run; Parallel enable/disable (via BIOS); Serial enable/disable (via BIOS); Trusted Platform Module TPM 2.0 Embedded Security Chip shipped with Windows 10 (Common Criteria EAL4+ Certified)(FIPS 140-2 Level 2 Certified)[11,29,30,31,32,33,34,35,36]

Accessories and services

No Recommended Accessories and Services

Messaging Footnotes

[1] Sold separately or as an add-on feature.

[2] HP Client Security Manager Gen4 requires Windows and Intel® or AMD 8th generation processors.

[3] HP Sure Start Gen4 is available on HP Elite and HP Workstation products equipped with 8th generation Intel® or AMD processors.

Technical Specifications Footnotes

[11] HP BIOSphere Gen4: Requires Intel® or AMD 8th Gen processors. Features may vary depending on the platform and configurations.

[18] (2) USB 3.1 Gen 1 (5 Gbit/s): allows for wake from S4/S5 with keyboard/mouse when connected and enabled in BIOS.

[19] The TWR can support a single graphics card up to 75W. When configured with dual graphics cards support is limited to 35W for each.

[29] HP Client Security Suite Gen 4: Requires Windows and Intel® or AMD 8th generation processors.

[30] 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.

[31] Microsoft Defender: Opt in and internet connection required for updates.

[32] HP Sure Start Gen4: Is available on HP Elite and HP Workstation products equipped with Intel® 8th generation processors.

[33] Firmware TPM: Is version 2.0. Hardware TPM is v1.2, which is a subset of the TPM 2.0 specification version v0.89 as implemented by Intel Platform Trust Technology (PTT).

[34] RAID configuration: Is optional and does require a second hard drive.

[35] HP Sure Run: Is available on HP Elite and HP Workstation products equipped with 8th generation Intel® or AMD processors.

[36] Intel® Identity Protection Technology (Intel® IPT): Models configured with Intel® Core™ processors have the ability to utilize advanced security protection for online transactions. Intel® Identity Protection Technology (Intel® IPT), used in conjunction with participating web sites, provides double identity authentication by adding a hardware component in addition to the usual user name and password. Intel® Identity Protection Technology (Intel® IPT) is initialized through an HP Client Security module.

© Copyright 2019 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.