HP Z2 Tower G9 Workstation (6E1Z0PA)
Active as of 14/03/2022

Overview

Pro-power. Today and tomorrow

Experience a whole new level of performance for your professional workflow. The Z2 Tower is engineered to seamlessly run multi-threaded apps for fast rendering, simulation, and now real-time ray tracing. And when your demands change, you have impressive expandability to upgrade.

Your new benchmark for entry workstation power

Designed for zero throttling so you can render, simulate, and real-time ray trace without overheating or lags.

ISV Certified

Work with confidence knowing your PC is certified with leading software applications to ensure peak performance [3]

Built to expand. Power to grow

With room to expand and tool-less access, you can easily upgrade and add components as your needs evolve.

Specifications

Operating system
Windows 10 Pro (available through downgrade rights from Windows 11 Pro) [1,2] 1

Processor family
12th Generation Intel® Core™ i7 processor

Processor
Intel® Core™ i7-12700 (up to 4.9 GHz with Intel® Turbo Boost Technology, 25 MB L3 cache, 12 cores, 20 threads) [6,7] 1

Management features
HP Driver Packs; HP Management Integration Kit for Microsoft System Center Configuration Management Gen4; HP System Software Manager (download); HP BIOS Configuration Utility (download)

Sustainable impact specifications
Ocean-bound plastic in speaker enclosure; 45% post-consumer recycled plastic; 25% ITE-derived closed loop plastic; Bulk packaging available; 80 Plus® Gold power supplies available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Ocean-bound plastic in speaker enclosure and system fan; Contains recycled metal

Security management
HP Secure Erase; HP Sure Click; HP BIOSphere Gen6; HP Sure Admin; Hood Sensor Optional Kit; HP Client Security Manager Gen6; HP Sure Start Gen7; HP Sure Recover Gen4; HP Sure Sense Gen2; HP Sure Run Gen5

Memory

16 GB DDR5-4800 MHz RAM (1 x 16 GB)

Memory layout (slots & size)
1 x 16 GB

Memory Slots
4 DIMM

Internal drive bays
One 2.5" HDD; Two 3.5" HDD; Three M.2 NVME 2280 SSD

External drive bays
One slim ODD; One 5.25" ODD

Internal Storage
512 GB PCIe® M.2 SSD

Hard drive (2nd)
1 TB 7200 rpm SATA HDD

Storage controller
Integrated SATA (4 ports 6 Gb/s) with integrated RAID 0, 1, for PCIe SSDs supported. Requires identical hard drives (speeds, capacity, interface).

Compatible displays
All HP Z Displays and HP DreamColor Displays are supported. For more information see
www.hp.com/go/zdisplays

Graphics (integrated)
Intel® UHD Graphics 770

I/O Port location
Front

Ports
4 SuperSpeed USB Type-A 10Gbps signaling rate (1 charging); 1 universal audio jack

I/O Port location
Rear

Ports
1 audio-in; 1 audio-out; 1 RJ-45; 2 DisplayPort™ 1.4; 2 SuperSpeed USB Type-A 10Gbps signaling rate; 1 SuperSpeed USB Type-A 5Gbps signaling rate; 3 USB Type-A 480Mbps signaling rate

Expansion slots
1 PCIe 3 x4 (x16 connector); 1 PCIe 3 x4 (x4 connector); 1 PCIe 3 x1 (x4 connector); 1 PCIe 5 x16 (x16 connector); 1 M.2 2230 PCIe 3 X1 for WLAN

Power
350 W 92% efficient, wide-ranging, active PFC

Ecolabels
EPEAT® registered

Energy star certified
ENERGY STAR® certified

Minimum dimensions (W x D x H)
35.6 x 16.9 x 38.5 cm
(Standard tower orientation.)
3

Weight
Starting at 7.2 kg

UPC number
196548785056

Software included
HP PC Hardware Diagnostics UEFI; HP Support Assistant; HP PC Hardware Diagnostics Windows; ZCentral Remote Boost; HP Image Assistant; HP Manageability Integration Kit; Performance Advisor 3.0 [15]
[16]
[17] 1

Keyboard
HP Wired Desktop 320K Keyboard

Overview

3   Third party software sold separately.

Specifications

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.

2   This system is preinstalled with Windows 10 Pro software and also comes with a license for Windows 11 Pro software and provision for recovery software. You may only use one version of the Windows software at a time. Switching between versions will require you to uninstall one version and install the other version. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.

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, branding and/or naming 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.

15   HP ZCentral Remote Boost does not come preinstalled on Z Workstations but can be downloaded and run on all Z desktop and laptops without license purchase. With non-Z sender devices, purchase of perpetual individual license or perpetual floating license per simultaneously executing versions and purchase of ZCentral Remote Boost Software Support is required. ZCentral Remote Boost requires Windows, RHEL (7 or 8), UBUNTU 18.04 LTS, or HP ThinPro 7 operating systems. MacOS (10.13 or newer) operating system is only supported on the receiver side. Requires network access. The software is available for download at hp.com/ZCentralRemoteBoost.

16   HP Performance Advisor Software - HP Performance Advisor is ready and waiting to help you get the most out of your HP Workstation from day one— and every day after. Learn more or download at: https://www8.hp.com/us/en/workstations/performance-advisor.html

17   HP Support Assistant requires Windows and Internet access.