

HP Z6 G5 A Workstation Wolf Pro Security Edition (C94CQUT)



Maximized Cores. Astounding Graphics. Unbound Potential

The refreshed HP Z6 G5 A is a powerhouse for AI workflows, 3D rendering and virtual production. Its innovative system design, with a next-gen AMD Ryzen™ Threadripper™ PRO CPU,[1] combines an astounding number of cores in a single CPU with up to 3 GPUs.[2] Create and render at once on intensive projects.

Create, render, process—all at once

Tear through rendering, simulations or 3D modeling. The system design packs up to 96 cores in a single workstation CPU1 so there's room for up to three high-end GPUs[1] and eight memory channels.[2] And, do it all with efficient performance per watt.

Expandable. Flexible. Whisper Quiet

Designed to pack all the power and components you need now with room to grow. Get maximum expandability with large storage and memory configurations. Conquer intense projects with a device designed to run quiet and cool.

Your AI powerhouse, in-house

Accelerate AI development and inferencing with space for up to 3 NVIDIA RTX™ GPUs[2], delivering incredible TOPS for advanced AI workflows. Process proprietary data securely on a local workstation for fast insights.

Specifications

Form factor	Tower
Operating system	Windows 11 Pro ^[1]
Processor family	AMD Ryzen™ Threadripper™ PRO processor
Processor	AMD Ryzen™ Threadripper™ Pro 9975WX (up to 5.4 GHz max boost clock, 128 MB L3 cache, 32 cores, 64 threads) [6,7]
Memory	64 GB DDR5-6400 MT/s ECC (2 x 32 GB)
Internal Storage	1 TB HP Z Turbo Drive PCIe® Gen4 TLC M.2 SSD
Internal drive bays	Two 3.5" HDD; Four PCIe® M.2 SSD
External drive bays	Four NVMe™ M.2 SSD; One 9.5 mm ODD
Audio	Realtek ALC3205-CG
Dimensions (W x D x H)	16.9 x 46.5 x 44.5 cm (Standard desktop orientation.)
Dimensions (W x D x H)	6.65 x 18.3 x 17.5 in (Standard desktop orientation.)
Weight	Starting at 13.2 kg (Exact weight depends on configuration.)
Weight	Starting at 29.1 lb (Exact weight depends on configuration.)
Keyboard	HP USB 320K Keyboard
Pointing device	HP Wired 320M Mouse
Ports	4 USB Type-A 5Gbps signaling rate (1 charging); 1 headphone/microphone combo
Expansion slots	4 PCIe 5 x16; 2 PCIe 5 x4; 1 PCIe 4 x16; 3 PCIe 4 x4 (Rear bulkhead access can be achieved through all slots, but 2 PCIe 5 x4 and 2 PCIe 4 x4 are internal access only for M.2.)
Ports	1 audio-in/out; 6 USB Type-A 5Gbps signaling rate; 1 RJ-45 (1 GbE)
Ports	4 USB Type-A 5Gbps signaling rate (1 charging)
Package dimensions (W x D x H)	31.3 x 59.3 x 61.0 cm
Package weight	Starting at 18.3 kg
Network interface	Realtek RTL8111EPP-CG GbE
Power	1125 W internal power supply, up to 90% efficiency, active PFC
Ecolabels	ENERGY STAR® certified
Energy star certified	ENERGY STAR® certified
Management features	HP Driver Packs; HP System Software Manager (download); HP BIOS Configuration Utility (download); HP Smart Support
Sustainable impact specifications	40% post-consumer recycled plastic; 25% ITE-derived closed loop plastic; Bulk packaging available; Plastic cushion inserts contain 80% recycled content; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; 10% post-consumer recycled plastic; Internal power supply 90% efficiency; Ocean-bound plastic in system and CPU fans
Security management	Full volume encryption; HP Secure Erase; Kensington lock slot; Secure authentication; TPM 2.0 certified; HP BIOSphere; HP Sure Run; HP Sure Click; HP Sure Sense; HP Sure Admin; HP Platform Certificate; HP Sure Start; HP Sure Recover; Self-Encrypted Drives ^[21,22,23,24,25,26,27,28]
Software included	HP PC Hardware Diagnostics UEFI; HP Performance Advisor; HP Support Assistant; HP PC Hardware Diagnostics Windows; HP Image Assistant; HP Manageability Integration Kit; HP Anyware; HP Services Scan; HP Data Science Stack Manager ^[18,19,20,31]
UPC number	(ABA) 199642487970; (ABC) 199642487963

Top Recommended Displays, Accessories and Services

No Top Recommended Displays, Accessories and Services

Messaging Footnotes

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

[2] Graphics are 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 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.

[18] 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>.

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

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

[21] HP Sure Click requires Windows 11 Pro or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.

[22] HP Sure Start Gen7 is available on select HP PCs and Workstations. See product specifications for availability.

[23] HP Sure Recover Gen4 is available on select HP PCs and requires an open network connection. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data.

[24] HP Sure Sense requires Windows 11 Pro or Enterprise and supports Microsoft Internet Explorer, Google Chrome™, 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.

[25] HP Sure Run Gen5 is available on select HP PCs and requires Windows 10 and higher.

[26] HP Sure Admin requires Windows 10 or higher, HP BIOS, HP Manageability Integration Kit from <http://www.hp.com/go/clientmanagement> and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store.

[27] HP Secure Erase for the methods outlined in the National Institute of Standards and Technology Special Publication 800-88.

[28] HP BIOSphere Gen6 features may vary depending on the platform and configurations.

[31] HP Services Scan is provided with Windows Update on select products and will check entitlement on each hardware device to determine if an HP TechPulse-enabled service has been purchased, and will download applicable software automatically. HP TechPulse is a telemetry and analytics platform that provides critical data around devices and applications. For full system requirements or to disable this feature, please visit <http://www.hpdaas.com/requirements>. Not applicable in China.

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