



HP Z6 G5 A Workstation Wolf Pro Security Edition (C94CPUT)

Overview

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 GPUs¹ and eight memory channels.² And, do it all with efficient performance per watt.

Your AI powerhouse, in-house

Accelerate AI development and inferencing with space for up to 3 NVIDIA RTX™ GPUs², delivering incredible TOPS for advanced AI workflows. Process proprietary data securely on a local workstation for fast insights.

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.

Designed with the planet in mind

At HP, we care about the impact our products have on our people, communities, and the planet. Z products are designed with sustainability at the forefront. So, you can take pride in choosing Z, knowing that you are helping protect our shared future.

[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.

Specifications

Form factor	Tower
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 <i>(Standard desktop orientation.)</i>
Dimensions (W x D x H)	6.65 x 18.3 x 17.5 in <i>(Standard desktop orientation.)</i>
Weight	Starting at 13.2 kg <i>(Exact weight depends on configuration.)</i>
Weight	Starting at 29.1 lb <i>(Exact weight depends on configuration.)</i>
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 <i>(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.)</i>
Ports	1 audio-in/out; 6 USB Type-A 5Gbps signaling rate; 1 RJ-45 (1 GbE)
Package dimensions (W x D x H)	31.3 x 59.3 x 61.0 cm
Package weight	Starting at 18.3 kg
Power	1450 W internal power supply, up to 90% efficiency, active PFC; 1125 W internal power supply, up to 90% efficiency, active PFC; 775 W internal power supply, up to 90% efficiency, active PFC; 1275 W internal power supply, up to 90% efficiency, active PFC
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	199642487956

Additional specifications

Additional information about HP in the countries	hp.com
Color	Black
Datasheet photo 1	AHID/e3836c85fe59bee2db3e9b8b8aeaa1816ff7fa3f
Datasheet photo 3	AHID/5e4c3366084d6a4abe46b64e3a0fd7d4f3a9c9cb
Datasheet photo 4	AHID/791f8df1f15fa780283acfa96bf5224e1630bad3
Datasheet photo 5	AHID/4af4b99c43150fe2cb684e38edbef36f50cfec93
Graphic card footnote number	[40]
I/O Port location	Rear
I/O Port location	Front
Package dimensions (W x D x H)	12.32 x 23.35 x 24.02 in
Package weight	Starting at 40.23 lb
Playbook TS icon OS	http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905482.png
Playbook TS icon battery life	http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905264.png
Playbook TS icon connectivity	http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201987.png
Playbook TS icon dimensions tower	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201997.png
Playbook TS icon graphics	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08169202.png
Playbook TS icon memory	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267700.png
Playbook TS icon processor	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201972.png
Playbook TS icon storage	http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08192819.png
Playbook TS icon weight imperial	http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c05790117.png
Playbook TS icon weight metric	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267650.png
Storage controller	Integrated SATA 6.0 Gb/s; Integrated RAID 0, 1 available for SATA drives
UNSPSC code	43211515

[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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