



HP Z4 G5 Workstation PC (CW4Y5UA)

Overview

Power-up to next level pro performance

This high performance desktop workstation does it all. Tackle advanced workflows—from rendering and simulation to advanced video editing and massive dataset preparation. The Z4 AI workstation accelerates workflows across a wide range of professional apps and provides room to expand as work evolves.

Professional performance. Extraordinary expandability.

Master intense workflows with up to 2 high-end professional GPUs, 26 cores[1] in a next-gen Intel® Xeon® W processor, and 512 GB of memory[2]. Easily expand as work evolves with tool-less access, 5 PCIe slots, and 2 front accessible NVMe bays.[3]

Ignite AI innovation

Accelerate AI development and inferencing with the Z4 AI workstation, with up to 2 NVIDIA RTX™ 6000 Ada Generation GPUs[4] delivering up to 2,914 AI TOPS for advanced AI. Process proprietary data securely on a local workstation to gain insights faster.

Engineered to stay cool and quiet.

Push your desktop workstation without disruptive noise. Smart fan control keeps the system whisper-quiet by tuning fan speeds in real-time using over 20 temperature sensors. Precisely placed vents and ducts streamline airflow and heat removal.

Designed with the planet in mind.

At HP, we care about the impact our products have on our people, communities, and planet. That's why the Z4 contains 40% recycled plastics,[5] 10% recycled metal, 100% sustainably sourced outer box packaging, and is EPEAT® Gold Climate+ registered.[6,7]

Features

Professional Grade Graphics

Tackle advanced video editing, machine learning and simulation projects

Ultra Fast Memory Configurations

Accelerate your workflow. Power through memory-intensive workloads with fast rendering, simulation, machine learning and video editing performance.

[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. Intel's numbering, branding and/or naming is not a measurement of higher performance.

[2] Optional, configurable features.

[3] Two front accessible NVMe bays require a 5.25 bay carrier.

[4] Graphics are sold separately or as an optional feature.

[5] Applies to HP PCs, Workstations, and Displays manufactured after January 2019. Based on most Gold and Silver (including Climate+) EPEAT® registrations. Status varies by country. Visit www.epeat.net for more information.

[6] Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 EPEAT standard.

[7] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.

Specifications

Form factor	Tower
Chipset	Intel® W790
Memory Slots	8 DIMM
Internal drive bays	One 3.5"; Four PCIe® M.2 SSD; Three 3.5" HDD
External drive bays	Two NVMe™ M.2 SSD; Two 3.5" HDD; Two 9.5 mm ODD
Compatible displays	All HP Z Displays and HP DreamColor Displays are supported. For more information see http://www.hp.com/go/zdisplays
Audio	Realtek ALC3205-CG
Dimensions (W x D x H)	16.89 x 44.45 x 38.61 cm
Dimensions (W x D x H)	6.65 x 17.50 x 15.20 in
Weight	Starting at 10.5 kg <i>(Exact weights depend upon configuration (System weight only))</i>
Weight	Starting at 23.2 lb <i>(Exact weights depend upon configuration (System weight only))</i>
Ports	4 USB Type-A 5Gbps signaling rate; 1 headphone/microphone combo ^[29]
Expansion slots	1 PCIe 5 x16; 2 PCIe 4 x16; 2 PCIe 4 x4 <i>(Rear bulkhead access can be achieved through all slots but 2 PCIe 4 x8 are internal access only for M.2.)</i>
Ports	1 RJ-45; 1 audio-in/out
Package dimensions (W x D x H)	31.4 x 57.2 x 56.3 cm
Package weight	Starting at 14.35 kg
Power	525 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
Management features	HP Driver Packs; HP System Software Manager (download); HP BIOS Configuration Utility (download); HP Smart Support
Sustainable impact specifications	Low Halogen; 40% post-consumer recycled plastic; 25% ITE-derived closed loop plastic; Bulk packaging available; External power supply 90% efficiency; Plastic cushion inserts contain 80% recycled content; Ocean-bound plastic in system fan; 10% post-industrial recycled metal; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable
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 ^[20,21,22,23,24,25,26,27]
Software included	HP Performance Advisor; HP Support Assistant; HP PC Hardware Diagnostics Windows; HP Image Assistant; HP Manageability Integration Kit; HP Anyware; HP Data Science Stack; HP Services Scan ^[11,17,18,19]
UPC number	199764680709

Additional specifications

Graphic card footnote number	[30]
Graphic card footnote number	[30]
I/O Port location	Rear
I/O Port location	Front
Package dimensions (W x D x H)	12.36 x 22.52 x 22.17 in
Package weight	Starting at 31.61 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
Software included	HP UEFI BIOS Certification Level 2.7B
Storage controller	Integrated SATA 6.0 Gb/s; Integrated RAID 0, 1 available for SATA drives
UNSPSC code	43211515

[11] 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.

[17] 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>.

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

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

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

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

[22] 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.

[23] 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.

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

[25] 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.

[26] HP Secure Erase for the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method. HP Secure Erase does not support platforms with Intel® Optane™.

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

[29] Front Entry version contains: 1 headset/microphone combo; 4 SuperSpeed USB Type-A 5Gbps signaling rate.

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