

HP Z4 Rack G5 Workstation Wolf Pro Security Edition (CP3L5UT)



Compactly Rackable. Uniquely Powerful

Empower a flexible workforce with Z by HP pro-level performance in a high-density 1U footprint. Specifically designed to pack more units in a single rack, this slim powerhouse delivers the performance your team needs. All with the ability to upgrade and expand as compute demands evolve.



Workhorse Power. Compact 1U size

This 1U workstation packs impressive power for advanced VFX, 3D modeling, and rendering. Get an Intel® Xeon® W-series CPU,^[1] support for entry or high-end graphics, and large memory configurations, all with room to upgrade and expand.

Upgrade and expand with ease

Invest in the technology you need now and expand as the compute demands of your workforce evolve. With an easily accessible, tool-less design, get access to add or swap components—like graphics, memory, and storage.

Accelerating advanced AI in-house

Accelerate AI development and inferencing with the Z4 Rack AI workstation, support for entry or high-end graphics delivering impressive AI TOPS for advanced AI. Achieve insights faster by securely handling data on your local workstation.

Featuring

HP recommends Windows 11 Pro for business

Work anywhere without compromising on performance with Windows 11 and HP collaboration, security, and connectivity technology. Summarize and rewrite content, get relevant content recommendations, and stay organized with Microsoft Copilot.^[3]

Intel® Xeon® W processor

Get optimized performance whether your professional application utilizes high core count or high frequency with the Intel® Xeon® W processor.^[1]

Security is your top priority

The HP Wolf Pro Security Edition provides preconfigured enterprise-level PC protection for small and medium sized businesses.

NVIDIA RTX™ Graphics

Tackle advanced video editing, machine learning and simulation projects

Ultra Fast Memory Configurations

Accelerate your workflow and power through memory-intensive workloads with fast visualization, advanced visual effects, and rendering.

Specifications

Form factor	1U rackable workstation
Operating system	Windows 11 Pro ^[1]
Processor family	Intel® Xeon® W processor
Processor	Intel® Xeon® W3-2423 (up to 4.0 GHz with Intel® Turbo Boost Technology, 15 MB L3 cache, 6 cores, 12 threads) ^[6,7]
Chipset	Intel® W790
Memory	32 GB DDR5-4800 MT/s ECC (2 x 16 GB)
Memory Slots	4 DIMM
Internal Storage	1 TB HP Z Turbo Drive PCIe® Gen4 TLC M.2 SSD
Internal drive bays	Two 2.5" M.2 or one 3.5" SATA
External drive bays	Two 2.5" M.2
Audio	Realtek ALC3205-CG
Dimensions (W x D x H)	4.3 x 43.8 x 65.6 cm (without rack mounting ears)
Dimensions (W x D x H)	1.69 x 17.25 x 25.8 in (without rack mounting ears)
Weight	Starting at 9.5 kg (without rack rails); Starting at 12.5 kg (with rack rails) (Exact weight depends on configuration.)
Weight	Starting at 21.6 lb (without rack rails); Starting at 27.6 lb (with rack rails) (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 headset connector
Expansion slots	2 M.2 PCIe 4 x4; 1 PCIe 5 x16 mechanical (x8 electrical); 1 PCIe 5 x8 mechanical (x8 electrical); 1 PCIe 5 x16 mechanical (x8 or x16 electrical) (PCIe slots 2 and 3 only come standard if the configuration demands them. Otherwise, they are an optional add-on feature via the Dual Slot Riser, which can be configured CTO or aftermarket.)
Ports	2 USB Type-A 5Gbps signaling rate; 1 RJ-45
Power	675 W internal power supply, up to 90% efficiency, active PFC
Energy star certified	ENERGY STAR® certified
Management features	HP Anyware Remote System Controller; HP Client Management Script Library (download); HP Cloud Recovery; HP Driver Packs; HP Image Assistant Gen5 (download) ^[8,28,29,31]
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 ^[13,14,15,16,17,18,19,20]
Software included	HP PC Hardware Diagnostics UEFI; HP Performance Advisor; HP Support Assistant; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Desktop Support Utilities; HP Manageability Integration Kit; HP Notifications; HP Anyware; HP Data Science Stack; HP Services Scan; HP Data Science Stack Manager; myHP ^[8,10,11,12,26,27,30,32]
UPC number	(ABA) 199764289773; (ABC) 199764289780

Top Recommended Displays, Accessories and Services

Series 7 Pro

HP Series 7 Pro 27 inch QHD Monitor - 727pq	8J4D8UT
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Wired Headset

Poly Blackwire 5220 Stereo USB-C Headset +3.5mm Plug +USB-C/A Adapter	8X231AA
Poly Blackwire 8225 Stereo USB-C Headset +USB-C/A Adapter	8X223AA

Speakerphones

Poly Sync 10 USB-A USB-C Speakerphone	772C3AA
Poly Sync 20 USB-C Speakerphone	7F0J7AA
Poly Sync 20+ USB-C Speakerphone	772D0AA

Wireless Headset

Poly Voyager Focus 2 USB-C-C Headset +USB-C/A Adapter	9T9J3AA
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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. Intel's numbering, branding and/or naming is not a measurement of higher performance.

[3] Applies to HP PCs, Workstations and Displays manufactured after January 2019. Based on most Gold and Silver EPEAT® registrations by meeting all required criteria and achieving 50-74% of the optional points for EPEAT® Silver and 75-100% of the optional points for EPEAT® Gold according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.

[3] 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 11 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.windows.com>. Microsoft Copilot requires Windows 11. Some features require an NPU. Timing and availability will be dependent on Microsoft and varies by market and device. Requires Microsoft account to log in. Where Copilot is not available, the Copilot key will lead to the Bing search engine. See <http://aka.ms/WindowsAIFeatures>.

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. 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.

[8] Optional or add-on feature.

[10] 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>.

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

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

[13] HP Sure Click requires Windows 10 or 11 Pro or higher. See https://bit.ly/2PrLT6A_SureClick for complete details.

[14] HP Sure Start requires Windows 10 or 11 or higher.

[15] 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.

[16] HP Sure Sense requires Windows 10 or 11 Pro or Enterprise and higher.

[17] HP Sure Run Gen5 requires Windows 10 or 11 Pro or higher.

[18] 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.

[19] 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™.

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

[26] Network access required. HP Anyware software and licensing are available through a 1- or 3-year subscription. Renewal is required after the subscription term. HP Anyware subscriptions are based on the number of concurrent PCoIP connections used (pay for the number of host connections, not the software) with a minimum order quantity of 5. For a limited time, an HP Anyware Professional subscription also includes access and support for ZCentral Remote Boost and ZCentral Connect and is available for purchase through an HP reseller or contact sales at hp.com/Anyware. ZCentral Remote Boost Sender requires Windows 10 and 11, RHEL/CentOS (7 or 8), or UBUNTU 18.04 or 20.04 LTS operating systems. macOS (10.14 or newer) operating system and ThinPro 7.2 are only supported on the receiver side. ZCentral Connect requires Windows (10 or 11) or Windows Server (2016 or 2019) operating system, Microsoft Active Directory and Intel Active Management Technology for select features. For system requirements and to install HP Anyware and Anyware Manager, refer to the Admin Guides at: <https://docs.teradici.com/find/product/hp-anyware>.

[27] Z by HP Data Science Stack Manager requires Windows 10 version 21H2 (Build 19044) and higher or 64-bit Ubuntu 20.04 and is available on select Z workstations.

[28] HP Anyware Remote System Controller is an optional feature.

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