ProductSheet
HP Z6 G5 A Workstation (9J2K7UT)

Maximized Cores. Astounding Graphics. Unbound Potential

The Z6 G5 A is a powerhouse for virtual production, 3D rendering, AI and machine learning. 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 multiple GPUs.[2] Create and render at once on intensive projects.



HP recommends Windows 11 Pro for business

Create, render, process—all at once
Tear through virtual production, 3D modeling, AI and machine learning. The system design packs a staggering number of cores into a single workstation CPU[1] so there's room for multiple high-end GPUs.[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.

Comprehensive security. Trusted reliability
Get peace of mind with a workstation that's built to endure. The Z6 G5 A undergoes 360K hours of rigorous testing, MIL-STD testing,[3] and is certified for pro apps. And with HP Wolf Security for Business, it's protected below, in, and above the OS.[4]

Featuring

Windows 11
Work anywhere without compromising on performance or security with Windows 11 powered by HP's collaboration and connectivity technology.

AMD® Ryzen™ processor
Bring your ideas to life quickly and effectively with the latest AMD® Ryzen™ processors.

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

HP Anyware
Access the power of your Z from any device with HP Anyware—remote access software delivering fast responsiveness and image quality, even in film editing and data visualizations. [6]

Specifications

Form factor	Tower
Operating system	Windows 11 Pro[1]
Processor family	AMD Ryzen™ Threadripper™ PRO processor
Processor	AMD Ryzen™ Threadripper™ Pro 7975WX (up to 5.3 GHz max boost clock, 128 MB L3 cache, 32 cores, 64 threads) [6,7]
Memory	32 GB DDR5-5600 MHz ECC RAM (2 x 16 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
Minimum dimensions (W x D x H)	16.9 x 46.5 x 44.5 cm
Minimum dimensions (W x D x H)	6.65 x 18.3 x 17.5 in
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 Desktop 320M mouse
Ports	1 USB Type-C® 20Gbps signaling rate; 2 USB Type-A 5Gbps signaling rate; 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	4 USB Type-A 5Gbps signaling rate (1 charging); 1 headphone/microphone combo
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)
Power	1125 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	(ABA) 197961633108; (ABC) 197961633092

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.

[3] Testing is not intended to demonstrate fitness of U.S. Department of Defense (DoD) contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.

[4] HP Wolf Security for Business requires Windows 10 Pro or higher, includes various HP security features and is available on HP Pro, Elite and Workstation products. See product details for included security features and OS requirement.

[6] 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.

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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