

ProductSheet  
**HP Z8 G5 Workstation (895L9UT)**



**Take on processor-intensive workloads. Relentlessly**

Processor-intensive workflows have met their match. The Z8 G5 offers more CPU performance than ever before, in a classic dual socket design, to accelerate rendering with real-time ray tracing, data visualization, and model training while also providing plenty of room to expand as demands change.



HP recommends Windows 11 Pro for business

**Remarkable performance. Whisper-quiet acoustics**

Tackle CPU-intensive workflows with the option of 2 Intel® Xeon® CPUs, high-end GPUs, and loads of memory.

**Upgrade and expand with ease**

Evolve your PC with space for high-end GPUs, loads of memory and storage, plus front-accessible NVMe drives.

**Comprehensive security. Reliability you can trust**

Trust the 360K hours of testing, certifications for pro apps, and world-class HP Wolf Security for Business[5].

**Featuring**

**Windows 11**

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

**Intel® Xeon® processor**

Get professional-class speed to maximize your performance and uptimes on the most demanding professional workflows with the Intel® Xeon® 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.

## Specifications

<b>Form factor</b>	Tower
<b>Operating system</b>	Windows 11 Pro <sup>[1]</sup>
<b>Processor family</b>	Intel® Xeon® Gold processor
<b>Processor</b>	Intel® Xeon® Gold 5416S (up to 4.1 GHz with Intel® Turbo Boost Technology, 30 MB L3 cache, 16 cores, 32 threads) [6,7]
<b>Chipset</b>	Intel® C741
<b>Memory</b>	64 GB DDR5-4800 MHz RAM (4 x 16 GB)
<b>Memory Slots</b>	16 DIMM (with dual processors)
<b>Internal Storage</b>	512 GB HP Z Turbo Drive PCIe® NVMe™ TLC M.2 SSD
<b>Internal drive bays</b>	Six PCIe® M.2 SSD; Six 3.5" HDD
<b>External drive bays</b>	Two 9.5 mm ODD
<b>Graphics</b>	Discrete
<b>Graphics (discrete)</b>	NVIDIA RTX™ A2000 (6 GB GDDR6 dedicated)
<b>Compatible displays</b>	All HP Z Displays and HP DreamColor Displays are supported. For more information see <a href="http://www.hp.com/go/zdisplays">http://www.hp.com/go/zdisplays</a>
<b>Audio</b>	Realtek ALC3205-CG
<b>Minimum dimensions (W x D x H)</b>	21.59 x 55.12 x 44.45 cm
<b>Minimum dimensions (W x D x H)</b>	8.5 x 21.7 x 17.5 in
<b>Weight</b>	Starting at 22.5 kg (Exact weights depend upon configuration (System weight only))
<b>Weight</b>	Starting at 49.6 lb (Exact weights depend upon configuration (System weight only))
<b>Keyboard</b>	HP USB 320K Keyboard
<b>Pointing device</b>	HP Wired 320M Mouse
<b>Ports</b>	4 SuperSpeed USB Type-A 5Gbps signaling rate; 1 headphone/microphone combo <sup>[31]</sup>
<b>Expansion slots</b>	1 PCIe 3 x16; 1 PCIe 3 x8; 2 PCIe 3 x4; 1 PCIe 5 x16; 2 PCIe 4 x16; 2 PCIe 4 x8 (Rear bulkhead access can be achieved through all slots but 2 PCIe 4 x8 are internal access only for M.2 (1 PCIe 4 x16 available when 2nd CPU is not installed; 1 PCIe 3 x16 available only when 2nd CPU is installed).)
<b>Ports</b>	6 SuperSpeed USB Type-A 5Gbps signaling rate; 1 audio-in/out; 2 RJ-45 (1 GbE AMT, 1GbE, optional 10GbE)
<b>Package dimensions (W x D x H)</b>	33.2 x 73.4 x 63.6 cm
<b>Package weight</b>	Starting at 27.95 kg
<b>Power</b>	1700 W internal power supply, up to 90% efficiency, active PFC; 1450 W internal power supply, up to 90% efficiency, active PFC; 1125 W internal power supply, up to 90% efficiency, active PFC
<b>Management features</b>	HP Driver Packs; HP System Software Manager (download); HP BIOS Configuration Utility (download); HP Smart Support
<b>Sustainable impact specifications</b>	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
<b>Security management</b>	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 <sup>[20,21,22,23,24,25,26,27]</sup>
<b>Software included</b>	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 Data Science Stack Manager <sup>[17,18,19]</sup>
<b>UPC number</b>	(ABA) 196188302774; (ABC) 196188302750

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

[5] HP Wolf Security for Business requires Windows 10 or 11 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.

## 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.

[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](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.

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

[31] Front I/O offers Battery Charging 1.2 through one of the USB Type-A ports.

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