ProductSheet

HP Z4 G6i Workstation Desktop PC (DP5N5LT)

Unlock next-levelscalable power

Power through multi-threaded tasks with high-end, multi-GPU compute. The HP Z4 G6i AI workstation helps you tackle complex workflows—from rendering and simulation to advanced video editing and massive dataset preparation. With HP Z Boost[1], share access to idle GPUs, maximizing utilization and ROI.



Engineered to accelerate workflows
Drive innovation in graphics-intensive and data science workflows with an Intel® Xeon® CPU[2], NVIDIA RTX PRO™ graphics, plus expansive storage and memory options.

Upgrade. Expand. Evolve.
The HP Z4 G6i AI workstation enables tool-less access for quick upgrades. The optional Max Side Panel offers extra thermal and spatial benefits, while the optional rail kit makes it rack-ready. The new lattice bezel helps keep it cool and quiet.

Solutions for smarter workflows
Get more out of the HP Z4 G6i with key hardware and software solutions. Add an HP Remote System Controller[3] to enable remote out-of-band management, and HP Z Boost[1] to share its idle GPUs across teams—improving productivity and maximizing resources.

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. [5]

Intel® Xeon® W Processors
Power demanding professional workloads with a next-gen Intel® Xeon® 600 processor (up to 48 cores), Intel vPro® manageability and security, and ECC Memory for data reliability. [6]

Professional Graphics
Master rendering, simulation, advanced video editing and data prep, with up to 2 optional NVIDIA RTX PRO™ 6000 Blackwell Max-Q Workstation Edition GPUs (up to 96GB VRAM per card). Work seamlessly with powerful support for quad-wide and 600W GPUs.

Ultra Fast Memory Configurations
Accelerate workflows. Power through memory-intensive workloads with up to 512GB of DDR5-6400 ECC registered memory for fast rendering, simulation, machine learning and video editing performance. [7]

Max Side Panel
Stay ahead of evolving performance demands with an optional Max Side Panel that delivers expanded thermal capacity and extra space for up to quad-wide and 600W graphics.

Specifications

Form Factor	Tower
Operating System Software	Windows 11 Pro[1]
Processor Family	Intel® Xeon® processor
Processor Name	Intel® Xeon® 634 (up to 4.6 GHz with Intel® Turbo Boost Technology, 48 MB L3 cache, 12 cores, 24 threads)[6,7]
Chipset	Intel® W890
Standard Memory Description 01	32 GB DDR5-6400 MT/s ECC (2 x 16 GB)
Memory Slots	8 DIMM
Hard Drive Description (01)	1 TB HP Z Turbo Drive PCIe® Gen5 M.2 SSD
Drive Bays, Total Internal Bays	One 3.5" HDD; Four PCIe® M.2 SSD
Drive Bays, Total External Bays	Two NVMe™ M.2 SSD; One 3.5" HDD; One 9.5 mm ODD
Optical Drives	HP Slim DVD-Writer
Compatible Displays	All HP Z Displays and HP DreamColor Displays are supported. For more information see http://www.hp.com/go/zdisplays
Audio Features	Realtek ALC3205-CG
Product Dimensions W x D x H (metric)	17.5 x 46.99 x 43.82 cm; 20.98 x 46.99 x 43.82 cm (max side panel) *(Rack dimensions: 4U with standard side panel, 5U with max side panel. Standard desktop orientation.)*
Product Dimensions W x D x H (imperial)	6.9 x 18.5 x 17.2 in; 8.3 x 18.5 x 17.2 in (max side panel) *(Rack dimensions: 4U with standard side panel, 5U with max side panel. Standard desktop orientation.)*
Weight (metric)	Starting at 13.8 kg *(Exact weights depend upon configuration (System weight only))*
Weight (imperial)	Starting at 30.4 lb *(Exact weights depend upon configuration (System weight only))*
Package Dimensions W x D x H (metric)	31.3 x 61 x 59.6 cm; 35.1 x 61.2 x 62.9 cm (max side panel)
Package Dimensions W x D x H (imperial)	12.3 x 24 x 23.5 in; 13.8 x 24.1 x 24.8 in (max side panel)
Package Weight (metric)	Starting at 17.3 kg
Package Weight (imperial)	Starting at 38.14 lb
Keyboard	HP USB 320K v2 Keyboard
Pointing Device	HP Wired 320M Mouse
External I/O Ports	Entry: 4 USB Type-A 5Gbs signaling rate (1 charging), 1 headphone/microphone combo
Expansion Slots	5 PCIe Slots: 3 PCIe 5 x16; 1 PCIe 5 x4; 1 PCIe 4 x4
External I/O Ports 02	1 RJ-45; 1 audio-in/out; 1 USB Type-C® 10Gbps signaling rate (data and 15W USB Power Delivery); 5 USB Type-A 5Gbps signaling rate
External I/O Ports 04	1 USB Type-A 5Gbps signaling rate
Network Interface	Intel® I219-LM GbE
Power Supply Required	1200 W internal power supply
Sustainability Specifications	Low halogen; 60% post-consumer recycled plastic; 80 Plus® Platinum power supplies available; 25% ocean-bound plastic in system fans; 100% recycled rare earth elements in speaker magnet; Contains at least 20% post-industrial recycled steel; 85% ITE-derived closed loop plastic in bezel
UPC Number	(ABM) 826581347385; (AKH) 826581347361

Top Recommended Displays, Accessories and Services

Security Cables	
HP Essential Combination Lock	T0Y16AA
HP Universal Keyed Cable Lock	C6CQ2AA

Video Devices	
HP 325 FHD Webcam	53X27AA
HP 435 FHD Webcam	77B10AA
HP 625 FHD Webcam	6Y7L1AA

Messaging Footnotes

[1] HP Z Boost requires client device with Windows 10 or Windows 11 OS and Vulkan Runtime for devices without a GPU, or WSL2 with Ubuntu 22.04 or Ubuntu 22.04 LTS or greater.Host device for sharing GPU(s) must be a HP Z workstation with NVIDIA professional grade workstation GPU(s) of Pascal architecture or later with an installed driver version 535 orgreater, and a CUDA driver version 11.2 through to 12.3, Windows 10 or Windows 11 OS (WSL is not supported), or Ubuntu 22.04 LTS or greater or Debian 11 or greater withlibatomic1, libnuma1, libvulkan1, libgl1, libglib2.0-0 packages installed. Network connection required. Join waitlist to be considered for selection for early access.

[2] Multicore is designed to improve performance of certain software products. Not all customers or software applications will ne cessarily benefit from use of thistechnology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering is not ameasurement of clock speed. Features and software that require a NPU may require software purchase, subscription or enablement by a software or platform provider.

[3] HP Remote System Controller is sold separately. Internet access required.

[5] 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.

[6] 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. Intel vPro® Enterprise technologies are available only on Intel® Xeon® W-3500 and Intel® Xeon® W-2500 processors. Intel vPro® requires Windows 10 Pro 64 bit or higher, a vPro supported processor, vPro enabled chipset, vPro enabled wired LAN and/or Wi-Fi 6E WLAN and TPM 2.0. Some functionality requires additional 3rd party software in order to run. Features of vPro® Essentials and Enterprise vary. See http://intel.com/vpro. Error Correction Code (ECC) memory enables enhanced data reliability. ECC memory is only available on Intel® Xeon® processor options.

[7] Memory is an optional feature that must be configured at purchase.

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.

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