



HP Z4 G4 Intel Xeon W W-2255 32 GB DDR4-SDRAM 512 GB SSD NVIDIA Quadro RTX 4000 Windows 10 Pro for Workstations Tower Workstation Black

Brand : HP

Product code: 11R51ES

Product name : Z4 G4

- Windows 10 Pro for Workstations 64-bit
- Intel Xeon W-2255 (19.25MB Cache, 3.7GHz)
- NVIDIA Quadro RTX 4000 (8GB GDDR6)
- 32GB DDR4-SDRAM (4 x 8) & 512GB SSD
Intel Xeon W-2255 (19.25MB Cache, 3.7GHz), 32GB DDR4-SDRAM, 512GB SSD, DVD-RW, NVIDIA Quadro RTX 4000 (8GB GDDR6), LAN, Windows 10 Pro for Workstations 64-bit

[HP Z4 G4 Intel Xeon W W-2255 32 GB DDR4-SDRAM 512 GB SSD NVIDIA Quadro RTX 4000 Windows 10 Pro for Workstations Tower Workstation Black:](#)

HP's best-selling performance workstation

Perfect for engineering, visualization and Machine Learning, HP's most popular workstation delivers disruptive performance for a wide spectrum of applications. With a choice of Intel Xeon or Core X processors, and support for dual extreme graphics, you get all you need, nothing more.



Processor		Design	
Processor manufacturer *	Intel	Cable lock slot	✓
Processor family *	Intel Xeon W	Cable lock slot type	Kensington
Processor model *	W-2255	Product colour *	Black
Processor cores	10	Country of origin	China
Processor threads	20	Performance	
Processor boost frequency	4,5 GHz	Market positioning	Business
Processor frequency *	3,7 GHz	Motherboard chipset	Intel® C422
Processor cache	19,25 MB	Audio chip	Realtek ALC221
Processor lithography	14 nm	Product type *	Workstation
Processor operating modes	64-bit	Software	
Processor codename	Cascade Lake	Operating system architecture	64-bit
Thermal Design Power (TDP)	165 W	Operating system installed *	Windows 10 Pro for Workstations
Tcase	62 °C	Processor special features	
PCI Express slots version	3.0	Intel 64	✓
Maximum number of PCI Express lanes	48	Enhanced Intel SpeedStep Technology	✓
Number of processors installed	1	Embedded options available	✗
Maximum internal memory supported by processor	1,02 TB	Intel VT-x with Extended Page Tables (EPT)	✓
Memory types supported by processor	DDR4-SDRAM	Intel TSX-NI	✓
Memory clock speeds supported by processor	2933 MHz	Idle States	✓
Memory bandwidth supported by processor (max)	93,85 GB/s	Thermal Monitoring Technologies	✓

Memory		Processor special features	
Internal memory *	32 GB	Intel® AES New Instructions (Intel® AES-NI)	✓
Maximum internal memory *	256 GB	Intel® Secure Key	✓
Internal memory type	DDR4-SDRAM	Intel® OS Guard	✓
Memory layout (slots x size)	4 x 8 GB	Intel Trusted Execution Technology	✓
Memory slots	8x DIMM	Execute Disable Bit	✓
ECC	✓	Intel Demand Based Switching	✓
Storage		Intel Software Guard Extensions (Intel SGX)	✗
Total storage capacity *	512 GB	Processor package size	45 x 52.5 mm
Storage media *	SSD	Supported instruction sets	SSE4.2, AVX, AVX 2.0, AVX-512
Optical drive type *	DVD-RW	Scalability	1S
Total SSDs capacity	512 GB	Physical Address Extension (PAE)	✓
Number of SSDs installed	1	Physical Address Extension (PAE)	46 bit
SSD capacity	512 GB	CPU configuration (max)	1
Graphics		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Discrete graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
On-board graphics card *	✗	Processor ARK ID	198016
Discrete graphics card model *	NVIDIA Quadro RTX 4000	Intel® Turbo Boost Technology	2.0
Discrete graphics card memory	8 GB	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Discrete graphics memory type	GDDR6	Intel® Identity Protection Technology (Intel® IPT)	✓
On-board graphics card model *	Not available	Brand-specific features	
Network		HP segment	Business
Ethernet LAN *	✓	Weight & dimensions	
Ethernet LAN data rates	10,100,1000 Mbit/s	Width *	169 mm
Cabling technology	10/100/1000Base-T(X)	Depth *	445 mm
Ports & interfaces		Height *	386 mm
DVI port	✗	Weight *	10,2 kg
PS/2 ports quantity	2	Packaging content	
Ethernet LAN (RJ-45) ports	2	Mouse included	✓
Microphone in	✗	Keyboard included	✓
Headphone outputs	1	Display	
Line-out	✓	Display included *	✗
Line-in	✓		
Combo headphone/mic port	✓		
Design			
Chassis type *	Tower		
Placement supported	Vertical		



0195122051044



195122051044

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 11-AUG-2025. Prints or copies of Information are only valid on the printed Publication date