



HP Z8 G4 Intel® Xeon® Gold 4214R 32 GB DDR4-SDRAM 512 GB SSD NVIDIA Quadro RTX 6000 Windows 10 Pro for Workstations Tower Workstation Black

Brand : HP

Article code: 9LM68EA#ABH

Product name : Z8 G4

HP Z8 G4. Processor frequency: 2,4 GHz, Processor family: Intel® Xeon® Gold, Processor model: 4214R. Internal memory: 32 GB, Internal memory type: DDR4-SDRAM, Memory clock speed: 2933 MHz. Total storage capacity: 512 GB, Storage media: SSD, Optical drive type: DVD±RW. Discrete graphics card model: NVIDIA Quadro RTX 6000. Operating system installed: Windows 10 Pro for Workstations, Operating system architecture: 64-bit. Chassis type: Tower. Product type: Workstation. Product color: Black



Processor		Ports & interfaces	
Processor manufacturer *	Intel	Combo headphone/mic port	✓
Processor family *	Intel® Xeon® Gold	Serial ports quantity	1
Processor generation	2nd Generation Intel® Xeon® Scalable	Expansion slots	
Processor model *	4214R	PCI Express x4 slots	2
Processor cores	12	PCI Express x8 slots	3
Processor threads	24	PCI Express x16 slots	4
Processor boost frequency	3,5 GHz	Design	
Processor frequency *	2,4 GHz	Chassis type *	Tower
Processor cache	16,5 MB	Placement supported	Vertical
Processor cache type	L3	Number of 3.5" bays	4
Processor lithography	14 nm	Number of 5.25" bays	2
Processor codename	Cascade Lake	Cable lock slot	✓
Thermal Design Power (TDP)	100 W	Cable lock slot type	Kensington
Tcase	79 °C	Product color *	Black
PCI Express slots version	3.0	Country of origin	China
Maximum number of PCI Express lanes	48	Performance	
Number of processors installed	1	Market positioning	Performance
Memory		Motherboard chipset	Intel C622
Internal memory *	32 GB	Audio chip	Realtek ALC221
Maximum internal memory *	1,5 TB	Product type *	Workstation
Internal memory type	DDR4-SDRAM	Software	
Memory layout (slots x size)	2 x 16 GB	Operating system architecture	64-bit

Memory		Software	
Memory slots	12x DIMM	Operating system installed *	Windows 10 Pro for Workstations
Memory clock speed	2933 MHz	Drivers included	✓
ECC	✓	Processor special features	
Storage		Intel 64	✓
Total storage capacity *	512 GB	Enhanced Intel SpeedStep Technology	✓
Storage media *	SSD	Embedded options available	✓
Optical drive type *	DVD±RW	Intel VT-x with Extended Page Tables (EPT)	✓
Total SSDs capacity	512 GB	Intel® AES New Instructions (Intel® AES-NI)	✓
Number of SSDs installed	1	Intel Trusted Execution Technology	✓
SSD capacity	512 GB	Execute Disable Bit	✓
SSD memory type	TLC	Processor package size	76.0 x 56.5 mm
SSD interface	PCI Express	Supported instruction sets	SSE4.2, AVX, AVX 2.0, AVX-512
SSD form factor	M.2	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Graphics		Intel Virtualization Technology (VT-x)	✓
Discrete graphics card *	✓	Processor ARK ID	197100
Discrete GPU manufacturer	NVIDIA	Intel® Turbo Boost Technology	2.0
On-board graphics card *	✗	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Discrete graphics card model *	NVIDIA Quadro RTX 6000	Brand-specific features	
Discrete graphics card memory	24 GB	HP Security tools	HP Sure Start Gen3; HP Keyed Cable Lock Kit; HP Secure Erase
Discrete graphics memory type	GDDR6	HP segment	Business
On-board graphics card model *	Not available	Weight & dimensions	
Network		Width *	215,9 mm
Ethernet LAN *	✓	Depth *	551,2 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Height *	444,5 mm
Cabling technology	10/100/1000Base-T(X)	Weight *	22,4 kg
Ports & interfaces		Packaging content	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	10	Mouse included	✓
DVI port	✗	Keyboard included	✓
PS/2 ports quantity	2	Display	
Ethernet LAN (RJ-45) ports	2	Display included *	✗
Microphone in	✗		
Headphone outputs	1		
Line-out	✓		
Line-in	✓		



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