



HP Z4 G4 Intel® Xeon® W W-2235 128 GB DDR4-SDRAM 6,51 TB HDD+SSD NVIDIA Quadro RTX 8000 Linux Tower Workstation Zwart

Merk : HP

Artikelcode: 11Q95EA#ABB

Productnaam : Z4 G4

- Linux
 - Intel Xeon W-2235 (8.25MB Cache, 3.8GHz)
 - NVIDIA Quadro RTX 8000 (48GB GDDR6)
 - 128GB (2933MHz) DDR4-SDRAM (8 x 16)
- Intel Xeon W-2235 (8.25MB Cache, 3.8GHz), 128GB DDR4-SDRAM, DVD-RW, NVIDIA Quadro RTX 8000 (48GB GDDR6), LAN, Linux

HP Z4 G4 Intel® Xeon® W W-2235 128 GB DDR4-SDRAM 6,51 TB HDD+SSD NVIDIA Quadro RTX 8000 Linux Tower Workstation Zwart:

Het bestverkochte performance-workstation van HP

Het meest populaire workstation van HP biedt ongeëvenaarde prestaties voor een keur aan applicaties en is daarmee perfect voor ontwerp en visualisatie. Met Intel® Xeon®- of Core™ X-processors en ondersteuning voor twee extreem krachtige grafische kaarten hebt u alles wat u nodig hebt, niet meer en niet minder.



Processor		Poorten & interfaces	
Processorfabrikant *	Intel	Seriële poort(en)	1
Processorfamilie *	Intel® Xeon® W	M.2-kaartsleuf (opslag)	2
Processormodel *	W-2235	Uitbreidingsmodules	
Aantal processorkernen	6	PCI Express x4 (Gen 3.x) slots	2
Processor aantal threads	12	PCI Express x8 slots	1
Maximale turbofrequentie van processor	4,6 GHz	PCI Express x16 slots	2
Frequentie van processor *	3,8 GHz	Design	
Processor socket	LGA 2066 (Socket R4)	Type behuizing *	Tower
Processor cache	8,25 MB	Ondersteuning voor plaatsing	Verticaal
Processor cache type	L3	Bevestigingsmogelijkheid voor kabelslot	✓
Processor lithografie	14 nm	Kabelslot sleuf type	Kensington
Processor operating modes	64-bit	Kleur van het product *	Zwart
Codenaam processor	Cascade Lake	Prestatie	
Thermal Design Power (TDP)	130 W	Markt positionering	Prestaties
Tcase	64 °C	Chipset moederbord	Intel® C422
PCI Express slots versie	3.0	Audiochip	Realtek ALC221
Maximaal aantal PCI Express-lijnen	48	Trusted Platform Module (TPM)	✓
PCI Express configuraties	1x4, 1x8, 1x16	Type product *	Workstation
Aantal geïnstalleerde processoren	1	Software	
Maximaal intern geheugen ondersteund door processor	1,02 TB	Inclusief besturingssysteem *	Linux
Geheugentypen ondersteund door processor	DDR4-SDRAM		

Processor		Processor speciale functies	
Klokgeheugen-snelheden ondersteund door processor	2933 MHz	Intel® 64	✓
Geheugenbandbreedte ondersteund door de processor (max)	93,85 GB/s	Enhanced Intel SpeedStep Technology	✓
Geheugen		Ingebouwde opties beschikbaar	✗
Intern geheugen *	128 GB	Intel® VT-x with Extended Page Tables (EPT)	✓
Maximum intern geheugen *	256 GB	Intel® TSX-NI	✓
Intern geheugentype	DDR4-SDRAM	Idle States	✓
Geheugenlayout	8 x 16 GB	Thermal Monitoring Technologies	✓
Geheugenslots	8x DIMM	Intel® AES New Instructions (Intel® AES-NI)	✓
Kloksnelheid geheugen	2933 MHz	Intel® Secure Key	✓
ECC	✓	Intel® OS Guard	✓
Opslagmedia		Intel® Trusted Execution Technology	✓
Totale opslagcapaciteit *	6,51 TB	Execute Disable Bit	✓
Opslagmedia *	HDD+SSD	Intel® Flex Memory Access	✗
Soort optische drive *	DVD-RW	Intel® Demand Based Switching	✓
Totale capaciteit HDD's	4 TB	Intel® Software Guard Extensions (Intel® SGX)	✗
Het aantal geïnstalleerde HDD's	1	Verpakkingsgrootte processor	45 x 52.5 mm
HDD capaciteit	4 TB	Ondersteunde instructie sets	SSE4.2, AVX, AVX 2.0, AVX-512
HDD interface	SATA	Schaalbaarheid	1S
HDD rotatiesnelheid	7200 RPM	Physical Address Extension (PAE)	✓
Totale capaciteit SSD's	2,51 TB	Physical Address Extension (PAE)	46 Bit
Aantal geïnstalleerde SSD's	2	CPU configuratie (max)	1
SSD capaciteit	512 GB	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
SSD-geheugentype	TLC	Intel® Virtualization Technology (VT-x)	✓
SSD interfaces	NVMe, PCI Express	ARK ID processor	198608
NVMe	✓	Intel® Turbo Boost Technology	2.0
SSD-vormfactor	M.2	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Grafisch		Intel® Identity Protection Technology (Intel® IPT)	✓
Aparte grafische adapter *	✓	Brand-specifieke functies	
Fabrikant van aparte grafische adapter	NVIDIA	HP Security tools	HP Keyed Cable Lock Kit; HP Secure Erase; HP Sure Start Gen3; HP Device Access Manager; HP Sure Click; HP BIOSphere Gen3; HP Client Security Manager Gen3; HP MIK/SCCM Gen2
Ingebouwde grafische adapter *	✗	HP-segment	Bedrijf
Discreet grafische adapter model *	NVIDIA Quadro RTX 8000	Energie	
Grafische geheugen	48 GB	Netvoeding *	1000 W
Specifiek grafisch geheugentype	GDDR6	Gewicht en omvang	
On-board graphics adapter model *	Niet beschikbaar	Breedte *	386 mm
Netwerk		Diepte *	169 mm
Ethernet LAN *	✓	Hoogte *	445 mm
Ethernet LAN, data-overdrachtsnelheden	10,100,1000 Mbit/s	Gewicht *	10,2 kg
Wifi *	✗	Inhoud van de verpakking	
Poorten & interfaces		Inclusief monitor *	✗
Aantal poorten USB 3.2 Gen 1 (3.1 Gen 1) Type A *	8	Inclusief muis	✓
Aantal poorten USB 3.2 Gen 2 (3.1 Gen 2) Type C *	2	Toetsenbord inbegrepen	✓
PS/2 poort(en)	2	Logistieke gegevens	
Aantal Ethernet LAN (RJ-45)-poorten	2	Code geharmoniseerd systeem (HS)	84715000
Lijnuitgang	✓	Overige specificaties	
Lijningang	✓	Grafische adapter interface	PCIe x16
Combo koptelefoon/microfoon port	✓		



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