



DELL Xeon 4214 processor 2,2 GHz 16,5 MB

Merk : DELL

Productfamilie: Xeon

Artikelcode: 338-BSDR

Productnaam : 4214

Intel Xeon Silver 4214 2.2GHz, 12C/24T, 9.6GT/s, 16.5M Cache, Turbo, HT (85W)
DELL Xeon 4214. Processorfamilie: Intel® Xeon® Silver, Processor socket: LGA 3647 (Socket P), Processor lithografie: 14 nm. Geheugen kanaal: Zeskanaals, Maximaal intern geheugen ondersteund door processor: 1,02 TB, Geheugentypen ondersteund door processor: DDR4-SDRAM. Marktsegment: Server, Ondersteunde instructie sets: AVX-512, Schaalbaarheid: 2S. Verpakkingsgrootte processor: 76.0 x 56.5 mm. Compatibiliteit: - PowerEdge R940 - PowerEdge M640 VRTX - PowerEdge R740 - PowerEdge T440 - PowerEdge R740XD -...



Processor		Processor speciale functies	
Processorgeneratie	2e generatie Intel® Xeon® schaalbaar	Intel® Trusted Execution Technology	✓
Processormodel *	4214	Intel® Speed Shift-technologie	✓
Basisfrequentie processor *	2,2 GHz	Intel® VT-x with Extended Page Tables (EPT)	✓
Processorfamilie *	Intel® Xeon® Silver	Intel® TSX-NI	✓
Aantal processorkernen *	12	Intel® 64	✓
Processor socket *	LGA 3647 (Socket P)	Intel® Virtualization Technology (VT-x)	✓
Component voor	Server/werkplaats	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Processor lithografie *	14 nm	Intel® Turbo Boost Max Technology 3.0	✗
Processor aantal threads	24	AVX-512 Fused Multiply-Add (FMA) eenheden	1
Processor operating modes *	64-bit	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Maximale turbofrequentie van processor	3,2 GHz	Intel® Speed Select-technologie - Prestatieprofiel (Intel® SST-PP)	✗
Processor cache	16,5 MB	Intel® Resource Director-technologie (Intel® RDT)	✓
Thermal Design Power (TDP)	85 W	Intel® Volume Management Device (VMD)	✓
Box *	✗	Intel® Run Sure-technologie	✗
Inclusief koeler *	✗	Mode-based Execute Control (MBE)	✓
Codenaam processor	Cascade Lake	Intel® Optane™ DC Persistent Memory ondersteunt	✗
ARK ID processor	193385	Intel® vPro™ Platform Eligibility	✓
Geheugen		Intel Speed Select-technologie (SST)	✗
Maximaal intern geheugen ondersteund door processor	1,02 TB	Intel® Speed Select-technologie - Basisfrequentie (Intel® SST-BF)	✗
Geheugentypen ondersteund door processor	DDR4-SDRAM	Intel® Optane™ DC Persistent Memory-technologie	✗
Klokgeheugen-snelheden ondersteund door processor	2400 MHz	Eisen aan de omgeving	
Geheugen kanaal *	Zeskanaals	Tcase	77 °C
ECC	✓	Technische details	
Grafisch		Lanceringsdatum	Q2'19
Ingebouwde grafische adapter *	✗	Type product	Processor
Aparte grafische adapter *	✗	Status	Launched
On-board graphics adapter model *	Niet beschikbaar	Geheugensnelheid (max)	2400 MHz
Discreet grafische adapter model *	Niet beschikbaar	Aantal UPI-koppelingen	2
Kenmerken			
Execute Disable Bit	✓		
Marktsegment	Server		
Maximaal aantal PCI Express-lijnen	48		
PCI Express slots versie	3.0		
Ondersteunde instructie sets	AVX-512		
Schaalbaarheid	2S		

Kenmerken	Logistieke gegevens
Ingebouwde opties beschikbaar ✓	Code geharmoniseerd systeem (HS) 85423119
PCI Express CEM revisie 3.0	
Processor speciale functies	Gewicht en omvang
Intel® Hyper Threading Technology (Intel® HT Technology) ✓	Verpakkingsgrootte processor 76.0 x 56.5 mm
Intel® Turbo Boost Technology 2.0	
Intel® AES New Instructions (Intel® AES-NI) ✓	Overige specificaties - PowerEdge R940 - PowerEdge M640 VRTX - PowerEdge R740 - PowerEdge T440 - PowerEdge R740XD - PowerEdge T640 - PowerEdge M640 - PowerEdge R740xd2 - PowerEdge C4140 - PowerEdge MX740C - PowerEdge R440 - PowerEdge FC640 - PowerEdge R540 - PowerEdge R640 - PowerEdge C6420 - PowerEdge XR2
Enhanced Intel SpeedStep Technology ✓	
Compatibiliteit	



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