



DELL Xeon Silver 4314 processor 2,4 GHz 24 MB

Merk : DELL

Productfamilie: Xeon

Artikelcode: 338-CBXX

Productnaam : Silver 4314

Intel Xeon Silver 4314 Processor (24MB Cache, up to 3.4 GHz)

DELL Xeon Silver 4314. Processorfamilie: Intel® Xeon® Silver, Processor socket: LGA 4189, Processor lithografie: 10 nm. Geheugen kanaal: Achtkanaals, Maximaal intern geheugen ondersteund door processor: 6,14 TB, Geheugentypen ondersteund door processor: DDR4-SDRAM. Marktsegment: Server, Ondersteunde instructie sets: SSE4.2, AVX, AVX 2.0, AVX-512, Schaalbaarheid: 2S. Ondersteuning voor maximale enclavegrootte voor Intel® SGX: 8 GB. Type verpakking: Retaildoos



Processor		Processor speciale functies	
Processorfabrikant *	Intel	Intel® Turbo Boost Technology	2.0
Processorgeneratie	3e generatie Intel® Xeon® schaalbaar	Intel® AES New Instructions (Intel® AES-NI)	✓
Processormodel *	4314	Intel® Trusted Execution Technology	✓
Basisfrequentie processor *	2,4 GHz	Intel® Speed Shift-technologie	✓
Processorfamilie *	Intel® Xeon® Silver	Intel® Transactional Synchronization Extensions	✓
Aantal processorkernen *	16	Intel® Total Memory Encryption	✓
Processor socket *	LGA 4189	Intel® Crypto Acceleration	✓
Component voor	Server/werkplaats	Ondersteuning voor Intel® Platform Firmware Resilience	✓
Processor lithografie *	10 nm	Ondersteuning voor maximale enclavegrootte voor Intel® SGX	8 GB
Processor aantal threads	32	Intel® VT-x with Extended Page Tables (EPT)	✓
Systeembus	10,4 GT/s	Intel® Software Guard Extensions (Intel® SGX)	✓
Processor operating modes *	64-bit	Intel® 64	✓
Maximale turbofrequentie van processor	3,4 GHz	Intel® Virtualization Technology (VT-x)	✓
Processor cache	24 MB	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Thermal Design Power (TDP)	135 W	AVX-512 Fused Multiply-Add (FMA) eenheden	2
Box *	✗	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Inclusief koeler *	✗	Intel® Resource Director-technologie (Intel® RDT)	✓
Codenaam processor	Ice Lake	Intel® Volume Management Device (VMD)	✓
ARK ID processor	215269	Mode-based Execute Control (MBE)	✓
Geheugen			
Maximaal intern geheugen ondersteund door processor	6,14 TB		
Geheugentypen ondersteund door processor	DDR4-SDRAM		
Klokgeheugen-snelheden ondersteund door processor	2667 MHz		
Geheugen kanaal *	Achtkanaals		
ECC	✓		

Grafisch		Processor speciale functies	
Ingebouwde grafische adapter *	✗	Intel® Optane™ DC Persistent Memory ondersteunt	✓
Aparte grafische adapter *	✗	Eisen aan de omgeving	
On-board graphics adapter model *	Niet beschikbaar	Tcase	86 °C
Discreet grafische adapter model *	Niet beschikbaar	Technische details	
Kenmerken		Lanceringsdatum	Q2'21
Execute Disable Bit	✓	Status	Launched
Marktsegment	Server	Ondersteunde geheugen types	DDR4-SDRAM
Maximaal aantal PCI Express-lijnen	64	Geheugensnelheid (max)	2667 MHz
PCI Express slots versie	4.0	Aantal UPI-koppelingen	2
Ondersteunde instructie sets	SSE4.2, AVX, AVX 2.0, AVX-512	Logistieke gegevens	
Schaalbaarheid	2S	Code geharmoniseerd systeem (HS)	85423119
Ingebouwde opties beschikbaar	✓	Verpakking	
Export Control Classification Number (ECCN)	5A992CN3	Type verpakking	Retaildoos
Commodity Classification Automated Tracking System (CCATS)	G178966	Gewicht en omvang	
Processor speciale functies		Verpakkingsgrootte processor	77.5 x 56.5 mm
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Overige specificaties	
		Maximum intern geheugen	6 TB



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