

Intel Xeon Silver 4316 processor 2,3 GHz 30 MB

Merk : Intel

Productfamilie: Xeon

 Artikelcode:
CD8068904656601

Productnaam : Silver 4316

Intel Xeon Silver 4316. 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® AES New Instructions (Intel® AES-NI)	✓
Processorgeneratie	3e generatie Intel® Xeon® schaalbaar	Intel® Trusted Execution Technology	✓
Processormodel *	4316	Intel® Speed Shift-technologie	✓
Basisfrequentie processor *	2,3 GHz	Intel® Transactional Synchronization Extensions	✓
Processorfamilie *	Intel® Xeon® Silver	Intel® Total Memory Encryption	✓
Aantal processorkernen *	20	Intel® Crypto Acceleration	✓
Processor socket *	LGA 4189	Ondersteuning voor Intel® Platform Firmware Resilience	✓
Component voor	Server/werkplaats	Ondersteuning voor maximale enclavegrootte voor Intel® SGX	8 GB
Processor lithografie *	10 nm	Intel® VT-x with Extended Page Tables (EPT)	✓
Processor aantal threads	40	Intel® Software Guard Extensions (Intel® SGX)	✓
Systeembus	10,4 GT/s	Intel® 64	✓
Processor operating modes *	64-bit	Intel® Virtualization Technology (VT-x)	✓
Maximale turbofrequentie van processor	3,4 GHz	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Processor cache	30 MB	AVX-512 Fused Multiply-Add (FMA) eenheden	2
Thermal Design Power (TDP)	150 W	Intel® Deep Learning Boost (Intel® DL Boost)	✓
Box *	✗	Intel® Resource Director-technologie (Intel® RDT)	✓
Inclusief koeler *	✗	Intel® Volume Management Device (VMD)	✓
Codenaam processor	Ice Lake	Mode-based Execute Control (MBE)	✓
ARK ID processor	215270	Intel® Optane™ DC Persistent Memory ondersteunt	✗
Geheugen		Eisen aan de omgeving	
Maximaal intern geheugen ondersteund door processor	6,14 TB	Tcase	84 °C
Geheugentypen ondersteund door processor	DDR4-SDRAM	Technische details	
Klokgeheugen-snelheden ondersteund door processor	2667 MHz	Doelgroep	Cloud Computing
Geheugen kanaal *	Achtkanaals	Lanceringsdatum	Q2'21
ECC	✓	Status	Launched
Grafisch		Ondersteunde geheugen types	DDR4-SDRAM
Ingebouwde grafische adapter *	✗	Geheugensnelheid (max)	2667 MHz
Aparte grafische adapter *	✗	Aantal UPI-koppelingen	2
On-board graphics adapter model *	Niet beschikbaar		
Discreet grafische adapter model *	Niet beschikbaar		
Kenmerken			
Execute Disable Bit	✓		
Marktsegment	Server		
Maximaal aantal PCI Express-lijnen	64		
PCI Express slots versie	4.0		

Kenmerken		Technische details	
Ondersteunde instructie sets	SSE4.2, AVX, AVX 2.0, AVX-512	Onderhoudsstatus	Baseline Servicing
Schaalbaarheid	25	Logistieke gegevens	
Ingebouwde opties beschikbaar	✓	Code geharmoniseerd systeem (HS) 85423119	
Export Control Classification Number (ECCN)	5A992CN3	Verpakking	
Commodity Classification Automated Tracking System (CCATS)	G178966	Type verpakking	Retaildoos
Processor speciale functies		Gewicht en omvang	
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Verpakkingsgrootte processor	77.5 x 56.5 mm
Intel® Turbo Boost Technology	2.0	Overige specificaties	
		Maximum intern geheugen	6 TB

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