



DELL Xeon Silver 4314 suoritin 2,4 GHz 24 MB

Tuotemerkki : DELL

Tuoteperhe: Xeon

Tuotekoodi: 338-CBXX

Tuotteen nimi : Silver 4314

DELL Xeon Silver 4314. Suoritinperhe: Intel® Xeon Silver, Prosessorin kanta: LGA 4189, Prosessorin litografia: 10 nm. Muistikanavat: Octa-kanava, Prosessorin tukema suurin sisäinen muisti: 6,14 TB, Prosessorin tukemat muistityypit: DDR4-SDRAM. Markkinasegmentti: Palvelin, Tuetut ohjepaketit: SSE4.2, AVX, AVX 2.0, AVX-512, Skaalautuvuus: 2S. Intel® SGX:n tuettu enklavin enimmäiskoko: 8 GB. Pakkaustyypyi: Myyntilaatikko



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor generation	3rd Generation Intel® Xeon® Scalable	Intel Trusted Execution Technology	✓
Processor model *	4314	Intel® Speed Shift Technology	✓
Processor base frequency *	2.4 GHz	Intel® Transactional Synchronization Extensions	✓
Processor family *	Intel Xeon Silver	Intel® Total Memory Encryption	✓
Processor cores *	16	Intel® Crypto Acceleration	✓
Processor socket *	LGA 4189	Intel® Platform Firmware Resilience Support	✓
Component for	Server/workstation	Maximum Enclave Size Support for Intel® SGX	8 GB
Processor lithography *	10 nm	Intel VT-x with Extended Page Tables (EPT)	✓
Processor threads	32	Intel Software Guard Extensions (Intel SGX)	✓
System bus rate	10.4 GT/s	Intel 64	✓
Processor operating modes *	64-bit	Intel Virtualization Technology (VT-x)	✓
Processor boost frequency	3.4 GHz	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor cache	24 MB	AVX-512 Fused Multiply-Add (FMA) units	2
Thermal Design Power (TDP)	135 W	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Box *	✗	Intel® Resource Director Technology (Intel® RDT)	✓
Cooler included *	✗	Intel® Volume Management Device (VMD)	✓
Processor codename	Ice Lake	Mode-based Execute Control (MBE)	✓
Processor ARK ID	215269	Intel® Optane™ DC Persistent Memory Supported	✓
Memory		Operational conditions	
Maximum internal memory supported by processor	6.14 TB	Tcase	86 °C
Memory types supported by processor	DDR4-SDRAM	Technical details	
Memory clock speeds supported by processor	2667 MHz	Launch date	Q2'21
Memory channels *	Octa-channel	Status	Launched
ECC	✓	Supported memory types	DDR4-SDRAM
Graphics		Memory speed (max)	2667 MHz
On-board graphics card *	✗	Number of UPI links	2
Discrete graphics card *	✗		
On-board graphics card model *	Not available		
Discrete graphics card model *	Not available		
Features			
Execute Disable Bit	✓		
Market segment	Server		
Maximum number of PCI Express lanes	64		

Features		Logistics data	
PCI Express slots version	4.0	Harmonized System (HS) code	85423119
Supported instruction sets	SSE4.2, AVX, AVX 2.0, AVX-512	Packaging data	
Scalability	2S	Package type	Retail box
Embedded options available	✓	Weight & dimensions	
Export Control Classification Number (ECCN)	5A992CN3	Processor package size	77.5 x 56.5 mm
Commodity Classification Automated Tracking System (CCATS)	G178966	Other features	
Processor special features		Maximum internal memory	6 TB
Intel® Hyper Threading Technology (Intel® HT Technology)	✓		
Intel® Turbo Boost Technology	2.0		



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