



## DELL Xeon Silver 4309Y suoritin 2,8 GHz 12 MB

**Tuotemerkki :** DELL

**Tuoteperhe:** Xeon

**Tuotekoodi:** 338-CBXY

**Tuotteen nimi :** Silver 4309Y

DELL Xeon Silver 4309Y. 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. Pakkaustyyppi: 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 *	4309Y	Intel® Speed Shift Technology	✓
Processor base frequency *	2.8 GHz	Intel® Transactional Synchronization Extensions	✓
Processor family *	Intel Xeon Silver	Intel® Total Memory Encryption	✓
Processor cores *	8	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	16	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	3.6 GHz	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor cache	12 MB	AVX-512 Fused Multiply-Add (FMA) units	2
Thermal Design Power (TDP)	105 W	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Box *	✗	Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✓
Cooler included *	✗	Intel® Resource Director Technology (Intel® RDT)	✓
Processor codename	Ice Lake	Intel® Volume Management Device (VMD)	✓
Processor ARK ID	215275	Mode-based Execute Control (MBE)	✓
<b>Memory</b>		Intel® Optane™ DC Persistent Memory Supported	✗
Maximum internal memory supported by processor	6.14 TB	<b>Operational conditions</b>	
Memory types supported by processor	DDR4-SDRAM	Tcase	76 °C
Memory clock speeds supported by processor	2667 MHz	<b>Technical details</b>	
Memory channels *	Octa-channel	Launch date	Q2'21
ECC	✓	Status	Launched
<b>Graphics</b>		Supported memory types	DDR4-SDRAM
On-board graphics card *	✗	Memory speed (max)	2667 MHz
Discrete graphics card *	✗		
On-board graphics card model *	Not available		
Discrete graphics card model *	Not available		
<b>Features</b>			
Execute Disable Bit	✓		
Market segment	Server		
Maximum number of PCI Express lanes	64		

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



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