![DELL logo]

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 enklaavin enimmäiskoko: 8 GB. Pakkaustyyppi: Myyntilaatikko

Processor

Processor manufacturer *	Intel
Processor generation	3rd Generation Intel® Xeon® Scalable
Processor model *	4309Y
Processor base frequency *	2.8 GHz
Processor family *	Intel Xeon Silver
Processor cores *	8
Processor socket *	LGA 4189
Component for	Server/workstation
Processor lithography *	10 nm
Processor threads	16
System bus rate	10.4 GT/s
Processor operating modes *	64-bit
Processor boost frequency	3.6 GHz
Processor cache	12 MB
Thermal Design Power (TDP)	105 W
Box *	✘
Cooler included *	✘
Processor codename	Ice Lake
Processor ARK ID	215275

Memory

Maximum internal memory supported by processor	6.14 TB
Memory types supported by processor	DDR4-SDRAM
Memory clock speeds supported by processor	2667 MHz
Memory channels *	Octa-channel
ECC	✔

Graphics

On-board graphics card *	✘
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

Processor special features

Intel® AES New Instructions (Intel® AES-NI)	✔
Intel Trusted Execution Technology	✔
Intel® Speed Shift Technology	✔
Intel® Transactional Synchronization Extensions	✔
Intel® Total Memory Encryption	✔
Intel® Crypto Acceleration	✔
Intel® Platform Firmware Resilience Support	✔
Maximum Enclave Size Support for Intel® SGX	8 GB
Intel VT-x with Extended Page Tables (EPT)	✔
Intel Software Guard Extensions (Intel SGX)	✔
Intel 64	✔
Intel Virtualization Technology (VT-x)	✔
Intel Virtualization Technology for Directed I/O (VT-d)	✔
AVX-512 Fused Multiply-Add (FMA) units	2
Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✔
Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✔
Intel® Resource Director Technology (Intel® RDT)	✔
Intel® Volume Management Device (VMD)	✔
Mode-based Execute Control (MBE)	✔
Intel® Optane™ DC Persistent Memory Supported	✘

Operational conditions

Tcase	76 °C

Technical details

Launch date	Q2'21
Status	Launched
Supported memory types	DDR4-SDRAM
Memory speed (max)	2667 MHz

Features

PCI Express slots version	4.0
Supported instruction sets	SSE4.2, AVX, AVX 2.0, AVX-512
Scalability	2S
Embedded options available	✗
Export Control Classification Number (ECCN)	5A992CN3
Commodity Classification Automated Tracking System (CCATS)	G178966

Processor special features

Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	2.0

Technical details

Number of UPI links	2

Logistics data

Harmonized System (HS) code	85423119

Packaging data

Package type	Retail box

Weight & dimensions

Processor package size	77.5 x 56.5 mm

Other features

Maximum internal memory	6 TB

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