Lenovo Xeon Intel Silver 4309Y processor 2.8 GHz 12 MB

Brand : Lenovo Product family: Xeon Product code: 4XG7A72930

Product name: Intel Silver

4309Y

Intel Xeon Silver 4309Y Processor (12MB Cache, up to 3.6 GHz)

Lenovo Xeon Intel Silver 4309Y. Processor family: Intel Xeon Silver, Processor socket: LGA 4189, Processor lithography: 10 nm. Memory channels: Octa-channel, Maximum internal memory supported by processor: 6.14 TB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Supported instruction sets: SSE4.2, AVX, AVX 2.0, AVX-512, Scalability: 2S. Maximum Enclave Size Support for Intel® SGX: 8 GB. Package type: Retail box





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	•
Processor family *	Intel Xeon Silver	Synchronization Extensions	✓
Processor cores *	8	Intel® Total Memory Encryption	✓
Processor socket *	LGA 4189	Intel® Crypto Acceleration	/
Component for	Server/workstation	Intel® Platform Firmware Resilience	•
Processor lithography *	10 nm	Support	
Processor threads	16	Maximum Enclave Size Support for	8 GB
System bus rate	10.4 GT/s	Intel® SGX	
Processor operating modes *	64-bit	Intel VT-x with Extended Page	✓
Processor boost frequency	3.6 GHz	Tables (EPT)	
Processor cache	12 MB	Intel Software Guard Extensions (Intel SGX)	✓
Thermal Design Power (TDP)	105 W	Intel 64	1
Box *	×	Intel Virtualization Technology (VT-	·
Cooler included *	×	x)	1
Processor codename	Ice Lake	Intel Virtualization Technology for	✓
Processor ARK ID	215275	Directed I/O (VT-d)	
Memory		AVX-512 Fused Multiply-Add (FMA) units	2
Maximum internal memory supported by processor	6.14 TB	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Memory types supported by processor	DDR4-SDRAM	Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✓
Memory clock speeds supported by processor	2667 MHz	Intel® Resource Director Technology (Intel® RDT)	✓
Memory channels *	Octa-channel	Intel® Volume Management Device	
ECC	✓	(VMD)	

Graphics		Processor special features	
On-board graphics card *	x	Mode-based Execute Control (MBE)	✓
Discrete graphics card * On-board graphics card model *	X Not available	Intel® Optane™ DC Persistent Memory Supported	×
Discrete graphics card model *	Not available	Operational conditions	
Features		Tcase	76 °C
Execute Disable Bit	1	Technical details	
Market segment	Server	Launch date	Q2'21
Maximum number of PCI Express lanes	64	Status Supported memory types	Launched DDR4-SDRAM
PCI Express slots version	4.0	Memory speed (max)	2667 MHz
Supported instruction sets	SSE4.2, AVX, AVX 2.0, AVX-512	Number of UPI links	2
Scalability	2S	Logistics data	
Embedded options available	×	Harmonized System (HS) code	85423119
Export Control Classification Number (ECCN)	5A992CN3	Packaging data	03 123 123
Commodity Classification Automated Tracking System G1	G178966	Package type	Retail box
(CCATS)		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





889488575718

0889488575718

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.