Lenovo Xeon Intel Silver 4309Y suoritin 2,8 GHz 12 MB

Tuotemerkki : Lenovo

Tuoteperhe: Xeon

Tuotekoodi: 4XG7A72930

Tuotteen nimi : Intel Silver 4309Y

Lenovo Xeon Intel 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 special features	
Processor manufacturer *	Intel	Intel® AES New Instructions (Intel®	1
Processor generation	3rd Generation Intel® Xeon®	AES-NI)	
-	Scalable	Intel Trusted Execution Technology	1
Processor model *	4309Y	Intel [®] Speed Shift Technology	1
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	1
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	0.00
Processor operating modes *	64-bit	Intel VT-x with Extended Page	1
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)	1
Memory clock speeds supported by processor	2667 MHz	Intel® Resource Director Technology (Intel® RDT)	•
Memory channels *	Octa-channel	Intel® Volume Management Device (VMD)	
ECC	1		

Graphics		Processor special features		
On-board graphics card *	x	Mode-based Execute Control (MBE)	1	
5 - 1 - 5 - 1	× 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	25	Logistics data		
Embedded options available	×	Harmonized System (HS) code	85423119	
Export Control Classification Number (ECCN)	5A992CN3	Packaging data	03423113	
Commodity Classification Automated Tracking System	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)	1	Other features		
Intel® Turbo Boost Technology	2.0	Maximum internal memory	6 TB	





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