Lenovo Xeon Intel Silver 4309Y Option Kit w/o Fan processor 2.8 GHz 12 MB

Brand : Lenovo

Product family: Xeon Product

Product code: 4XG7A63398

Product name : Intel Silver 4309Y Option Kit w/o Fan

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

Lenovo Xeon Intel Silver 4309Y Option Kit w/o Fan. 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





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8 GB

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Processor Processor special features Processor manufacturer * Intel® AES New Instructions (Intel® Intel AES-NI) 3rd Generation Intel® Xeon® Processor generation Scalable Intel Trusted Execution Technology Processor model * 4309Y Intel[®] Speed Shift Technology 2.8 GHz Processor base frequency * Intel® Transactional Intel Xeon Silver Processor family * Synchronization Extensions 8 Processor cores * Intel® Total Memory Encryption Processor socket * LGA 4189 Intel® Crypto Acceleration Component for Server/workstation Intel® Platform Firmware Resilience 10 nm Processor lithography * Support Processor threads 16 Maximum Enclave Size Support for 10.4 GT/s Intel[®] SGX System bus rate Intel VT-x with Extended Page Processor operating modes * 64-bit Tables (EPT) Processor boost frequency 3.6 GHz Intel Software Guard Extensions 12 MB Processor cache (Intel SGX) Thermal Design Power (TDP) 105 W Intel 64 Box * X Intel Virtualization Technology (VT-Cooler included * × x) Processor codename Ice Lake Intel Virtualization Technology for Directed I/O (VT-d) Processor ARK ID 215275 AVX-512 Fused Multiply-Add (FMA) Memory units Maximum internal memory Intel® Deep Learning Boost (Intel® 6.14 TB DL Boost) on CPU supported by processor Memory types supported by Intel® Speed Select technology -DDR4-SDRAM Performance Profile (Intel® SST-PP) processor Memory clock speeds supported by Intel® Resource Director 2667 MHz Technology (Intel® RDT) processor Octa-channel Intel® Volume Management Device Memory channels * (VMD) ECC

Graphics		Processor special features	
On-board graphics card *	x	Mode-based Execute Control (MBE)	1
Discrete graphics card * On-board graphics card model *	× 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 (CCATS)	G178966	Package type	Retail box
		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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