

## Lenovo Xeon Intel Silver 4310T suoritin 2,3 GHz 15 MB

Tuotemerkki: Lenovo Tuoteperhe: Xeon Tuotekoodi: 4XG7A72949

Tuotteen nimi: Intel Silver

4310T

Lenovo Xeon Intel Silver 4310T. Suoritinperhe: Intel® Xeon Silver, Prosessorin kanta: LGA 4189, Prosessorin litografia: 10 nm. Muistikanavat: Octa-kanava, 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. Prosessorin pakkauskoko: 77.5 x 56.5 mm

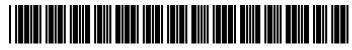




Processor		Processor special features	
Processor manufacturer *	Intel		<b>✓</b>
Processor generation	3rd Generation Intel® Xeon® Scalable	AES-NI)	
•		Intel Trusted Execution Technology	✓
Processor model *	4310T	Intel® Speed Shift Technology	✓
Processor base frequency *	2.3 GHz	Intel® Transactional	<b>✓</b>
Processor family *	Intel Xeon Silver	Synchronization Extensions	·
Processor cores *	10	Intel® Total Memory Encryption	✓
Processor socket *	LGA 4189	Intel® Crypto Acceleration	✓
Component for	Server/workstation	Intel® Platform Firmware Resilience Support	2 🗸
Processor lithography *	10 nm		
Processor series	Intel Xeon Silver 4000 Series	Maximum Enclave Size Support for Intel® SGX	8 GB
Processor threads	20		
System bus rate	10.4 GT/s	Intel VT-x with Extended Page Tables (EPT) Intel Software Guard Extensions	✓
Processor operating modes *	64-bit		
Processor boost frequency	3.4 GHz	(Intel SGX)	✓
Processor cache	15 MB	Intel 64	/
Thermal Design Power (TDP)	105 W	Intel Virtualization Technology (VT-x)	· ·
Box *	×		
Cooler included *	×	Intel Virtualization Technology for	<b>✓</b>
Processor codename	Ice Lake	Directed I/O (VT-d)	
Memory		AVX-512 Fused Multiply-Add (FMA) units	2
Memory types supported by processor	DDR4-SDRAM	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Memory channels *	Octa-channel	Intel® Resource Director	1
ECC	/	Technology (Intel® RDT)	•
Graphics		Intel® Volume Management Device (VMD)	<b>✓</b>
•		Mode-based Execute Control (MBE)	<b>✓</b>
On-board graphics card *	×	Flode based Execute Collition (FIBE)	
Discrete graphics card *	×		

Graphics		Processor special features	
On-board graphics card model * Discrete graphics card model *	Not available Not available	Intel® Optane™ DC Persistent Memory Supported	×
Features		Operational conditions	
Execute Disable Bit	/	Tcase	88 °C
Market segment	Server	Technical details	
Maximum number of PCI Express lanes	64	Launch date Status	Q2'21 Launched
PCI Express slots version	4.0	Supported memory types	DDR4-SDRAM
Supported instruction sets	SSE4.2, AVX, AVX 2.0, AVX-512	Memory speed (max)	2667 MHz
Scalability	2S	Number of UPI links	2
Embedded options available	✓	Louistico data	
Export Control Classification Number (ECCN)	5A992CN3	<b>Logistics data</b> Harmonized System (HS) code	85423119
Commodity Classification Automated Tracking System (CCATS)	G178966	Weight & dimensions	
		Processor package size	77.5 x 56.5 mm
Processor special features		Other features	
Intel® Hyper Threading Technology (Intel® HT Technology)	•	Maximum internal memory	6 TB
Intel® Turbo Boost Technology	2.0		





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