



Lenovo Xeon Intel Silver 4310T processor 2.3 GHz 15 MB

Brand : Lenovo

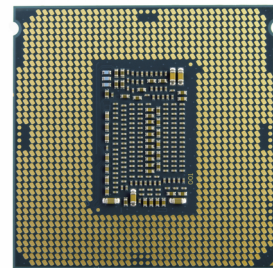
Product family: Xeon

Product code: 4XG7A72949

Product name : Intel Silver 4310T

Intel® Xeon® Silver 4310T Processor (15M Cache, 2.30 GHz)

Lenovo Xeon Intel Silver 4310T. Processor family: Intel Xeon Silver, Processor socket: LGA 4189, Processor lithography: 10 nm. Memory channels: Octa-channel, 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. Processor package size: 77.5 x 56.5 mm



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 *	4310T	Intel® Speed Shift Technology	✓
Processor base frequency *	2.3 GHz	Intel® Transactional Synchronization Extensions	✓
Processor family *	Intel Xeon Silver	Intel® Total Memory Encryption	✓
Processor cores *	10	Intel® Crypto Acceleration	✓
Processor socket *	LGA 4189	Intel® Platform Firmware Resilience Support	✓
Component for	Server/workstation	Maximum Enclave Size Support for Intel® SGX	8 GB
Processor lithography *	10 nm	Intel VT-x with Extended Page Tables (EPT)	✓
Processor series	Intel Xeon Silver 4000 Series	Intel Software Guard Extensions (Intel SGX)	✓
Processor threads	20	Intel 64	✓
System bus rate	10.4 GT/s	Intel Virtualization Technology (VT-x)	✓
Processor operating modes *	64-bit	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor boost frequency	3.4 GHz	AVX-512 Fused Multiply-Add (FMA) units	2
Processor cache	15 MB	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Thermal Design Power (TDP)	105 W	Intel® Resource Director Technology (Intel® RDT)	✓
Box *	✗	Intel® Volume Management Device (VMD)	✓
Cooler included *	✗	Mode-based Execute Control (MBE)	✓
Processor codename	Ice Lake	Intel® Optane™ DC Persistent Memory Supported	✗
Memory			
Memory types supported by processor	DDR4-SDRAM		
Memory channels *	Octa-channel		
ECC	✓		
Graphics			
On-board graphics card *	✗		
Discrete graphics card *	✗		
On-board graphics card model *	Not available		

Graphics		Operational conditions	
Discrete graphics card model *	Not available	Tcase	88 °C
Features		Technical details	
Execute Disable Bit	✓	Launch date	Q2'21
Market segment	Server	Status	Launched
Maximum number of PCI Express lanes	64	Supported memory types	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	Weight & dimensions	
Commodity Classification Automated Tracking System (CCATS)	G178966	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		



0889488575909



889488575909

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.