



Lenovo Xeon Silver 4310 processor 2.1 GHz 18 MB Smart Cache

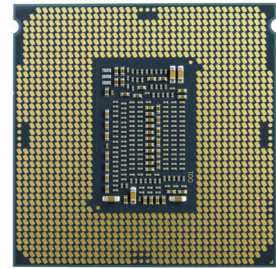
Brand : Lenovo

Product code: 4XG7A63425

Product name : Xeon Silver 4310

Intel Xeon Silver 4310 Processor (18MB Cache, up to 3.3 GHz)

Lenovo Xeon Silver 4310. 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: AVX, AVX 2.0, AVX-512, SSE4.2, Scalability: 2S. Processor package size: 77.5 x 56.5 mm. Compatibility: Lenovo ThinkSystem SR630 V2



Processor		Features	
Processor manufacturer *	Intel	PCI Express slots version	4.0
Processor generation	3rd Generation Intel® Xeon® Scalable	Supported instruction sets	AVX, AVX 2.0, AVX-512, SSE4.2
Processor model *	4310	Scalability	2S
Processor base frequency *	2.1 GHz	Processor special features	
Processor family *	Intel Xeon Silver	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cores *	12	Intel® Turbo Boost Technology	2.0
Processor socket *	LGA 4189	Intel® AES New Instructions (Intel® AES-NI)	✓
Component for	Server/workstation	Intel Trusted Execution Technology	✓
Processor lithography *	10 nm	Intel® Speed Shift Technology	✓
Processor threads	24	Intel VT-x with Extended Page Tables (EPT)	✓
System bus rate	10.4 GT/s	Intel Software Guard Extensions (Intel SGX)	✓
Processor operating modes *	64-bit	Intel 64	✓
Processor boost frequency	3.3 GHz	Intel Virtualization Technology (VT-x)	✓
Processor cache	18 MB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor cache type	Smart Cache	AVX-512 Fused Multiply-Add (FMA) units	2
Thermal Design Power (TDP)	120 W	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Box *	✗	Intel® Resource Director Technology (Intel® RDT)	✓
Cooler included *	✗	Intel® Volume Management Device (VMD)	✓
Stepping	M1	Mode-based Execute Control (MBE)	✓
Processor codename	Ice Lake		
Processor ARK ID	215277		
Memory			
Maximum internal memory supported by processor	6.14 TB		
Memory types supported by processor	DDR4-SDRAM		
Memory clock speeds supported by processor	2667 MHz		

Memory		Operational conditions	
Memory channels *	Octa-channel	Tcase	82 °C
ECC	✓	Logistics data	
Graphics		Harmonized System (HS) code	85423119
On-board graphics card *	✗	Weight & dimensions	
Discrete graphics card *	✗	Processor package size	77.5 x 56.5 mm
On-board graphics card model *	Not available	Other features	
Discrete graphics card model *	Not available	Compatibility	Lenovo ThinkSystem SR630 V2
Features			
Execute Disable Bit	✓		
Market segment	Server		
Maximum number of PCI Express lanes	64		



0889488531028



889488531028

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.