

Lenovo Xeon Silver 4310 suoritin 2,1 GHz 18 MB Smart Cache

Tuotemerkki: Lenovo Tuotekoodi: 4XG7A63425

Tuotteen nimi: Xeon Silver 4310

Lenovo Xeon Silver 4310. 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: AVX, AVX 2.0, AVX-512, SSE4.2, Skaalautuvuus: 2S. Prosessorin pakkauskoko: 77.5 x 56.5 mm. Yhteensopivuus: 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 Scalability	AVX, AVX 2.0, AVX-512, SSE4.2 2S
Processor model *	4310	Processor special features	23
Processor base frequency *	2.1 GHz	•	
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		1
Processor lithography *	10 nm	Intel Trusted Execution Technology	✓
Processor threads	24	Intel® Speed Shift Technology	/
System bus rate	10.4 GT/s	Intel VT-x with Extended Page Tables (EPT) Intel Software Guard Extensions (Intel SGX)	
Processor operating modes *	64-bit		1
Processor boost frequency	3.3 GHz		
Processor cache	18 MB		•
Processor cache type	Smart Cache	Intel 64	✓
Thermal Design Power (TDP)	120 W	Intel Virtualization Technology (VT-	1
Box *	×	x)	
Cooler included *	×	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Stepping	M1	AVX-512 Fused Multiply-Add (FMA) units	2
Processor codename	Ice Lake		
Processor ARK ID	215277	Intel® Deep Learning Boost (Intel®	/
Memory		DL Boost) on CPU	
Maximum internal memory supported by processor	6.14 TB	Intel® Resource Director Technology (Intel® RDT)	✓
Memory types supported by		Intel® Volume Management Device (VMD)	✓
processor	DDR4-SDRAM		
Memory clock speeds supported by processor	2667 MHz	Mode-based Execute Control (MBE)	•

Memory	
Memory channels *	Octa-channel
ECC	✓
Graphics	
On-board graphics card *	×
Discrete graphics card *	×
On-board graphics card model *	Not available
Discrete graphics card model *	Not available
Features	
Execute Disable Bit	✓
Market segment	Server
Maximum number of PCI Express lanes	64

Operational conditions			
Tcase	82 °C		
Logistics data			
Harmonized System (HS) code	85423119		
Weight & dimensions			
Processor package size	77.5 x 56.5 mm		
Other features			
Compatibility	Lenovo ThinkSystem SR630 V2		





889488531028

0889488531028

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.