



Lenovo Xeon Silver 4310 processor 2.1 GHz 18 MB Smart Cache

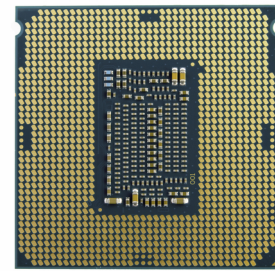
Brand : Lenovo

Product code: 4XG7A63468

Product name : Xeon Silver 4310

Intel Xeon Silver 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 ThinkAgile HX5530, Lenovo ThinkAgile HX5531, Lenovo ThinkAgile HX7530, Lenovo ThinkAgile...



Processor		Features	
Processor manufacturer *	Intel	Supported instruction sets	AVX, AVX 2.0, AVX-512, SSE4.2
Processor generation	3rd Generation Intel® Xeon® Scalable	Scalability	2S
Processor model *	4310	Processor special features	
Processor base frequency *	2.1 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor family *	Intel Xeon Silver	Intel® Turbo Boost Technology	2.0
Processor cores *	12	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor socket *	LGA 4189	Intel Trusted Execution Technology	✓
Component for	Server/workstation	Intel® Speed Shift Technology	✓
Processor lithography *	10 nm	Intel VT-x with Extended Page Tables (EPT)	✓
Processor threads	24	Intel Software Guard Extensions (Intel SGX)	✓
System bus rate	10.4 GT/s	Intel 64	✓
Processor operating modes *	64-bit	Intel Virtualization Technology (VT-x)	✓
Processor boost frequency	3.3 GHz	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor cache	18 MB	AVX-512 Fused Multiply-Add (FMA) units	2
Processor cache type	Smart Cache	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Thermal Design Power (TDP)	120 W	Intel® Resource Director Technology (Intel® RDT)	✓
Box *	✗	Intel® Volume Management Device (VMD)	✓
Cooler included *	✗	Mode-based Execute Control (MBE)	✓
Stepping	M1	Operational conditions	
Processor codename	Ice Lake	Tcase	82 °C
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		Logistics data	
Memory channels *	Octa-channel	Harmonized System (HS) code	85423119
ECC	✓	Weight & dimensions	
Graphics		Processor package size	77.5 x 56.5 mm
On-board graphics card *	✗	Other features	
Discrete graphics card *	✗	Compatibility	Lenovo ThinkAgile HX5530, Lenovo ThinkAgile HX5531, Lenovo ThinkAgile HX7530, Lenovo ThinkAgile HX7531
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		
PCI Express slots version	4.0		



0889488531455



889488531455

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.