



Lenovo Xeon Silver 4314 processor 2.4 GHz 24 MB Box

Brand : Lenovo

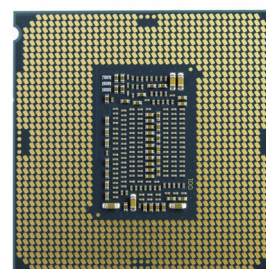
Product family: Xeon

Product code: 4XG7A63411

Product name : Xeon Silver 4314

Intel Xeon Silver 4314 Processor (24MB Cache, up to 3.4 GHz)

Lenovo Xeon Silver 4314. Processor family: Intel Xeon Silver, Processor socket: LGA 4189, Processor lithography: 10 nm. Memory channels: Octa-channel, Maximum internal memory supported by processor: 6 TB, 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® Turbo Boost Technology	2.0
Processor generation	3rd Generation Intel® Xeon® Scalable	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor model *	4314	Intel Trusted Execution Technology	✓
Processor base frequency *	2.4 GHz	Intel® Speed Shift Technology	✓
Processor family *	Intel Xeon Silver	Intel® Transactional Synchronization Extensions	✓
Processor cores *	16	Intel® Total Memory Encryption	✓
Processor socket *	LGA 4189	Intel® Crypto Acceleration	✓
Component for	Server/workstation	Intel® Platform Firmware Resilience Support	✓
Processor lithography *	10 nm	Maximum Enclave Size Support for Intel® SGX	8 GB
Processor threads	32	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	3.4 GHz	Intel Virtualization Technology (VT-x)	✓
Processor cache	24 MB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Thermal Design Power (TDP)	135 W	AVX-512 Fused Multiply-Add (FMA) units	2
Package type *	Box	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Cooler included *	✗	Intel® Resource Director Technology (Intel® RDT)	✓
Processor codename	Ice Lake	Intel® Volume Management Device (VMD)	✓
Processor ARK ID	215269	Mode-based Execute Control (MBE)	✓
Memory			
Maximum internal memory supported by processor	6 TB		
Memory types supported by processor	DDR4-SDRAM		
Memory clock speeds supported by processor	2667 MHz		
Memory channels *	Octa-channel		
ECC	✓		

Graphics		Processor special features	
On-board graphics card *	✗	Intel® Optane™ DC Persistent Memory Supported	✓
Discrete graphics card *	✗		
On-board graphics card model *	Not available		
Discrete graphics card model *	Not available		
Features		Operational conditions	
Execute Disable Bit	✓	Tcase	86 °C
Market segment	Server		
Maximum number of PCI Express lanes	64		
PCI Express slots version	4.0		
Supported instruction sets	SSE4.2, AVX, AVX 2.0, AVX-512		
Scalability	2S		
Embedded options available	✓		
Export Control Classification Number (ECCN)	5A992CN3		
Commodity Classification Automated Tracking System (CCATS)	G178966		
Processor special features		Technical details	
Intel® Hyper Threading Technology (Intel® HT Technology) ✓		Launch date	Q2'21
		Status	Launched
		Supported memory types	DDR4-SDRAM
		Memory speed (max)	2667 MHz
		Number of UPI links	2
		Logistics data	
		Harmonized System (HS) code	8542310001
		Weight & dimensions	
		Processor package size	77.5 x 56.5 mm
		Other features	
		Maximum internal memory	6 TB



0889488530885



889488530885

Catalog Object Cloud



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.