



Lenovo Intel Xeon Silver 4514Y processor 2 GHz 30 MB

Brand : Lenovo

Product code: 4XG7A91454

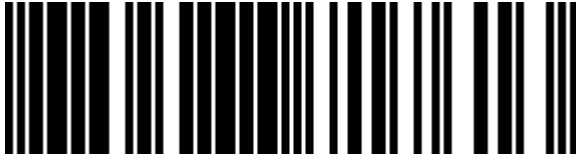
Product name : Intel Xeon Silver 4514Y

ThinkSystem SR650 V3 Intel Xeon Silver 4514Y 16C 150W 2.0GHz Processor Option Kit w/o Fan
Lenovo Intel Xeon Silver 4514Y. Processor family: Intel Xeon Silver, Processor socket: LGA 4677 (Socket E), Processor manufacturer: Intel. Memory channels: Octa-channel, Maximum internal memory supported by processor: 4 TB, Memory types supported by processor: DDR5-SDRAM. Market segment: Server, Use conditions: Server/Enterprise, Supported instruction sets: AMX, AVX, AVX 2.0, AVX-512, SSE4.2. Maximum Enclave Size Support for Intel® SGX: 64 GB, Intel® Data Streaming Accelerator (DSA): 1 default devices. Processor package size: 77.5 x 56.5 mm



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Total Memory Encryption	✓
Processor generation	Intel Xeon Scalable 5th Gen	Intel® Control-flow Enforcement Technology (CET)	✓
Processor model *	4514Y	Intel® Crypto Acceleration	✓
Processor base frequency *	2 GHz	Intel® Platform Firmware Resilience Support	✓
Processor family *	Intel Xeon Silver	Maximum Enclave Size Support for Intel® SGX	64 GB
Processor cores *	16	Intel VT-x with Extended Page Tables (EPT)	✓
Processor socket *	LGA 4677 (Socket E)	Intel® OS Guard	✓
Processor threads	32	Intel Software Guard Extensions (Intel SGX)	✓
Intel® UPI Speed	16 GT/s	Intel 64	✓
Processor operating modes *	64-bit	Intel Virtualization Technology (VT-x)	✓
Processor boost frequency	3.4 GHz	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor cache	30 MB	AVX-512 Fused Multiply-Add (FMA) units	2
Thermal Design Power (TDP)	150 W	Intel® Boot Guard	✓
Cooler included *	✗	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Stepping	R1	Intel® Resource Director Technology (Intel® RDT)	✓
Processor ARK ID	237557	Intel® Volume Management Device (VMD)	✓
Memory		Mode-based Execute Control (MBE)	✓
Maximum internal memory supported by processor	4 TB	Intel® Total Memory Encryption - Multi Key	✓
Memory types supported by processor	DDR5-SDRAM	Intel® QuickAssist Software Acceleration	✓
Memory channels *	Octa-channel	Intel® On Demand Feature Activation	✓
ECC	✓	Intel® Data Streaming Accelerator (DSA)	1 default devices
Graphics		Intel® Advanced Matrix Extensions (AMX)	✓
On-board graphics card *	✗	Intel® Speed Select Technology - Core Power	✓
Discrete graphics card *	✗	Operational conditions	
On-board graphics card model *	Not available	Tcase	79 °C
Discrete graphics card model *	Not available	DTS Max	90 °C
Features			
Execute Disable Bit	✓		
Market segment	Server		
Use conditions	Server/Enterprise		
Maximum number of PCI Express lanes	80		
PCI Express slots version	5.0		
Supported instruction sets	AMX, AVX, AVX 2.0, AVX-512, SSE4.2		
Scalability	2S		

Features		Technical details	
Embedded options available	✓	Launch date	Q4'23
Export Control Classification Number (ECCN)	5A992C	Status	Launched
Commodity Classification Automated Tracking System (CCATS)	740.17B1	Number of UPI links	2
Processor special features		Package carrier	E1B
		Servicing status	Baseline Servicing
		Logistics data	
		Harmonized System (HS) code	8542310001
		Weight & dimensions	
		Processor package size	77.5 x 56.5 mm
		Other features	
Intel® Hyper Threading Technology (Intel® HT Technology)		Maximum internal memory	4 TB
Intel® Turbo Boost Technology			
Intel® AES New Instructions (Intel® AES-NI)			
Intel Trusted Execution Technology			
Intel® Speed Shift Technology			
Intel® Transactional Synchronization Extensions			



0889488717613



889488717613

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.