



Lenovo Xeon Intel Silver 4410Y processor 2 GHz 30 MB Box

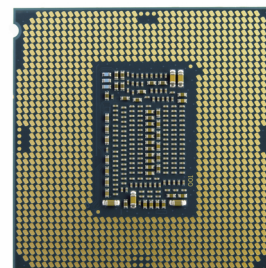
Brand : Lenovo

Product family: Xeon

Product code: 4XG7A83810

Product name : Intel Xeon
Silver 4410Y

ThinkSystem SR630 V3 Intel Xeon Silver 4410Y 12C 150W 2.0GHz Processor Option Kit w/o Fan
Lenovo Xeon Intel Silver 4410Y. Processor family: Intel® Xeon®, Processor socket: LGA 4677 (Socket E),
Package type: Box. Memory channels: Octa-channel, Maximum internal memory supported by processor:
6 TB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Use conditions:
Server/Enterprise, Supported instruction sets: AMX, SSE4.2, AVX, AVX 2.0, AVX-512. Maximum Enclave
Size Support for Intel® SGX: 64 GB. Processor package size: 77.5 x 56.5 mm



Processor		Processor special features	
Processor manufacturer *	Intel	Intel Trusted Execution Technology	✓
Processor generation	Intel Xeon Scalable 4th Gen	Intel® Speed Shift Technology	✓
Processor model *	4410Y	Intel® Transactional Synchronization Extensions	✓
Processor base frequency *	2 GHz	Intel® Total Memory Encryption	✓
Processor family *	Intel® Xeon®	Intel® Control-flow Enforcement Technology (CET)	✓
Processor cores *	12	Intel® Crypto Acceleration	✓
Processor socket *	LGA 4677 (Socket E)	Intel® Platform Firmware Resilience Support	✓
Processor threads	24	Maximum Enclave Size Support for Intel® SGX	64 GB
System bus rate	16 GT/s	Intel VT-x with Extended Page Tables (EPT)	✓
Processor boost frequency	3.9 GHz	Intel® OS Guard	✓
Processor cache	30 MB	Intel Software Guard Extensions (Intel SGX)	✓
Thermal Design Power (TDP)	150 W	Intel 64	✓
Package type *	Box	Intel Virtualization Technology (VT-x)	✓
Stepping	S3	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor codename	Sapphire Rapids	AVX-512 Fused Multiply-Add (FMA) units	2
Processor ARK ID	232376	Intel® Boot Guard	✓
Memory		Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Maximum internal memory supported by processor	6 TB	Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✓
Memory types supported by processor	DDR4-SDRAM	Intel® Resource Director Technology (Intel® RDT)	✓
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		Processor special features	
Execute Disable Bit	✓	Mode-based Execute Control (MBE)	✓
Market segment	Server	Intel® QuickAssist Software Acceleration	✓
Use conditions	Server/Enterprise	Operational conditions	
Maximum number of PCI Express lanes	80	Tcase	78 °C
PCI Express slots version	5.0	Technical details	
Supported instruction sets	AMX, SSE4.2, AVX, AVX 2.0, AVX-512	Launch date	Q1'23
Scalability	2S	Status	Launched
Embedded options available	✓	Supported memory types	DDR4-SDRAM
Export Control Classification Number (ECCN)	5A992C	Memory speed (max)	4000 MHz
Commodity Classification Automated Tracking System (CCATS)	G180729	Number of UPI links	2
Processor special features		Logistics data	
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Harmonized System (HS) code	8542310001
Intel® Turbo Boost Technology	2.0	Weight & dimensions	
Intel® AES New Instructions (Intel® AES-NI)	✓	Processor package size	77.5 x 56.5 mm
		Other features	
		Maximum internal memory	4 TB



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