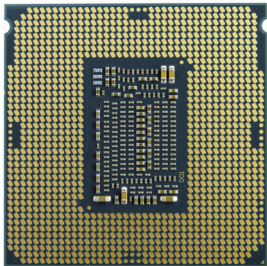# Lenovo Xeon Intel Silver 4410Y procesador 2 GHz 30 MB Caja

Marca : Lenovo
Familia de productos: Xeon
Código del producto: 4XG7A84167

Nombre del producto : Intel Xeon Silver 4410Y

Lenovo Xeon Intel Silver 4410Y. Familia de procesador: Intel® Xeon®, Socket de procesador: LGA 4677 (Socket E), Fabricante de procesador: Intel. Canales de memoria: Octacanal, Máxima memoria interna soportada por el procesador: 6 TB, Tipos de memoria soportados por el procesador: DDR4-SDRAM. Segmento de mercado: Servidor, Condiciones de uso: Server/Enterprise, Set de instrucciones soportadas: AMX, SSE4.2, AVX, AVX 2.0, AVX-512. Compatibilidad con el tamaño máximo del enclave para Intel® SGX: 64 GB. Tipo de empaque: Caja de promoción

Processor

Processor manufacturer *	Intel
Processor generation	Intel Xeon Scalable 4th Gen
Processor model *	4410Y
Processor base frequency *	2 GHz
Processor family *	Intel® Xeon®
Processor cores *	12
Processor socket *	LGA 4677 (Socket E)
Processor threads	24
System bus rate	16 GT/s
Processor boost frequency	3.9 GHz
Processor cache	30 MB
Thermal Design Power (TDP)	150 W
Box *	✔
Stepping	S3
Processor codename	Sapphire Rapids
Processor ARK ID	232376

Memory

Maximum internal memory supported by processor	6 TB
Memory types supported by processor	DDR4-SDRAM
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

Processor special features

Intel® Speed Shift Technology	✔
Intel® Transactional Synchronization Extensions	✔
Intel® Total Memory Encryption	✔
Intel® Control-flow Enforcement Technology (CET)	✔
Intel® Crypto Acceleration	✔
Intel® Platform Firmware Resilience Support	✔
Maximum Enclave Size Support for Intel® SGX	64 GB
Intel VT-x with Extended Page Tables (EPT)	✔
Intel® OS Guard	✔
Intel Software Guard Extensions (Intel SGX)	✔
Intel 64	✔
Intel Virtualization Technology (VT-x)	✔
Intel Virtualization Technology for Directed I/O (VT-d)	✔
AVX-512 Fused Multiply-Add (FMA) units	2
Intel® Boot Guard	✔
Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✔
Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✔
Intel® Resource Director Technology (Intel® RDT)	✔
Mode-based Execute Control (MBE)	✔

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, SSE4.2, AVX, AVX 2.0, AVX-512
Scalability	2S
Embedded options available	✔
Export Control Classification Number (ECCN)	5A992C
Commodity Classification Automated Tracking System (CCATS)	G180729

Processor special features

Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	2.0
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel Trusted Execution Technology	✔

Processor special features

Intel® QuickAssist Software Acceleration	✔

Operational conditions

Tcase	78 °C

Technical details

Launch date	Q1'23
Status	Launched
Supported memory types	DDR4-SDRAM
Memory speed (max)	4000 MHz
Number of UPI links	2

Logistics data

Harmonized System (HS) code	8542310001

Packaging data

Package type	Retail box

Weight & dimensions

Processor package size	77.5 x 56.5 mm

Other features

Maximum internal memory	4 TB

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