



Lenovo Intel Xeon Silver 4514Y procesador 2 GHz 30 MB

Marca : Lenovo

Código del producto: 4XG7A91482

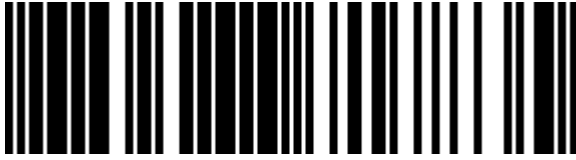
Nombre del producto : Intel Xeon Silver 4514Y

Lenovo Intel Xeon Silver 4514Y. Familia de procesador: Intel® Xeon Silver, Socket de procesador: FCLGA4677, Fabricante de procesador: Intel. Canales de memoria: Octacanal, Máxima memoria interna soportada por el procesador: 4 TB, Tipos de memoria soportados por el procesador: DDR5-SDRAM. Segmento de mercado: Servidor, Condiciones de uso: Server/Enterprise, Set de instrucciones soportadas: AMX, AVX, AVX 2.0, AVX-512, SSE4.2. Compatibilidad con el tamaño máximo del enclave para Intel® SGX: 64 GB, Acelerador Intel® de transmisión de datos (DSA): 1 default devices. Tamaño del empaque del procesador: 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 *	FCLGA4677	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
		Package carrier	E1B
		Servicing status	Baseline Servicing
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
Intel Trusted Execution Technology	✓	Other features	
Intel® Speed Shift Technology	✓	Maximum internal memory	4 TB
Intel® Transactional Synchronization Extensions	✓		



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