



DELL Xeon Silver 4410Y processor 2 GHz 30 MB

Brand : DELL

Product code: 338-CLWC

Product name : Xeon Silver 4410Y

Intel® Xeon® Silver 4410Y 2GHz Twelve Core Processor, 12C/24T, 16GT/s, 30M Cache, Turbo, HT (150W) DDR5-4000, Customer Install

DELL Xeon Silver 4410Y processor 2 GHz 30 MB:

The Intel Xeon® Silver 4410Y 2GHz Twelve Core Processor enhances the performance and the speed of your system. Additionally, the Virtualization Technology enables migration of more environments. It supports enhanced SpeedStep® technology that allows tradeoffs to be made between performance and power consumption.

Its Thermal Monitoring Technologies protect the processor package and the system from thermal failure through several thermal management features. The VT-x with Extended Page Tables (EPT) also known as Second Level Address Translation (SLAT), provides acceleration for memory intensive virtualized applications. Packed with more features, the Xeon Silver 4410Y 2GHz Twelve Core Processor is the ideal choice for virtually all of your data demanding or standard enterprise infrastructure applications.



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Speed Shift Technology	✓
Processor generation	Intel Xeon Scalable 4th Gen	Intel® Transactional Synchronization Extensions	✓
Processor model *	4410Y	Intel® Total Memory Encryption	✓
Processor base frequency *	2 GHz	Intel® Control-flow Enforcement Technology (CET)	✓
Processor family *	Intel Xeon Silver	Intel® Crypto Acceleration	✓
Processor cores *	12	Intel® Platform Firmware Resilience Support	✓
Processor socket *	LGA 4677 (Socket E)	Maximum Enclave Size Support for Intel® SGX	64 GB
Processor threads	24	Intel VT-x with Extended Page Tables (EPT)	✓
Intel® UPI Speed	16 GT/s	Intel® OS Guard	✓
Processor operating modes *	64-bit	Intel Software Guard Extensions (Intel SGX)	✓
Processor boost frequency	3.9 GHz	Intel 64	✓
Processor cache	30 MB	Intel Virtualization Technology (VT-x)	✓
Thermal Design Power (TDP)	150 W	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Stepping	S3	AVX-512 Fused Multiply-Add (FMA) units	2
Processor codename	Sapphire Rapids	Intel® Boot Guard	✓
Processor ARK ID	232376	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Memory		Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✓
Maximum internal memory supported by processor	4 TB	Intel® Resource Director Technology (Intel® RDT)	✓
Memory types supported by processor	DDR5-SDRAM	Mode-based Execute Control (MBE)	✓
Memory clock speeds supported by processor	4000 MHz	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 *	✗		
Discrete graphics card *	✗		
On-board graphics card model *	Not available		
Discrete graphics card model *	Not available		
Features			
Execute Disable Bit	✓		
Market segment	Server		
Use conditions	Server/Enterprise		
Maximum number of PCI Express lanes	80		

Features		Operational conditions	
PCI Express slots version	5.0	Tcase	78 °C
Supported instruction sets	AMX, AVX, AVX 2.0, AVX-512, SSE4.2	DTS Max	93 °C
Scalability	2S	Technical details	
Embedded options available	✓	Number of UPI links	2
Processor special features		Package carrier	E1B
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Weight & dimensions	
Intel® Turbo Boost Technology	2.0	Processor package size	77.5 x 56.5 mm
Intel® AES New Instructions (Intel® AES-NI)	✓	Other features	
Intel Trusted Execution Technology	✓	Maximum internal memory	4 TB



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