



DELL Intel Xeon Silver 4410T processor 2.7 GHz 26.25 MB

Brand : DELL

Product code: 338-CLWF

Product name : Intel Xeon Silver 4410T

Intel Xeon Silver 4410T 2.7GHz Ten Core Processor, 16GT/s, 27M Cache, Turbo, HT (150W) DDR5-4000, Customer Install

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The Intel Xeon® Silver 4410T 2.7GHz Ten 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 4410T 2.7GHz Ten 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 *	4410T	Intel® Total Memory Encryption	✓
Processor base frequency *	2.7 GHz	Intel® Control-flow Enforcement Technology (CET)	✓
Processor family *	Intel Xeon Silver	Intel® Crypto Acceleration	✓
Processor cores *	10	Intel® Platform Firmware Resilience Support	✓
Processor socket *	LGA 4677 (Socket E)	Maximum Enclave Size Support for Intel® SGX	64 GB
Processor threads	20	Intel VT-x with Extended Page Tables (EPT)	✓
System bus rate	16 GT/s	Intel® OS Guard	✓
Processor operating modes *	64-bit	Intel Software Guard Extensions (Intel SGX)	✓
Processor boost frequency	4 GHz	Intel 64	✓
Processor cache	26.25 MB	Intel Virtualization Technology (VT-x)	✓
Thermal Design Power (TDP)	150 W	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Box *	✗	AVX-512 Fused Multiply-Add (FMA) units	2
Stepping	S3	Intel® Boot Guard	✓
Processor codename	Sapphire Rapids	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Processor ARK ID	232388	Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✓
Memory		Intel® Resource Director Technology (Intel® RDT)	✓
Maximum internal memory supported by processor	4 TB	Mode-based Execute Control (MBE)	✓
Memory types supported by processor	DDR5-SDRAM	Intel® QuickAssist Software Acceleration	✓
Memory clock speeds supported by processor	4000 MHz	Intel® On Demand Feature Activation	✓
Memory channels *	Octa-channel	Intel® Data Streaming Accelerator (DSA)	1 default devices
ECC	✓	Intel® Advanced Matrix Extensions (AMX)	✓
Graphics			
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	Industrial Commercial Temp, Server/Enterprise		

Features		Operational conditions	
Maximum number of PCI Express lanes	80	Tcase	84 °C
PCI Express slots version	5.0	DTS Max	100 °C
Supported instruction sets	AMX, SSE4.2, AVX, AVX 2.0, AVX-512	Technical details	
Scalability	2S	Launch date	Q1'23
Embedded options available	✓	Status	Launched
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		Package carrier	E1B
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Logistics data	
Intel® Turbo Boost Technology	2.0	Harmonized System (HS) code	8542310001
Intel® AES New Instructions (Intel® AES-NI)	✓	Weight & dimensions	
Intel Trusted Execution Technology	✓	Processor package size	77.5 x 56.5 mm
		Other features	
		Maximum internal memory	4 TB



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