

Intel Xeon Silver 4410T processor 2.7 GHz 26.25 MB

Brand : Intel

Product family: Xeon

Product code:
PK8071305121601

Product name : Silver 4410T

PK8071305121601

Intel Xeon Silver 4410T. Processor family: Intel Xeon Silver, Processor socket: LGA 4677 (Socket E), Processor manufacturer: Intel. Memory channels: Octa-channel, Maximum internal memory supported by processor: 6 TB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Use conditions: Industrial Commercial Temp, Server/Enterprise, Supported instruction sets: AMX, SSE4.2, AVX, AVX 2.0, AVX-512. Maximum Enclave Size Support for Intel® SGX: 64 GB, Intel® Data Streaming Accelerator (DSA): 1 default devices. Processor package size: 77.5 x 56.5 mm



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Transactional Synchronization Extensions	✓
Processor generation	Intel Xeon Scalable 4th Gen	Intel® Total Memory Encryption	✓
Processor model *	4410T	Intel® Control-flow Enforcement Technology (CET)	✓
Processor base frequency *	2.7 GHz	Intel® Crypto Acceleration	✓
Processor family *	Intel Xeon Silver	Intel® Platform Firmware Resilience Support	✓
Processor cores *	10	Maximum Enclave Size Support for Intel® SGX	64 GB
Processor socket *	LGA 4677 (Socket E)	Intel VT-x with Extended Page Tables (EPT)	✓
Processor threads	20	Intel® OS Guard	✓
System bus rate	16 GT/s	Intel Software Guard Extensions (Intel SGX)	✓
Processor operating modes *	64-bit	Intel 64	✓
Processor boost frequency	4 GHz	Intel Virtualization Technology (VT-x)	✓
Processor cache	26.25 MB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Thermal Design Power (TDP)	150 W	AVX-512 Fused Multiply-Add (FMA) units	2
Box *	✗	Intel® Boot Guard	✓
Stepping	S3	Intel® Deep Learning Boost (Intel® DL Boost)	✓
Processor codename	Sapphire Rapids	Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✓
Processor ARK ID	232388	Intel® Resource Director Technology (Intel® RDT)	✓
Memory		Mode-based Execute Control (MBE)	✓
Maximum internal memory supported by processor	6 TB	Intel® QuickAssist Software Acceleration	✓
Memory types supported by processor	DDR4-SDRAM	Intel® On Demand Feature Activation	✓
Memory channels *	Octa-channel	Intel® Data Streaming Accelerator (DSA)	1 default devices
ECC	✓	Intel® Advanced Matrix Extensions (AMX)	✓
Graphics		Operational conditions	
On-board graphics card *	✗	Tcase	84 °C
Discrete graphics card *	✗	DTS Max	100 °C
On-board graphics card model *	Not available	Technical details	
Discrete graphics card model *	Not available	Launch date	Q1'23
Features			
Execute Disable Bit	✓		
Market segment	Server		
Use conditions	Industrial Commercial Temp, 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		

Features		Technical details	
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
		Package carrier	E1B
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



8592978436407

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.