FUJITSU

Fujitsu Xeon Intel Silver 4410Y processor 2 GHz 30 MB

Brand : Fujitsu   **Product family:** Xeon   **Product code:** PY-CP66XG

Product name : Intel Xeon Silver 4410Y

Intel Xeon Silver 4410Y 12C 150W 2.0GHz
Fujitsu Xeon Intel Silver 4410Y. Processor family: Intel® Xeon®, 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: Server/Enterprise, Supported instruction sets: AMX, SSE4.2, AVX, AVX 2.0, AVX-512. Maximum Enclave Size Support for Intel® SGX: 64 GB. Processor package size: 77.5 x 56.5 mm

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
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

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 Trusted Execution Technology	✔
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)	✔
Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✔
Intel® Resource Director Technology (Intel® RDT)	✔
Mode-based Execute Control (MBE)	✔
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

Weight & dimensions	
Processor package size	77.5 x 56.5 mm

Processor special features		Other features	
Intel® Hyper Threading Technology (Intel® HT Technology)	✔	Maximum internal memory	4 TB
Intel® Turbo Boost Technology	2.0		
Intel® AES New Instructions (Intel® AES-NI)	✔		

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