FUJITSU

Fujitsu Xeon Intel Silver 4410Y processor 2 GHz 30 MB

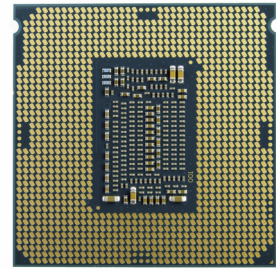**Brand :** Fujitsu

Product family: Xeon

Product code: PY-CP66XG

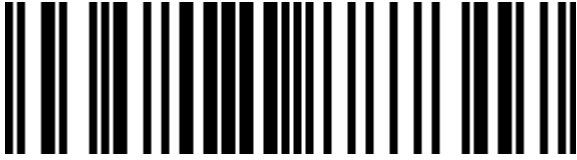**Product name :** Intel Xeon Silver 4410Y

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 special features	
Processor manufacturer *	Intel	Intel Trusted Execution Technology	✓
Processor generation	Intel Xeon Scalable 4th Gen	Intel® Speed Shift Technology	✓
Processor model *	4410Y	Intel® Transactional Synchronization Extensions	✓
Processor base frequency *	2 GHz	Intel® Total Memory Encryption	✓
Processor family *	Intel® Xeon®	Intel® Control-flow Enforcement Technology (CET)	✓
Processor cores *	12		
Processor socket *	LGA 4677 (Socket E)	Intel® Crypto Acceleration	✓
Processor threads	24	Intel® Platform Firmware Resilience Support	✓
System bus rate	16 GT/s		
Processor boost frequency	3.9 GHz	Maximum Enclave Size Support for Intel® SGX	64 GB
Processor cache	30 MB	Intel VT-x with Extended Page Tables (EPT)	✓
Thermal Design Power (TDP)	150 W		
Stepping	S3	Intel® OS Guard	✓
Processor codename	Sapphire Rapids	Intel Software Guard Extensions (Intel SGX)	✓
Processor ARK ID	232376		
Memory		Intel 64	✓
Maximum internal memory supported by processor	6 TB	Intel Virtualization Technology (VT-x)	✓
Memory types supported by processor	DDR4-SDRAM	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory channels *	Octa-channel	AVX-512 Fused Multiply-Add (FMA) units	2
ECC	✓	Intel® Boot Guard	✓
Graphics		Intel® Deep Learning Boost (Intel® DL Boost)	✓
On-board graphics card *	✗		
Discrete graphics card *	✗	Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✓
On-board graphics card model *	Not available	Intel® Resource Director Technology (Intel® RDT)	✓
Discrete graphics card model *	Not available		
		Mode-based Execute Control (MBE)	✓

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® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	2.0
Intel® AES New Instructions (Intel® AES-NI)	✔

Processor special features

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

Other features

Maximum internal memory	4 TB

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