FUJITSU

Fujitsu Xeon Intel Silver 4309Y processor 2.8 GHz 12 MB

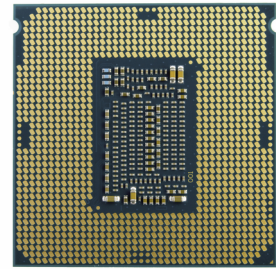**Brand :** Fujitsu   **Product family:** Xeon   **Product code:** PY-CP62XG
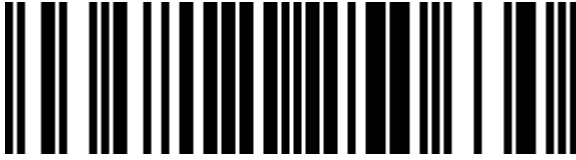
Product name : Intel Silver 4309Y

Intel Xeon Silver 4309Y Processor (12MB Cache, up to 3.6 GHz)
Fujitsu Xeon Intel Silver 4309Y. Processor family: Intel Xeon Silver, Processor socket: LGA 4189, Processor lithography: 10 nm. Memory channels: Octa-channel, Maximum internal memory supported by processor: 6.14 TB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Supported instruction sets: SSE4.2, AVX, AVX 2.0, AVX-512, Scalability: 2S. Maximum Enclave Size Support for Intel® SGX: 8 GB. Package type: Retail box

Processor		Processor special features	
Processor manufacturer *	Intel	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor generation	3rd Generation Intel® Xeon® Scalable	Intel Trusted Execution Technology	✓
Processor model *	4309Y	Intel® Speed Shift Technology	✓
Processor base frequency *	2.8 GHz	Intel® Transactional Synchronization Extensions	✓
Processor family *	Intel Xeon Silver	Intel® Total Memory Encryption	✓
Processor cores *	8	Intel® Crypto Acceleration	✓
Processor socket *	LGA 4189	Intel® Platform Firmware Resilience Support	✓
Component for	Server/workstation		
Processor lithography *	10 nm	Maximum Enclave Size Support for Intel® SGX	8 GB
Processor threads	16		
System bus rate	10.4 GT/s	Intel VT-x with Extended Page Tables (EPT)	✓
Processor operating modes *	64-bit	Intel Software Guard Extensions (Intel SGX)	✓
Processor boost frequency	3.6 GHz		
Processor cache	12 MB	Intel 64	✓
Thermal Design Power (TDP)	105 W	Intel Virtualization Technology (VT-x)	✓
Box *	✗		
Cooler included *	✗	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor codename	Ice Lake	AVX-512 Fused Multiply-Add (FMA) units	2
Processor ARK ID	215275		
Memory		Intel® Deep Learning Boost (Intel® DL Boost)	✓
Maximum internal memory supported by processor	6.14 TB	Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✓
Memory types supported by processor	DDR4-SDRAM	Intel® Resource Director Technology (Intel® RDT)	✓
Memory clock speeds supported by processor	2667 MHz	Intel® Volume Management Device (VMD)	✓
Memory channels *	Octa-channel	Mode-based Execute Control (MBE)	✓
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
Maximum number of PCI Express lanes	64
PCI Express slots version	4.0
Supported instruction sets	SSE4.2, AVX, AVX 2.0, AVX-512
Scalability	2S
Embedded options available	✖
Export Control Classification Number (ECCN)	5A992CN3
Commodity Classification Automated Tracking System (CCATS)	G178966

Processor special features

Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	2.0

Processor special features

Intel® Optane™ DC Persistent Memory Supported	✖

Operational conditions

Tcase	76 °C

Technical details

Launch date	Q2'21
Status	Launched
Supported memory types	DDR4-SDRAM
Memory speed (max)	2667 MHz
Number of UPI links	2

Logistics data

Harmonized System (HS) code	85423119

Packaging data

Package type	Retail box

Weight & dimensions

Processor package size	77.5 x 56.5 mm

Other features

Maximum internal memory	6 TB

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