



Fujitsu Xeon 6517P processor 3.2 GHz 72 MB L3

Brand : Fujitsu

Product code: PY-CP70X8

Product name : Xeon 6517P

Intel Xeon 6517P Processor 72M Cache, 3.20 GHz

Fujitsu Xeon 6517P. Processor family: Intel® Xeon®, Processor socket: LGA 4710, Processor manufacturer: Intel. Memory channels: Octa-channel, Maximum internal memory supported by processor: 4 TB, Memory types supported by processor: DDR5-SDRAM. Supported instruction sets: AMX, AVX, AVX 2.0, AVX-512, SSE4.2, Scalability: 25



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Crypto Acceleration	✓
Processor model *	6517P	Intel® Platform Firmware Resilience Support	✓
Processor base frequency *	3.2 GHz	Intel® Trust Domain Extensions (Intel® TDX)	✓
Processor family *	Intel® Xeon®	Intel VT-x with Extended Page Tables (EPT)	✓
Processor cores *	16	Intel® Secure Key	✓
Processor socket *	LGA 4710	Intel® OS Guard	✓
Processor threads	32	Intel QuickAssist Technology	✓
Intel® UPI Speed	24 GT/s	Intel Software Guard Extensions (Intel SGX)	✓
Processor operating modes *	64-bit	Intel 64	✓
Processor boost frequency	4.2 GHz	Intel Virtualization Technology (VT-x)	✓
All core Turbo frequency	4 GHz	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor cache	72 MB	AVX-512 Fused Multiply-Add (FMA) units	2
Processor cache type	L3	Intel® Boot Guard	✓
Thermal Design Power (TDP)	190 W	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Number of QPI links	3	Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✗
Processor codename	Granite Rapids	Intel® Resource Director Technology (Intel® RDT)	✓
Memory		Intel® Volume Management Device (VMD)	✓
Maximum internal memory supported by processor	4 TB	Intel® Run Sure Technology	✓
Memory types supported by processor	DDR5-SDRAM	Mode-based Execute Control (MBE)	✓
Memory clock speeds supported by processor	6400 MHz	Intel® Speed Select Technology - Base Frequency (Intel® SST-BF)	✗
Memory channels *	Octa-channel	Intel® Total Memory Encryption - Multi Key	✓
ECC	✓	Intel® QuickAssist Software Acceleration	✓
Graphics		Intel® QuickAssist Technology (QAT)	2
On-board graphics card *	✗	Intel® Dynamic Load Balancer (DLB)	2
Discrete graphics card *	✗	Intel® Data Streaming Accelerator (DSA)	2
On-board graphics card model *	Not available		
Discrete graphics card model *	Not available		
Features			
Execute Disable Bit	✓		
Maximum number of PCI Express lanes	88		
PCI Express slots version	5.0		
Supported instruction sets	AMX, AVX, AVX 2.0, AVX-512, SSE4.2		
Scalability	25		
Embedded options available	✓		

Processor special features	
Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Intel® Turbo Boost Technology	2.0
Intel® AES New Instructions (Intel® AES-NI)	✓
Intel Trusted Execution Technology	✓
Intel® Speed Shift Technology	✓
Intel® Transactional Synchronization Extensions	✓
Intel® Total Memory Encryption	✓
Intel® Control-flow Enforcement Technology (CET)	✓

Processor special features	
Intel® In-memory Analytics Accelerator (IAA)	2
Intel® Advanced Matrix Extensions (AMX)	✓
Intel® Speed Select Technology - Core Power	✓
Intel® Speed Select Technology - Turbo Frequency	✓
Operational conditions	
Tcase	79 °C
DTS Max	103 °C
Technical details	
Package carrier	E2B

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