FUJITSU

Fujitsu Xeon 6527P processor 3 GHz 144 MB L3

Brand : Fujitsu

Product code: PY-CP70X9

Product name : Xeon 6527P

Intel Xeon 6527P Processor 144M Cache, 3.00 GHz
Fujitsu Xeon 6527P. Processor family: Intel Xeon 6, 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: 2S

Processor	
Processor manufacturer *	Intel
Processor model *	6527P
Processor base frequency *	3 GHz
Processor family *	Intel Xeon 6
Processor cores *	24
Processor socket *	LGA 4710
Processor threads	48
Intel® UPI Speed	24 GT/s
Processor operating modes *	64-bit
Processor boost frequency	4.2 GHz
All core Turbo frequency	4.2 GHz
High priority cores	8
High priority core frequency	3.1 GHz
Low priority cores	16
Low priority core frequency	2.9 GHz
Processor cache	144 MB
Processor cache type	L3
Thermal Design Power (TDP)	255 W
Number of QPI links	4
Processor codename	Granite Rapids

Memory	
Maximum internal memory supported by processor	4 TB
Memory types supported by processor	DDR5-SDRAM
Memory clock speeds supported by processor	6400 MHz
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	✔
Maximum number of PCI Express lanes	88
PCI Express slots version	5.0

Processor special features	
Intel® Total Memory Encryption	✔
Intel® Control-flow Enforcement Technology (CET)	✔
Intel® Crypto Acceleration	✔
Intel® Platform Firmware Resilience Support	✔
Intel® Trust Domain Extensions (Intel® TDX)	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel® Secure Key	✔
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)	✔
Intel® Boot Guard	✔
Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✔
Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✘
Intel® Resource Director Technology (Intel® RDT)	✔
Intel® Volume Management Device (VMD)	✔
Intel® Run Sure Technology	✔
Mode-based Execute Control (MBE)	✔
Intel® Speed Select Technology - Base Frequency (Intel® SST-BF)	✔
Intel® Total Memory Encryption - Multi Key	✔
Intel® QuickAssist Software Acceleration	✔
Intel® QuickAssist Technology (QAT)	4
Intel® Dynamic Load Balancer (DLB)	4
Intel® Data Streaming Accelerator (DSA)	4

Features	
Supported instruction sets	AMX, AVX, AVX 2.0, AVX-512, SSE4.2
Scalability	2S
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	✔

Processor special features	
Intel® In-memory Analytics Accelerator (IAA)	4
Intel® Advanced Matrix Extensions (AMX)	✔
Intel® Speed Select Technology – Core Power	✔
Intel® Speed Select Technology – Turbo Frequency	✔

Operational conditions	
Tcase	79 °C
DTS Max	102 °C

Technical details	
Package carrier	E2B

Catalog Object Cloud



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Publication date: 14-NOV-2026. Prints or copies of Information are only valid on the printed Publication date