



Fujitsu Xeon Intel Silver 4314 processor 2.4 GHz 24 MB Box

Brand : Fujitsu

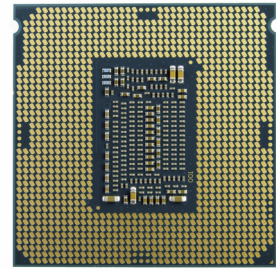
Product family: Xeon

Product code: PY-CP62XJ

Product name : Intel Xeon Silver 4314

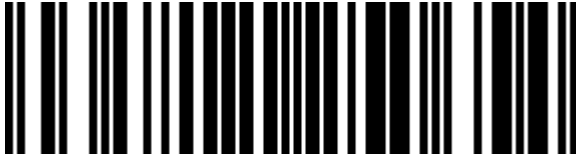
Intel Xeon Silver Silver 4314 Processor (24MB Cache, up to 3.4 GHz)

Fujitsu Xeon Intel Silver 4314. 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 * | 4314 | Intel® Speed Shift Technology | ✓ |
| Processor base frequency * | 2.4 GHz | Intel® Transactional Synchronization Extensions | ✓ |
| Processor family * | Intel Xeon Silver | Intel® Total Memory Encryption | ✓ |
| Processor cores * | 16 | Intel® Crypto Acceleration | ✓ |
| Processor socket * | LGA 4189 | Intel® Platform Firmware Resilience Support | ✓ |
| Component for | Server/workstation | Maximum Enclave Size Support for Intel® SGX | 8 GB |
| Processor lithography * | 10 nm | Intel VT-x with Extended Page Tables (EPT) | ✓ |
| Processor threads | 32 | Intel Software Guard Extensions (Intel SGX) | ✓ |
| System bus rate | 10.4 GT/s | Intel 64 | ✓ |
| Processor operating modes * | 64-bit | Intel Virtualization Technology (VT-x) | ✓ |
| Processor boost frequency | 3.4 GHz | Intel Virtualization Technology for Directed I/O (VT-d) | ✓ |
| Processor cache | 24 MB | AVX-512 Fused Multiply-Add (FMA) units | 2 |
| Thermal Design Power (TDP) | 135 W | Intel® Deep Learning Boost (Intel® DL Boost) | ✓ |
| Box * | ✓ | Intel® Resource Director Technology (Intel® RDT) | ✓ |
| Cooler included * | ✗ | Intel® Volume Management Device (VMD) | ✓ |
| Processor codename | Ice Lake | Mode-based Execute Control (MBE) | ✓ |
| Processor ARK ID | 215269 | Intel® Optane™ DC Persistent Memory Supported | ✓ |
| Memory | | | |
| Maximum internal memory supported by processor | 6.14 TB | | |
| Memory types supported by processor | DDR4-SDRAM | | |
| Memory clock speeds supported by processor | 2667 MHz | | |
| Memory channels * | Octa-channel | | |
| ECC | ✓ | | |

| Graphics | | Operational conditions | |
|--|-------------------------------|--------------------------------|-----------------|
| On-board graphics card * | ✘ | Tcase | 86 °C |
| Discrete graphics card * | ✘ | Technical details | |
| On-board graphics card model * | Not available | Target market | Cloud Computing |
| Discrete graphics card model * | Not available | Launch date | Q2'21 |
| Features | | Status | Launched |
| Execute Disable Bit | ✓ | Supported memory types | DDR4-SDRAM |
| Market segment | Server | Memory speed (max) | 2667 MHz |
| Maximum number of PCI Express lanes | 64 | Number of UPI links | 2 |
| PCI Express slots version | 4.0 | Logistics data | |
| Supported instruction sets | SSE4.2, AVX, AVX 2.0, AVX-512 | Harmonized System (HS) code | 85423119 |
| Scalability | 2S | Packaging data | |
| Embedded options available | ✓ | Package type | Retail box |
| Export Control Classification Number (ECCN) | 5A992CN3 | Weight & dimensions | |
| Commodity Classification Automated Tracking System (CCATS) | G178966 | Processor package size | 77.5 x 56.5 mm |
| Processor special features | | Other features | |
| Intel® Hyper Threading Technology (Intel® HT Technology) | ✓ | Maximum internal memory | 6 TB |
| Intel® Turbo Boost Technology | 2.0 | | |



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