



## Fujitsu Intel Xeon Gold 5515+ processor 3.2 GHz 22.5 MB Tray

**Brand :** Fujitsu

**Product code:** PY-CP68X7

**Product name :** Intel Xeon Gold 5515+

Intel Xeon Gold 5515+ Processor 22.5M Cache, 3.20 GHz

Fujitsu Intel Xeon Gold 5515+. Processor family: Intel® Xeon® Gold, Processor socket: LGA 4677 (Socket E), Package type: Tray. Memory channels: Octa-channel, Maximum internal memory supported by processor: 4 TB, Memory types supported by processor: DDR5-SDRAM. Market segment: Server, Use conditions: Server/Enterprise, Supported instruction sets: AMX, AVX, AVX 2.0, AVX-512, SSE4.2. Maximum Enclave Size Support for Intel® SGX: 128 GB, Intel® QuickAssist Technology (QAT): 1 default devices, Intel® Dynamic Load Balancer (DLB): 1 default devices. Maximum internal memory: 4 TB



| Processor                                      |                             | Processor special features                                      |                   |
|------------------------------------------------|-----------------------------|-----------------------------------------------------------------|-------------------|
| Processor manufacturer *                       | Intel                       | Intel® Total Memory Encryption                                  | ✓                 |
| Processor generation                           | Intel Xeon Scalable 5th Gen | Intel® Control-flow Enforcement Technology (CET)                | ✓                 |
| Processor model *                              | 5515+                       | Intel® Crypto Acceleration                                      | ✓                 |
| Processor base frequency *                     | 3.2 GHz                     | Intel® Platform Firmware Resilience Support                     | ✓                 |
| Processor family *                             | Intel® Xeon® Gold           | Maximum Enclave Size Support for Intel® SGX                     | 128 GB            |
| Processor cores *                              | 8                           | Intel VT-x with Extended Page Tables (EPT)                      | ✓                 |
| Processor socket *                             | LGA 4677 (Socket E)         | Intel® OS Guard                                                 | ✓                 |
| Processor series                               | Intel Xeon Gold 5000 Series | Intel Software Guard Extensions (Intel SGX)                     | ✓                 |
| Processor threads                              | 16                          | Intel 64                                                        | ✓                 |
| Intel® UPI Speed                               | 20 GT/s                     | Intel Virtualization Technology (VT-x)                          | ✓                 |
| Processor operating modes *                    | 64-bit                      | Intel Virtualization Technology for Directed I/O (VT-d)         | ✓                 |
| Processor boost frequency                      | 4.1 GHz                     | AVX-512 Fused Multiply-Add (FMA) units                          | 2                 |
| High priority cores                            | 2                           | Intel® Boot Guard                                               | ✓                 |
| High priority core frequency                   | 3.3 GHz                     | Intel® Deep Learning Boost (Intel® DL Boost) on CPU             | ✓                 |
| Low priority cores                             | 6                           | Intel® Resource Director Technology (Intel® RDT)                | ✓                 |
| Low priority core frequency                    | 3.2 GHz                     | Intel® Volume Management Device (VMD)                           | ✓                 |
| Processor cache                                | 22.5 MB                     | Intel® Run Sure Technology                                      | ✓                 |
| Thermal Design Power (TDP)                     | 165 W                       | Mode-based Execute Control (MBE)                                | ✓                 |
| Package type *                                 | Tray                        | Intel® Speed Select Technology - Base Frequency (Intel® SST-BF) | ✓                 |
| Stepping                                       | R1                          | Intel® Total Memory Encryption - Multi Key                      | ✓                 |
| Processor codename                             | Emerald Rapids              | Intel® QuickAssist Software Acceleration                        | ✓                 |
| Processor ARK ID                               | 237562                      | Intel® On Demand Feature Activation                             | ✓                 |
| Memory                                         |                             | Intel® QuickAssist Technology (QAT)                             | 1 default devices |
| Maximum internal memory supported by processor | 4 TB                        | Intel® Dynamic Load Balancer (DLB)                              | 1 default devices |
| Memory types supported by processor            | DDR5-SDRAM                  | Intel® Data Streaming Accelerator (DSA)                         | 1 default devices |
| 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                            | ✓                           |                                                                 |                   |
| Market segment                                 | Server                      |                                                                 |                   |
| Use conditions                                 | Server/Enterprise           |                                                                 |                   |

| Features                                                   |                                    | Processor special features                       |                    |
|------------------------------------------------------------|------------------------------------|--------------------------------------------------|--------------------|
| Maximum number of PCI Express lanes                        | 80                                 | Intel® In-memory Analytics Accelerator (IAA)     | 1 default devices  |
| PCI Express slots version                                  | 5.0                                | Intel® Advanced Matrix Extensions (AMX)          | ✓                  |
| Supported instruction sets                                 | AMX, AVX, AVX 2.0, AVX-512, SSE4.2 | Intel® Speed Select Technology - Core Power      | ✓                  |
| Scalability                                                | 25                                 | Intel® Speed Select Technology - Turbo Frequency | ✓                  |
| Embedded options available                                 | ✓                                  | Operational conditions                           |                    |
| Export Control Classification Number (ECCN)                | 5A992C                             | Tcase                                            | 76 °C              |
| Commodity Classification Automated Tracking System (CCATS) | 740.17B1                           | DTS Max                                          | 98 °C              |
| Processor special features                                 |                                    | Technical details                                |                    |
| Intel® Hyper Threading Technology (Intel® HT Technology)   | ✓                                  | Launch date                                      | Q4'23              |
| Intel® Turbo Boost Technology                              | 2.0                                | Status                                           | Launched           |
| Intel® AES New Instructions (Intel® AES-NI)                | ✓                                  | Number of UPI links                              | 3                  |
| Intel Trusted Execution Technology                         | ✓                                  | Package carrier                                  | E1B                |
| Intel® Speed Shift Technology                              | ✓                                  | Servicing status                                 | Baseline Servicing |
| Intel® Transactional Synchronization Extensions            | ✓                                  | Other features                                   |                    |
|                                                            |                                    | Maximum internal memory                          | 4 TB               |



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### Catalog Object Cloud



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