



## Fujitsu Xeon Intel Gold 6346 processor 3.1 GHz 36 MB Tray

**Brand :** Fujitsu

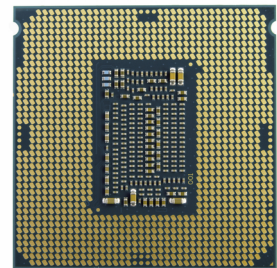
**Product family:** Xeon

**Product code:** PY-CP62X5

**Product name :** Intel Xeon  
Gold 6346

Intel Xeon Gold 6346 Processor (36MB Cache, up to 3.6 GHz)

Fujitsu Xeon Intel Gold 6346. Processor family: Intel® Xeon®, Processor socket: LGA 4189, Processor lithography: 10 nm. Memory channels: Octa-channel, Maximum internal memory supported by processor: 6 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: 64 GB. Processor package size: 77.5 x 56.5 mm



| 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 *                              | 6346                                 | Intel® Speed Shift Technology                           | ✓     |
| Processor base frequency *                     | 3.1 GHz                              | Intel® Transactional Synchronization Extensions         | ✓     |
| Processor family *                             | Intel® Xeon®                         | 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             | 64 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                                | 11.2 GT/s                            | Intel 64                                                | ✓     |
| Processor operating modes *                    | 64-bit                               | Intel Virtualization Technology (VT-x)                  | ✓     |
| Processor boost frequency                      | 3.6 GHz                              | Intel Virtualization Technology for Directed I/O (VT-d) | ✓     |
| Processor cache                                | 36 MB                                | Intel® Optane™ Memory Ready                             | ✓     |
| Thermal Design Power (TDP)                     | 205 W                                | AVX-512 Fused Multiply-Add (FMA) units                  | 2     |
| Package type *                                 | Tray                                 | Intel® Deep Learning Boost (Intel® DL Boost) on CPU     | ✓     |
| Cooler included *                              | ✗                                    | Intel® Resource Director Technology (Intel® RDT)        | ✓     |
| Processor codename                             | Ice Lake                             | Intel® Volume Management Device (VMD)                   | ✓     |
| Processor ARK ID                               | 212457                               | Intel® Run Sure Technology                              | ✓     |
| Memory                                         |                                      |                                                         |       |
| Maximum internal memory supported by processor | 6 TB                                 |                                                         |       |
| Memory types supported by processor            | DDR4-SDRAM                           |                                                         |       |
| Memory clock speeds supported by processor     | 3200 MHz                             |                                                         |       |
| Memory channels *                              | Octa-channel                         |                                                         |       |
| ECC                                            | ✓                                    |                                                         |       |

| Graphics                                                   |                               | Processor special features                    |                |
|------------------------------------------------------------|-------------------------------|-----------------------------------------------|----------------|
| On-board graphics card *                                   | ✗                             | Mode-based Execute Control (MBE)              | ✓              |
| Discrete graphics card *                                   | ✗                             | Intel® Optane™ DC Persistent Memory Supported | ✓              |
| On-board graphics card model *                             | Not available                 | Operational conditions                        |                |
| Discrete graphics card model *                             | Not available                 | Tcase                                         | 78 °C          |
| Features                                                   |                               | Technical details                             |                |
| Execute Disable Bit                                        | ✓                             | Launch date                                   | Q2'21          |
| Market segment                                             | Server                        | Status                                        | Launched       |
| Maximum number of PCI Express lanes                        | 64                            | Supported memory types                        | DDR4-SDRAM     |
| PCI Express slots version                                  | 4.0                           | Memory speed (max)                            | 3200 MHz       |
| Supported instruction sets                                 | SSE4.2, AVX, AVX 2.0, AVX-512 | Number of UPI links                           | 3              |
| Scalability                                                | 2S                            | Logistics data                                |                |
| Embedded options available                                 | ✗                             | Harmonized System (HS) code                   | 8542310001     |
| 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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### Catalog Object Cloud



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