



## Fujitsu Xeon Intel Gold 5218 processor 2.3 GHz 22 MB

**Brand :** Fujitsu

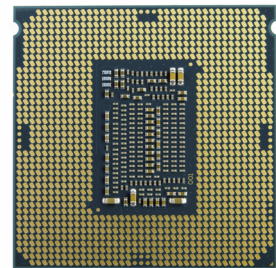
**Product family:** Xeon

**Product code:** S26361-F4082-E218

**Product name :** Intel Xeon Gold 5218

Intel Xeon Gold 5218 (22MB Cache, up to 3.9 GHz)

Fujitsu Xeon Intel Gold 5218. Processor family: Intel® Xeon® Gold, Processor socket: LGA 3647 (Socket P), Processor lithography: 14 nm. Memory channels: Hexa-channel, Maximum internal memory supported by processor: 1.02 TB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Supported instruction sets: AVX-512, Scalability: 4S. Processor package size: 76.0 x 56.5 mm



| Processor                                      |                                      | Processor special features                                      |   |
|--|--------------------------------------|---|---|
| Processor generation                           | 2nd Generation Intel® Xeon® Scalable | Enhanced Intel SpeedStep Technology                             | ✓ |
| Processor model *                              | 5218                                 | Intel Trusted Execution Technology                              | ✓ |
| Processor base frequency *                     | 2.3 GHz                              | Intel® Speed Shift Technology                                   | ✓ |
| Processor family *                             | Intel® Xeon® Gold                    | Intel VT-x with Extended Page Tables (EPT)                      | ✓ |
| Processor cores *                              | 16                                   | Intel TSX-NI  | ✓ |
| Processor socket *                             | LGA 3647 (Socket P)                  | Intel 64  | ✓ |
| Component for                                  | Server/workstation                   | Intel Virtualization Technology (VT-x)                          | ✓ |
| Processor lithography *                        | 14 nm                                | Intel Virtualization Technology for Directed I/O (VT-d)         | ✓ |
| Processor threads                              | 32                                   | Intel Turbo Boost Max Technology 3.0                            | ✗ |
| Processor operating modes *                    | 64-bit                               | AVX-512 Fused Multiply-Add (FMA) units                          | 1 |
| Processor boost frequency                      | 3.9 GHz                              | Intel® Deep Learning Boost (Intel® DL Boost)                    | ✓ |
| Processor cache                                | 22 MB                                | Intel® Resource Director Technology (Intel® RDT)                | ✓ |
| Thermal Design Power (TDP)                     | 125 W                                | Intel® Volume Management Device (VMD)                           | ✓ |
| Processor codename                             | Cascade Lake                         | Intel® Run Sure Technology                                      | ✓ |
| Processor ARK ID                               | 192444                               | Mode-based Execute Control (MBE)                                | ✓ |
| <b>Memory</b>                                  |                                      | Intel® vPro™ Platform Eligibility                               | ✓ |
| Maximum internal memory supported by processor | 1.02 TB                              | Intel Speed Select Technology (SST)                             | ✗ |
| Memory types supported by processor            | DDR4-SDRAM                           | Intel® Speed Select Technology - Base Frequency (Intel® SST-BF) | ✗ |
| Memory clock speeds supported by processor     | 2667 MHz                             | Intel® Optane™ DC Persistent Memory technology                  | ✓ |
| Memory channels *                              | Hexa-channel                         |   |   |
| ECC  | ✓                                    |   |   |
| <b>Graphics</b>                                |                                      |   |   |
| On-board graphics card *                       | ✗                                    |   |   |
| Discrete graphics card *                       | ✗                                    |   |   |
| On-board graphics card model *                 | Not available                        |   |   |

| Graphics   |               | Operational conditions      |                |
|--|---------------|-----------------------------|----------------|
| Discrete graphics card model *                           | Not available | Tcase                       | 87 °C          |
| Features   |               | Technical details           |                |
| Execute Disable Bit                                      | ✓             | Launch date                 | Q2'19          |
| Market segment   | Server        | Product type                | Processor      |
| Maximum number of PCI Express lanes                      | 48            | Status                      | Launched       |
| PCI Express slots version                                | 3.0           | Memory speed (max)          | 2667 MHz       |
| Supported instruction sets                               | AVX-512       | Number of UPI links         | 2              |
| Scalability  | 4S            | Logistics data              |                |
| Embedded options available                               | ✗             | Harmonized System (HS) code | 8542310001     |
| PCI Express CEM revision                                 | 3.0           | Weight & dimensions         |                |
| Processor special features                               |               | Processor package size      | 76.0 x 56.5 mm |
| Intel® Hyper Threading Technology (Intel® HT Technology) | ✓             |                             |                |
| Intel® Turbo Boost Technology                            | 2.0           |                             |                |
| Intel® AES New Instructions (Intel® AES-NI)              | ✓             |                             |                |

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