



Intel® Xeon® Gold 5119T Processor

19.25M Cache, 1.90 GHz

Spec Code

SR3MN

Ordering Code

CD8067303567703

Intel® Xeon® Gold 5119T Processor (19.25M Cache, 1.90 GHz)

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|-----------|---------|
| Code Name | Skylake |
|-----------|---------|

Essentials

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|----------------------------|------------|
| Vertical Segment | Server |
| Processor Number | 5119T |
| Status | Launched |
| Launch Date | Q3'17 |
| Lithography | 14 nm |
| Recommended Customer Price | \$1,555.00 |

Performance

| | |
|--------------------------|-------------|
| # of Cores | 14 |
| # of Threads | 28 |
| Processor Base Frequency | 1.90 GHz |
| Max Turbo Frequency | 3.20 GHz |
| Cache | 19.25 MB L3 |
| # of UPI Links | 2 |
| TDP | 85 W |

Supplemental Information

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|----------------------------|----------------------|
| Embedded Options Available | Yes |
| Conflict Free | Yes |
| Datasheet | Link |
| Product Brief | Link |

Memory Specifications

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|--|--------|
| Max Memory Size (dependent on memory type) | 768 GB |
|--|--------|

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|---|--|
| Memory Types | DDR4-2400 |
| Maximum Memory Speed | 2400 MHz |
| Max # of Memory Channels | 6 |
| ECC Memory Supported ‡ | Yes |
| Expansion Options | |
| Scalability | S4S |
| PCI Express Revision | 3 |
| Max # of PCI Express Lanes | 48 |
| <u>Package Specifications</u> | |
| Sockets Supported | FCLGA3647 |
| T_{CASE} | 90°C |
| Package Size | 76.0mm x 56.5mm |
| Low Halogen Options Available | See MDDS |
| <u>Advanced Technologies</u> | |
| Intel® Optane™ Memory Supported ‡ | No |
| Intel® Speed Shift Technology | Yes |
| Intel® Turbo Boost Max Technology 3.0 ‡ | No |
| Intel® Turbo Boost Technology | 2 |
| Intel® vPro™ Technology ‡ | Yes |
| Intel® Hyper-Threading Technology ‡ | Yes |
| Intel® Virtualization Technology (VT-x) ‡ | Yes |
| Intel® TSX-NI | Yes |
| Intel® 64 ‡ | Yes |
| Instruction Set Extensions | Intel® SSE4.2, Intel® AVX, Intel® AVX2, Intel® AVX-512 |
| # of AVX-512 FMA Units | 1 |
| Enhanced Intel SpeedStep® Technology | Yes |
| Intel® Volume Management Device (VMD) | Yes |
| <u>Security & Reliability</u> | |
| Intel® AES New Instructions | Yes |
| Intel® Trusted Execution Technology ‡ | Yes |
| Execute Disable Bit ‡ | Yes |
| Intel® Run Sure Technology | Yes |
| Mode-based Execute Control (MBE) | Yes |