



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)

Code Name	Skylake
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Essentials

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

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

Memory Specifications

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