



Intel® Xeon® Silver 4109T Processor

11M Cache, 2.00 GHz

Spec Code

SR3GP

Ordering Code

CD8067303562200

Intel® Xeon® Silver 4109T Processor (11M Cache, 2.00 GHz)

Code Name	Skylake
Essentials	
Vertical Segment	Server
Processor Number	4109T
Status	Launched
Launch Date	Q3'17
Lithography	14 nm
Recommended Customer Price	\$501.00
Performance	
# of Cores	8
# of Threads	16
Processor Base Frequency	2.00 GHz
Max Turbo Frequency	3.00 GHz
Cache	11 MB L3
# of UPI Links	2
TDP	70 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

Memory Types	DDR4-2400
Maximum Memory Speed	2400 MHz
Max # of Memory Channels	6
<u>ECC Memory Supported ‡</u>	<u>Yes</u>
Expansion Options	
Scalability	2S
PCI Express Revision	3
<u>Max # of PCI Express Lanes</u>	<u>48</u>
Package Specifications	
Sockets Supported	FCLGA3647
T _{CASE}	90°C
Package Size	76.0mm x 56.5mm
<u>Low Halogen Options Available</u>	<u>See MDDS</u>
Advanced Technologies	
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
<u>Intel® Volume Management Device (VMD)</u>	<u>Yes</u>
Security & Reliability	
Intel® AES New Instructions	Yes
Intel® Trusted Execution Technology ‡	Yes
Mode-based Execute Control (MBE)	Yes