



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Intel® Xeon® Gold 5120T Processor

19.25M Cache, 2.20 GHz

Spec Code

SR3GC

Ordering Code

CD8067303535700

Intel® Xeon® Gold 5120T Processor (19.25M Cache, 2.20 GHz)

Code Name	Skylake
<u>Essentials</u>	
Vertical Segment	Server
Processor Number	5120T
Status	Launched
Launch Date	Q3'17
Lithography	14 nm
Recommended Customer Price	\$1,727.00
<u>Performance</u>	
# of Cores	14
# of Threads	28
Processor Base Frequency	2.20 GHz
Max Turbo Frequency	3.20 GHz
Cache	19.25 MB L3
# of UPI Links	2
<u>TDP</u>	<u>105 W</u>
Supplemental Information	
Embedded Options Available	Yes
Conflict Free	Yes
Datasheet	Link
<u>Product Brief</u>	<u>Link</u>
Memory Specifications	
Max Memory Size (dependent on memory type)	768 GB

Memory Types	DDR4-2400
Maximum Memory Speed	2.40 GHz
Max # of Memory Channels	6
<u>ECC Memory Supported ‡</u>	<u>Yes</u>
Expansion Options	
Scalability	S4S
PCI Express Revision	3
<u>Max # of PCI Express Lanes</u>	<u>48</u>
Package Specifications	
Sockets Supported	FCLGA3647
T_{CASE}	89°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
Intel® Run Sure Technology	Yes
Mode-based Execute Control (MBE)	Yes