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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® Silver 4116 Processor

16.5M Cache, 2.10 GHz

Spec Code

SR3HQ

Ordering Code

CD8067303567200

## Intel® Xeon® Silver 4116 Processor (16.5M Cache, 2.10 GHz)

Code Name	Skylake
<b>Essentials</b>	
Vertical Segment	Server
Processor Number	4116
Status	Launched
Launch Date	Q3'17
Lithography	14 nm
Recommended Customer Price	\$1002.00 - \$1012.00
<b>Performance</b>	
# of Cores	12
# of Threads	24
Processor Base Frequency	2.10 GHz
Max Turbo Frequency	3.00 GHz
Cache	16.5 MB L3
# of UPI Links	2
<b>TDP</b>	<b>85 W</b>
Supplemental Information	
Embedded Options Available	Yes
Conflict Free	Yes
Datasheet	<a href="#">Link</a>
<b>Product Brief</b>	<a href="#">Link</a>
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
<b><u>ECC Memory Supported ‡</u></b>	<b><u>Yes</u></b>
Expansion Options	
Scalability	2S
PCI Express Revision	3
<b><u>Max # of PCI Express Lanes</u></b>	<b><u>48</u></b>
Package Specifications	
Sockets Supported	FCLGA3647
T<sub>CASE</sub>	76°C
Package Size	76.0mm x 56.5mm
<b><u>Low Halogen Options Available</u></b>	<b><u>See MDDS</u></b>
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
<b><u>Intel® Volume Management Device (VMD)</u></b>	<b><u>Yes</u></b>
Security & Reliability	
Intel® AES New Instructions	Yes
Intel® Trusted Execution Technology ‡	Yes
Mode-based Execute Control (MBE)	Yes