



Intel® Xeon® Bronze 3106 Processor

11M Cache, 1.70 GHz

Spec Code

SR3GL

Ordering Code

CD8067303561900

Intel® Xeon® Bronze 3106 Processor (11M Cache, 1.70 GHz)

Code Name	Skylake
<u>Essentials</u>	
Vertical Segment	Server
Processor Number	3106
Status	Launched
Launch Date	Q3'17
Lithography	14 nm
Recommended Customer Price	\$306.00 - \$316.00
<u>Performance</u>	
# of Cores	8
# of Threads	8
Processor Base Frequency	1.70 GHz
Cache	11 MB L3
# of UPI Links	2
TDP	85 W
<u>Supplemental Information</u>	
Embedded Options Available	Yes
Conflict Free	Yes
Datasheet	Link
Product Brief	Link
<u>Memory Specifications</u>	
Max Memory Size (dependent on memory type)	768 GB
Memory Types	DDR4-2133

Maximum Memory Speed	2.13 GHz
Max # of Memory Channels	6
ECC Memory Supported ‡	Yes
<u>Expansion Options</u>	
Scalability	2S
PCI Express Revision	3.0
Max # of PCI Express Lanes	48
<u>Package Specifications</u>	
Sockets Supported	FCLGA3647
T_{CASE}	77°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	No
Intel® vPro™ Technology ‡	Yes
Intel® Hyper-Threading Technology ‡	No
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
Intel® Volume Management Device (VMD)	Yes
<u>Security & Reliability</u>	
Intel® AES New Instructions	Yes
Intel® Trusted Execution Technology ‡	Yes
Mode-based Execute Control (MBE)	Yes

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