



# Intel® Xeon® Silver 4310T Processor

15M Cache, 2.30 GHz

Spec Code

SRKXP

Ordering Code

CD8068904659001

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Intel® Xeon® Silver 4310T Processor (15M Cache, 2.30 GHz)	
<b>Essentials</b>	
Product Collection	3rd Generation Intel® Xeon® Scalable Processors
Code Name	Products formerly Ice Lake
Vertical Segment	Server
Processor Number	4310T
Status	Launched
Launch Date	Q2'21
Lithography	10 nm
Recommended Customer Price	\$555.00
<b>CPU Specifications</b>	
# of Cores	10
# of Threads	20
Processor Base Frequency	2.30 GHz
Max Turbo Frequency	3.40 GHz
Cache	15 MB
# of UPI Links	2
TDP	105 W
Intel® UPI Speed	10.4 GT/s
<b>Supplemental Information</b>	
Embedded Options Available	Yes
<b>Memory Specifications</b>	
Max Memory Size (dependent on memory type)	6 TB
Memory Types	DDR4-2667
Maximum Memory Speed	2667 MHz
Max # of Memory Channels	8
ECC Memory Supported ‡	Yes
Intel® Optane™ Persistent Memory Supported	No
<b>Expansion Options</b>	
Scalability	2S
PCI Express Revision	4

Max # of PCI Express Lanes	64
<b>Package Specifications</b>	
Sockets Supported	FCLGA4189
TCASE	88°C
Package Size	77.5mm x 56.5mm
<b>Advanced Technologies</b>	
Intel® Deep Learning Boost (Intel® DL Boost)	Yes
Intel® Resource Director Technology (Intel® RDT)	Yes
Intel® Speed Shift Technology	Yes
Intel® Turbo Boost Technology ‡	2
Intel® Hyper-Threading Technology ‡	Yes
Intel® Virtualization Technology (VT-x) ‡	Yes
Intel® Virtualization Technology for Directed I/O (VT-d) ‡	Yes
Intel® VT-x with Extended Page Tables (EPT) ‡	Yes
Intel® Transactional Synchronization Extensions	Yes
Intel® 64 ‡	Yes
Instruction Set Extensions	Intel® SSE4.2, Intel® AVX, Intel® AVX2, Intel® AVX-512
# of AVX-512 FMA Units	2
Intel® Volume Management Device (VMD)	Yes
<b>Security &amp; Reliability</b>	
Intel® AES New Instructions	Yes
Intel® Software Guard Extensions (Intel® SGX)	Yes with Intel® SPS
Intel® Trusted Execution Technology ‡	Yes
Execute Disable Bit ‡	Yes
Mode-based Execute Control (MBE)	Yes
Intel® Total Memory Encryption	Yes
Intel® Platform Firmware Resilience Support	Yes
Maximum Enclave Size Support for Intel® SGX	8 GB
Intel® Crypto Acceleration	Yes
Maximum Enclave Size Support for Intel® SGX	64 GB
Intel® Crypto Acceleration	Yes