



# Intel® Xeon® Gold 6326 Processor

24M Cache, 2.90 GHz

Spec Code

SRKXK

Ordering Code

CD8068904657502

Intel® Xeon® Gold 6326 Processor (24M Cache, 2.90 GHz)	
<b>Essentials</b>	
Product Collection	3rd Generation Intel® Xeon® Scalable Processors
Code Name	Products formerly Ice Lake
Vertical Segment	Server
Processor Number	6326
Status	Launched
Launch Date	Q2'21
Lithography	10 nm
<b>CPU Specifications</b>	
# of Cores	16
# of Threads	32
Processor Base Frequency	2.90 GHz
Max Turbo Frequency	3.50 GHz
Cache	24 MB
# of UPI Links	3
TDP	185 W
<b>Supplemental Information</b>	
Embedded Options Available	Yes
<b>Memory Specifications</b>	
Max Memory Size (dependent on memory type)	6 TB
Memory Types	DDR4-3200
Maximum Memory Speed	3200 MHz
Max # of Memory Channels	8
ECC Memory Supported ‡	Yes
Intel® Optane™ Persistent Memory Supported	Yes
<b>Expansion Options</b>	
Scalability	2S
PCI Express Revision	4
Max # of PCI Express Lanes	64
<b>Package Specifications</b>	
Sockets Supported	FCLGA4189
TCASE	78°C
Package Size	77.5mm x 56.5mm
<b>Advanced Technologies</b>	
Intel® Speed Select Technology - Core Power	Yes

Intel® Speed Select Technology - Turbo Frequency	Yes
Intel® Deep Learning Boost (Intel® DL Boost)	Yes
Intel® Speed Select Technology - Base Frequency	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
Intel® Run Sure Technology	Yes
Mode-based Execute Control (MBE)	Yes
Intel® Total Memory Encryption	Yes