

ARK Compare Intel® Products		
Intel® Xeon® Silver 4214 Processor (16.5M Cache, 2.20 GHz)		
Essentials		
Processors	Product Collection	
Products formerly Cascade Lake	Code Name	
Server	Vertical Segment	
4214	Processor Number	
Launched	Status	
Q2'19	Launch Date	
14 nm	Lithography	
Server/Enterprise	Use Conditions	
\$694.00 - \$704.00	Recommended Customer Price	
CPU Specifications		
12	# of Cores	
24	# of Threads	
2.20 GHz	Processor Base Frequency	
3.20 GHz	Max Turbo Frequency	
16.5 MB	Cache	
2	# of UPI Links	
85 W	TDP	
Supplemental Information		
Yes	Embedded Options Available	
View now	Product Brief	
Memory Specifications		
1 TB	Max Memory Size (dependent on memory type)	
DDR4-2400	Memory Types	
2400 MHz	Maximum Memory Speed	
6	Max # of Memory Channels	
Yes	ECC Memory Supported ‡	
No	Intel® Optane™ Persistent Memory Supported	
Expansion Options		
2S	Scalability	
3	PCI Express Revision	
48	Max # of PCI Express Lanes	
Package Specifications		
FCLGA3647	Sockets Supported	
77°C	TCASE	
76.0mm x 56.5mm	Package Size	
Advanced Technologies		
Yes	Intel® Deep Learning Boost (Intel® DL Boost)	
No	Intel® Speed Select Technology - Performance Profile	
No	Intel® Speed Select Technology - Base Frequency	
Yes	Intel® Resource Director Technology (Intel® RDT)	
Yes	Intel® Speed Shift Technology	
No	Intel® Turbo Boost Max Technology 3.0 ‡	
2	Intel® Turbo Boost Technology ‡	
Yes	Intel vPro® Platform Eligibility ‡	

Yes	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 ‡
Intel® SSE4.2, Intel® AVX, Intel® AVX2, Intel® AVX-512	Instruction Set Extensions
1	# of AVX-512 FMA Units
Yes	Enhanced Intel SpeedStep® Technology
Yes	Intel® Volume Management Device (VMD)
Security & Reliability	
Yes	Intel® AES New Instructions
Yes	Intel® Trusted Execution Technology ‡
Yes	Execute Disable Bit ‡
No	Intel® Run Sure Technology
Yes	Mode-based Execute Control (MBE)