



# Intel® Xeon® Gold 6230R Processor

35.75M Cache, 2.10 GHz

Spec Code

SRGZA

Ordering Code

CD8069504448800

Intel® Xeon® Gold 6230R Processor (35.75M Cache, 2.10 GHz)	
<b>Essentials</b>	
Product Collection	2nd Generation Intel® Xeon® Scalable Processors
Code Name	Products formerly Cascade Lake
Vertical Segment	Server
Processor Number	6230R
Status	Launched
Launch Date	Q1'20
Lithography	14 nm
Recommended Customer Price	\$1894.00 - \$1900.00
<b>Performance</b>	
# of Cores	26
# of Threads	52
Processor Base Frequency	2.10 GHz
Max Turbo Frequency	4.00 GHz
Cache	35.75 MB
# of UPI Links	2
TDP	150 W
<b>Supplemental Information</b>	
Embedded Options Available	Yes
<b>Memory Specifications</b>	
Max Memory Size (dependent on memory type)	1 TB
Memory Types	DDR4-2933
Maximum Memory Speed	2933 MHz
Max # of Memory Channels	6
ECC Memory Supported ‡	Yes
Intel® Optane™ DC Persistent Memory Supported	Yes
<b>Expansion Options</b>	
Scalability	2S
PCI Express Revision	3
Max # of PCI Express Lanes	48
<b>Package Specifications</b>	
Sockets Supported	FCLGA3647

TCASE	85°C
Package Size	76.0mm x 56.5mm
<b>Advanced Technologies</b>	
Intel® Deep Learning Boost (Intel® DL Boost)	Yes
Intel® Speed Select Technology - Performance Profile	No
Intel® Speed Select Technology - Base Frequency	No
Intel® Resource Director Technology (Intel® RDT)	Yes
Intel® Speed Shift Technology	Yes
Intel® Turbo Boost Max Technology 3.0 ‡	No
Intel® Turbo Boost Technology ‡	2
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 ‡	Yes
Instruction Set Extensions	Intel® SSE4.2, Intel® AVX, Intel® AVX2, Intel® AVX-512
# of AVX-512 FMA Units	2
Enhanced Intel SpeedStep® Technology	Yes
Intel® Volume Management Device (VMD)	Yes
<b>Security &amp; Reliability</b>	
Intel® AES New Instructions	Yes
Intel® Trusted Execution Technology ‡	Yes
Execute Disable Bit ‡	Yes
Intel® Run Sure Technology	Yes
Mode-based Execute Control (MBE)	Yes