

PROCESOR INTEL® XEON® GOLD 5120

(19,25 MB pamięci cache, 2,20 GHz)



Dane techniczne

Essentials

Vertical Segment	Server
Lithography	14 nm
Status	Launched
Launch Date	Q3'17
Processor Number	5120

Performance

Max Turbo Frequency	3.20 GHz
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# of Threads	28
TDP	105.0 W
Processor Base Frequency	2.20 GHz
# of Cores	14
Cache	19 MB L3

Supplemental Information

Conflict Free	Yes
Embedded Options Available	No

Memory Specifications

ECC Memory Supported [†]	Yes
Memory Types	DDR4-2400
Max # of Memory Channels	6
Max Memory Size (dependent on memory type)	768 GB

Expansion Options

Max # of PCI Express Lanes	48
Scalability	S4S
PCI Express Revision	3.0

Package Specifications

Low Halogen Options Available	No
Sockets Supported	FCLGA3647

Package Size	76.0mm x 56.5mm BGA
T _{CASE}	81°C
Advanced Technologies	
Intel® Turbo Boost Technology [†]	2.0
Intel® Turbo Boost Max Technology 3.0 [†]	No
Intel® vPro Technology [†]	Yes
Intel® Optane™ Memory Supported [†]	No
Intel® Hyper-Threading Technology [†]	Yes
Enhanced Intel SpeedStep® Technology	Yes
Intel® 64 [†]	Yes
Intel® TSX-NI	Yes
Intel® VT-x with Extended Page Tables (EPT) [†]	Yes
Yes	Intel® Speed Shift Technology
Intel® Virtualization Technology for Directed I/O (VT-d) [†]	Yes
Yes	Intel® Virtualization Technology (VT-x) [†]
Instruction Set Extensions	Intel® SSE4.2, Intel® AVX, Intel® AVX2, Intel® AVX-512
Security & Reliability	
Intel® AES New Instructions	Yes
Trusted Execution Technology [†]	Yes

Execute Disable Bit †

Yes