

PROCESOR INTEL® XEON® GOLD 5120T

(19,25 MB pamięci cache, 2,20 GHz)



Dane techniczne

Essentials

Processor Number	5120T
Status	Launched
Launch Date	Q3'17
Lithography	14 nm
Vertical Segment	Server

Performance

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

Supplemental Information

Conflict Free	Yes
Embedded Options Available	Yes

Memory Specifications

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

Expansion Options

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

Package Specifications

Low Halogen Options Available	No
Package Size	76.0mm x 56.5mm

T _{CASE}	89°C
Sockets Supported	FCLGA3647
Advanced Technologies	
Intel® Optane™ Memory Supported †	No
Intel® Speed Shift Technology	Yes
Intel® 64 †	Yes
Intel® TSX-NI	Yes
Intel® Virtualization Technology for Directed I/O (VT-d) †	Yes
	Intel® VT-x with Extended Page Tables (EPT) †
Yes	
Instruction Set Extensions	Intel® SSE4.2, Intel® AVX, Intel® AVX2, Intel® AVX-512
Intel® vPro Technology †	Yes
Intel® Turbo Boost Technology †	2.0
Enhanced Intel SpeedStep® Technology	Yes
Intel® Turbo Boost Max Technology 3.0 †	No
Intel® Hyper-Threading Technology †	Yes
Intel® Virtualization Technology (VT-x) †	Yes
Security & Reliability	
Trusted Execution Technology †	Yes
Intel® AES New Instructions	Yes
Execute Disable Bit †	Yes