

PROCESOR INTEL® XEON® GOLD 6150

(24,75 MB pamięci cache, 2,70 GHz)



Dane techniczne

Essentials

Processor Number	6150
Lithography	14 nm
Vertical Segment	Server
Status	Launched
Launch Date	Q3'17

Performance

# of Cores	18
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TDP	165.0 W
Processor Base Frequency	2.70 GHz
Max Turbo Frequency	3.70 GHz
Cache	25 MB L3
# of Threads	36

Supplemental Information

Embedded Options Available	No
Conflict Free	Yes

Memory Specifications

Max # of Memory Channels	6
Memory Types	DDR4-2666
ECC Memory Supported [†]	Yes
Max Memory Size (dependent on memory type)	768 GB

Expansion Options

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

Package Specifications

Package Size	76.0mm x 56.5mm
T _{CASE}	89°C

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