

PROCESOR INTEL® XEON® GOLD 6138T

(27,5 MB pamięci cache, 2,00 GHz)



Dane techniczne

Essentials

Launch Date	Q3'17
Vertical Segment	Server
Processor Number	6138T
Status	Launched
Lithography	14 nm

Performance

Cache	28 MB L3
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# of Threads	40
TDP	125.0 W
Processor Base Frequency	2.00 GHz
# of Cores	20
Max Turbo Frequency	3.70 GHz

Supplemental Information

Embedded Options Available	Yes
Conflict Free	Yes

Memory Specifications

Memory Types	DDR4-2666
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
Scalability	S4S
Max # of PCI Express Lanes	48

Package Specifications

Low Halogen Options Available	No
Sockets Supported	FCLGA3647

T _{CASE}	94°C
Package Size	76.0mm x 56.5mm
Advanced Technologies	
Intel® TSX-NI	Yes
Intel® Turbo Boost Technology [†]	2.0
Intel® Virtualization Technology for Directed I/O (VT-d) [†]	Yes
Yes	Intel® VT-x with Extended Page Tables (EPT) [†]
Enhanced Intel SpeedStep® Technology	Yes
Intel® Speed Shift Technology	Yes
Intel® 64 [†]	Yes
Intel® Hyper-Threading Technology [†]	Yes
Intel® Virtualization Technology (VT-x) [†]	Yes
Instruction Set Extensions	Intel® SSE4.2, Intel® AVX, Intel® AVX2, Intel® AVX-512
Intel® Turbo Boost Max Technology 3.0 [†]	No
Intel® vPro Technology [†]	Yes
Intel® Optane™ Memory Supported [†]	No
Security & Reliability	
Trusted Execution Technology [†]	Yes
Intel® AES New Instructions	Yes
Execute Disable Bit [†]	Yes