

PROCESOR INTEL® XEON® GOLD 6140M

(24,75 MB pamięci cache, 2,30 GHz)



Dane techniczne

Essentials

Launch Date	Q3'17
Status	Launched
Processor Number	6140M
Lithography	14 nm
Vertical Segment	Server

Performance

# of Cores	18
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TDP	140.0 W
Max Turbo Frequency	3.70 GHz
# of Threads	36
Cache	25 MB L3
Processor Base Frequency	2.30 GHz

Supplemental Information

Conflict Free	Yes
Embedded Options Available	No

Memory Specifications

Max # of Memory Channels	6
Max Memory Size (dependent on memory type)	1500 GB
ECC Memory Supported [†]	Yes
Memory Types	DDR4-2666

Expansion Options

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

Package Specifications

Sockets Supported	FCLGA3647
T _{CASE}	91°C

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