

# PROCESOR INTEL® XEON® GOLD 6146

(24,75 MB pamięci cache, 3,20 GHz)



## Dane techniczne

### Essentials

Launch Date	Q3'17
Processor Number	6146
Status	Launched
Lithography	14 nm
Vertical Segment	Server

### Performance

Max Turbo Frequency	4.20 GHz
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TDP	165.0 W
Cache	25 MB L3
# of Threads	24
Processor Base Frequency	3.20 GHz
# of Cores	12

#### Supplemental Information

Conflict Free	Yes
Embedded Options Available	No

#### Memory Specifications

Max # of Memory Channels	6
Max Memory Size (dependent on memory type)	768 GB
Memory Types	DDR4-2666
ECC Memory Supported <sup>†</sup>	Yes

#### Expansion Options

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

#### Package Specifications

Package Size	76.0mm x 56.5mm
T <sub>CASE</sub>	76°C

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