

# PROCESOR INTEL® XEON® GOLD 6136

(24,75 MB pamięci cache, 3,00 GHz)



## Dane techniczne

### Essentials

Launch Date	Q3'17
Vertical Segment	Server
Status	Launched
Processor Number	6136
Lithography	14 nm

### Performance

Processor Base Frequency	3.00 GHz
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Max Turbo Frequency	3.70 GHz
# of Threads	24
# of Cores	12
Cache	25 MB L3
TDP	150.0 W

#### Supplemental Information

Embedded Options Available	No
Conflict Free	Yes

#### Memory Specifications

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

DDR4-2666

#### Expansion Options

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

#### Package Specifications

Low Halogen Options Available	No
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Package Size	76.0mm x 56.5mm
Sockets Supported	FCLGA3647
T <sub>CASE</sub>	85°C
Advanced Technologies	
Intel® Turbo Boost Max Technology 3.0 <sup>†</sup>	No
Intel® TSX-NI	Yes
Intel® Hyper-Threading Technology <sup>†</sup>	Yes
Intel® Turbo Boost Technology <sup>†</sup>	2.0
Instruction Set Extensions	Intel® SSE4.2, Intel® AVX, Intel® AVX2, Intel® AVX-512
Intel® VT-x with Extended Page Tables (EPT) <sup>†</sup>	Yes
Intel® Virtualization Technology (VT-x) <sup>†</sup>	Yes
Intel® 64 <sup>†</sup>	Yes
Enhanced Intel SpeedStep® Technology	Yes
Intel® Optane™ Memory Supported <sup>†</sup>	No
Intel® Virtualization Technology for Directed I/O (VT-d) <sup>†</sup>	Yes
	Intel® Speed Shift Technology
Yes	
Intel® vPro Technology <sup>†</sup>	Yes
Security & Reliability	
Intel® AES New Instructions	Yes
Trusted Execution Technology <sup>†</sup>	Yes

Execute Disable Bit †

Yes