

# PROCESOR INTEL® XEON® GOLD 6152

(30,25 MB pamięci cache, 2,10 GHz)



## Dane techniczne

### Essentials

Vertical Segment	Server
Lithography	14 nm
Launch Date	Q3'17
Processor Number	6152
Status	Launched

### Performance

TDP	140.0 W
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# of Threads	44
Processor Base Frequency	2.10 GHz
Cache	30 MB L3
Max Turbo Frequency	3.70 GHz
# of Cores	22

#### Supplemental Information

Embedded Options Available	No
Conflict Free	Yes

#### Memory Specifications

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

#### Expansion Options

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

#### Package Specifications

Package Size	76.0mm x 56.5mm
Low Halogen Options Available	No

T <sub>CASE</sub>	92°C
Sockets Supported	FCLGA3647
Advanced Technologies	
Intel® Virtualization Technology for Directed I/O (VT-d) <sup>†</sup>	Yes
Yes	Intel® 64 <sup>†</sup>
Intel® TSX-NI	Yes
Intel® Virtualization Technology (VT-x) <sup>†</sup>	Yes
Intel® Turbo Boost Technology <sup>†</sup>	2.0
Intel® Speed Shift Technology	Yes
Intel® Turbo Boost Max Technology 3.0 <sup>†</sup>	No
Intel® Hyper-Threading Technology <sup>†</sup>	Yes
Instruction Set Extensions	Intel® SSE4.2, Intel® AVX, Intel® AVX2, Intel® AVX-512
Enhanced Intel SpeedStep® Technology	Yes
Intel® vPro Technology <sup>†</sup>	Yes
Intel® Optane™ Memory Supported <sup>†</sup>	No
Intel® VT-x with Extended Page Tables (EPT) <sup>†</sup>	Yes
Security & Reliability	
Intel® AES New Instructions	Yes
Trusted Execution Technology <sup>†</sup>	Yes
Execute Disable Bit <sup>†</sup>	Yes