

PROCESOR INTEL® XEON® W-2155

(13,75 MB pamięci cache, 3,30 GHz)



Dane techniczne

Essentials

Processor Number	W-2155
Vertical Segment	Server
Lithography	14 nm
Status	Launched
Launch Date	Q3'17

Performance

TDP	140.0 W
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# of Threads	20
Bus Speed	0 GT/s QPI
Max Turbo Frequency	4.50 GHz
Processor Base Frequency	3.30 GHz
Cache	14 MB
# of QPI Links	0
# of Cores	10

Supplemental Information

Conflict Free	Yes
Embedded Options Available	No

Memory Specifications

Max # of Memory Channels	4
Physical Address Extensions	46-bit
Max Memory Bandwidth	85.3 GB/s
ECC Memory Supported [†]	Yes
Max Memory Size (dependent on memory type)	512 GB
	Memory Types

DDR4 1600/1866/2133/2400/2666

Expansion Options

PCI Express Configurations [†]	x4, x8, x16
PCI Express Revision	3.0

Max # of PCI Express Lanes	48
Scalability	1S Only
Package Specifications	
T _{CASE}	68
Low Halogen Options Available	No
Max CPU Configuration	1
Sockets Supported	FCLGA2066
Package Size	45mm x 52.5mm
Advanced Technologies	
Intel® Flex Memory Access	No
Intel® Speed Shift Technology	Yes
Intel® Identity Protection Technology †	Yes
Intel® TSX-NI	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® Turbo Boost Technology †	2.0
Intel® Demand Based Switching	Yes
Intel® VT-x with Extended Page Tables (EPT) †	Yes
	Intel® Hyper-Threading Technology †
Yes	

Instruction Set	64-bit
Intel® Turbo Boost Max Technology 3.0 †	No
Thermal Monitoring Technologies	Yes
Enhanced Intel SpeedStep® Technology	Yes
Intel® vPro Technology †	Yes
Intel® Virtualization Technology (VT-x) †	Yes
Idle States	Yes
Intel® 64 †	Yes
Intel® Optane™ Memory Supported †	No
Security & Reliability	
Intel® Software Guard Extensions (Intel® SGX)	No
Yes	Intel® AES New Instructions
Execute Disable Bit †	Yes
Secure Key	Yes
Trusted Execution Technology †	Yes
Intel® Device Protection Technology with Boot Guard	Yes
OS Guard	Yes
Intel® Memory Protection Extensions (Intel® MPX)	Yes



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