

PROCESOR INTEL® XEON® D-1577

(24 MB pamięci cache, 1,30 GHz)



Dane techniczne

Essentials

Status	Launched
Lithography	14nm
Processor Number	D-1577
Vertical Segment	Server
Launch Date	Q1'16

Performance

Cache	24 MB
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# of Cores	16
TDP	45.0 W
Max Turbo Frequency	2.10 GHz
Processor Base Frequency	1.30 GHz
# of Threads	32

Supplemental Information

Conflict Free	Yes
Embedded Options Available	Yes

Memory Specifications

Max # of Memory Channels	2
Max Memory Size (dependent on memory type)	128 GB
Memory Types	DDR4, DDR3
ECC Memory Supported [†]	Yes

Expansion Options

Scalability	1S Only
Max # of PCI Express Lanes	32
PCI Express Revision	2.0/3.0
PCI Express Configurations [†]	x4 x8 x16

Integrated LAN	Yes
# of USB Ports	8

UART	Yes
USB Revision	2.0/3.0
Total # of SATA Ports	6
General Purpose IO	Yes
Package Specifications	
Package Size	37.5 mm x 37.5 mm
Sockets Supported	FCBGA1667
Low Halogen Options Available	No
Max CPU Configuration	1
Advanced Technologies	
Thermal Monitoring Technologies	Yes
Idle States	Yes
Intel® Turbo Boost Technology [†]	2.0
Enhanced Intel SpeedStep® Technology	Yes
Intel® Hyper-Threading Technology [†]	Yes
Intel® Virtualization Technology (VT-x) [†]	Yes
Intel® TSX-NI	Yes
Intel® Virtualization Technology for Directed I/O (VT-d) [†]	Yes
Instruction Set Extensions	AVX 2.0
Instruction Set	64-bit
	Yes

Intel® VT-x with Extended Page Tables (EPT) †	Intel® 64 †
	Yes
Security & Reliability	
OS Guard	Yes
Intel® AES New Instructions	Yes
Secure Key	Yes
Execute Disable Bit †	Yes
Trusted Execution Technology †	Yes