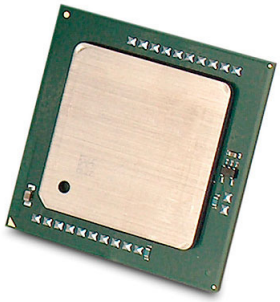
Lenovo Intel Xeon E5-2609 v4 processor 1.7 GHz 20 MB Smart Cache



Brand : Lenovo

Product code: 00YJ196

Product name : Intel Xeon E5-2609 v4

Intel Xeon E5-2609 v4, 20M Cache, 1.7 GHz, 6.4 GT/s QPI, Factory Integrated
Lenovo Intel Xeon E5-2609 v4. Processor family: Intel® Xeon® E5 v4, Processor socket: LGA 2011-v3, Processor lithography: 14 nm. Memory channels: Quad-channel, Maximum internal memory supported by processor: 1.54 TB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Supported instruction sets: AVX 2.0, Scalability: 2S

Processor	
Processor model *	E5-2609V4
Processor base frequency *	1.7 GHz
Processor family *	Intel® Xeon® E5 v4
Processor cores *	8
Processor socket *	LGA 2011-v3
Component for	Server/workstation
Processor lithography *	14 nm
Processor series	Intel Xeon E5-2600 v4
Processor threads	8
System bus rate	6.4 GT/s
Processor operating modes *	64-bit
Processor cache	20 MB
Processor cache type	Smart Cache
Thermal Design Power (TDP)	85 W
Stepping	R0
Bus type	QPI
Number of QPI links	2
Memory bandwidth supported by processor (max)	59.7 GB/s

Memory	
Maximum internal memory supported by processor	1.54 TB
Memory types supported by processor	DDR4-SDRAM
Memory clock speeds supported by processor	1600,1866 MHz
Memory channels *	Quad-channel
ECC	✓

Graphics	
On-board graphics card *	✗

Features	
Execute Disable Bit	✓
Idle States	✓
Thermal Monitoring Technologies	✓
Market segment	Server
Maximum number of PCI Express lanes	40

Features	
PCI Express slots version	3.0
Supported instruction sets	AVX 2.0
Scalability	2S
Physical Address Extension (PAE)	✓
CPU configuration (max)	2
Embedded options available	✓
Physical Address Extension (PAE)	46 bit

Processor special features	
Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Intel® Identity Protection Technology (Intel® IPT)	✗
Intel® Turbo Boost Technology	✗
Intel Flex Memory Access	✗
Intel® AES New Instructions (Intel® AES-NI)	✓
Enhanced Intel SpeedStep Technology	✓
Intel Trusted Execution Technology	✓
Intel VT-x with Extended Page Tables (EPT)	✓
Intel Demand Based Switching	✓
Intel® Secure Key	✓
Intel TSX-NI	✓
Intel® OS Guard	✓
Intel 64	✓
Intel Virtualization Technology (VT-x)	✓
Intel Virtualization Technology for Directed I/O (VT-d)	✓
Conflict-Free processor	✓
Intel® vPro™ Platform Eligibility	✓

Operational conditions	
Tcase	74 °C

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