



## Lenovo Intel Xeon E5-2609 v3 processor 1.9 GHz 15 MB L3

**Brand :** Lenovo

**Product code:** 4XG0F28859

**Product name :** Intel Xeon E5-2609 v3

Intel Xeon E5-2609 v3, 1.9 GHz, 15 MB L3 Cache, 6.4 GT/s, 22 nm, 64 bit

Lenovo Intel Xeon E5-2609 v3. Processor family: Intel Xeon E5 v3, Processor socket: LGA 2011-v3, Processor lithography: 22 nm. Memory channels: Quad-channel, Maximum internal memory supported by processor: 768 GB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Supported instruction sets: AVX 2.0, Scalability: 2S. Intel® Virtualization Technology (Intel® VT): VT-d, VT-x



Processor		Features	
Processor model *	E5-2609V3	Supported instruction sets	AVX 2.0
Processor base frequency *	1.9 GHz	Scalability	2S
Processor family *	Intel Xeon E5 v3	CPU configuration (max)	2
Processor cores *	6	Embedded options available	✗
Processor socket *	LGA 2011-v3	<b>Processor special features</b>	
Component for	Server/workstation	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor lithography *	22 nm	Intel® Identity Protection Technology (Intel® IPT)	✗
Processor threads	6	Intel® Turbo Boost Technology	2.0
System bus rate	6.4 GT/s	Intel Flex Memory Access	✗
Processor operating modes *	64-bit	Intel® Smart Cache	✓
Processor cache	15 MB	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor cache type	L3	Enhanced Intel SpeedStep Technology	✓
Thermal Design Power (TDP)	85 W	Intel Trusted Execution Technology	✓
VID Voltage Range	0.65 - 1.30 V	Intel VT-x with Extended Page Tables (EPT)	✓
Number of QPI links	2	Intel Demand Based Switching	✓
Memory bandwidth supported by processor (max)	51 GB/s	Intel® Secure Key	✓
<b>Memory</b>		Intel TSX-NI	✗
Maximum internal memory supported by processor	768 GB	Intel® OS Guard	✓
Memory types supported by processor	DDR4-SDRAM	Intel Virtualization Technology (VT-x)	✓
Memory clock speeds supported by processor	1600 MHz	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory channels *	Quad-channel	Intel® vPro™ Platform Eligibility	✓
ECC	✓	<b>Operational conditions</b>	
<b>Features</b>		Tcase	70.9 °C
Execute Disable Bit	✓	<b>Other features</b>	
Idle States	✓	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Thermal Monitoring Technologies	✓		
Market segment	Server		
Maximum number of PCI Express lanes	40		
PCI Express slots version	3.0		

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