



Lenovo Intel Xeon E5-2620 v3 processor 2.4 GHz 15 MB L3

Brand : Lenovo

Product code: 00JX060

Product name : Intel Xeon E5-2620 v3

Intel Xeon E5-2620 v3, 2.4 GHz (3.2 GHz Turbo), 15 MB Cache, 8 GT/s, 22 nm, 64 bit

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Lenovo Intel Xeon E5-2620 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 *	E5-2620V3	Maximum number of PCI Express lanes	40
Processor base frequency *	2.4 GHz	PCI Express slots version	3.0
Processor family *	Intel Xeon E5 v3	Supported instruction sets	AVX 2.0
Processor cores *	6	Scalability	2S
Processor socket *	LGA 2011-v3	Embedded options available	✓
Component for	Server/workstation	Processor special features	
Processor lithography *	22 nm	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor threads	12	Intel® Identity Protection Technology (Intel® IPT)	✗
System bus rate	8 GT/s	Intel® Turbo Boost Technology	2.0
Processor operating modes *	64-bit	Intel Flex Memory Access	✗
Processor boost frequency	3.2 GHz	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)	✓
Bus type	QPI	Intel Demand Based Switching	✓
Number of QPI links	2	Intel® Secure Key	✓
Memory bandwidth supported by processor (max)	59 GB/s	Intel TSX-NI	✗
Processor codename	Haswell	Intel Virtualization Technology (VT-x)	✓
Memory		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Maximum internal memory supported by processor	768 GB	Intel® vPro™ Platform Eligibility	✓
Memory types supported by processor	DDR4-SDRAM	Operational conditions	
Memory clock speeds supported by processor	1600,1866 MHz	Tcase	72.6 °C
Memory channels *	Quad-channel	Other features	
ECC	✓	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Graphics			
On-board graphics card *	✗		
Features			
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		
Market segment	Server		



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