

Intel Xeon E5-2630LV3 processor 1.8 GHz 20 MB Smart Cache

Brand : Intel

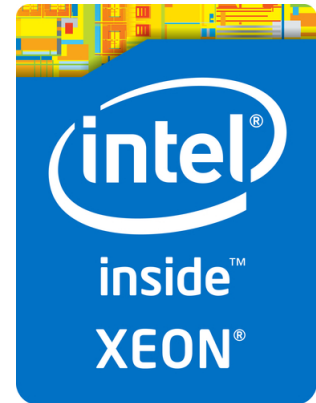
Product family: Xeon

Product code:
CM8064401832100

Product name : E5-2630LV3

Intel® Xeon® Processor E5-2630L v3
(20M Cache, 1.80 GHz)

Intel Xeon E5-2630LV3. 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, PCI Express configurations: x4, x8, x16, Supported instruction sets: AVX 2.0. Intel® Turbo Boost Technology 2.0 frequency: 2.9 GHz. Processor package size: 52.5mm x 45mm



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor model *	E5-2630LV3	Intel® Identity Protection Technology (Intel® IPT)	✗
Processor base frequency *	1.8 GHz	Intel® Turbo Boost Technology	2.0
Processor family *	Intel Xeon E5 v3	Intel Flex Memory Access	✗
Processor cores *	8	Intel® Smart Cache	✓
Processor socket *	LGA 2011-v3	Intel® AES New Instructions (Intel® AES-NI)	✓
Component for	Server/workstation	Enhanced Intel SpeedStep Technology	✓
Processor lithography *	22 nm	Intel Trusted Execution Technology	✓
Processor series	Intel Xeon E5-2600 v3	Intel® Turbo Boost Technology 2.0 frequency	2.9 GHz
Processor threads	16	Intel® Transactional Synchronization Extensions	✗
System bus rate	8 GT/s	Intel Enhanced Halt State	✓
Processor operating modes *	64-bit	Intel VT-x with Extended Page Tables (EPT)	✓
Processor boost frequency	2.9 GHz	Intel Demand Based Switching	✓
Processor cache	20 MB	Intel® Secure Key	✓
Processor cache type	Smart Cache	Intel TSX-NI	✗
L3 cache speed	1.8 GHz	Intel® OS Guard	✓
Thermal Design Power (TDP)	55 W	Intel 64	✓
Box *	✗	Intel Identity Protection Technology version	0.00
Cooler included *	✗	Intel Secure Key Technology version	1.00
VID Voltage Range	0.65 - 1.3 V	Intel Virtualization Technology (VT-x)	✓
Stepping	R2		
Bus type	QPI		
Number of QPI links	2		
Memory bandwidth supported by processor (max)	59 GB/s		
Processor codename	Haswell		
Processor code	SR209		
Processor ARK ID	83357		

Memory		Processor special features	
Maximum internal memory supported by processor	768 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory types supported by processor	DDR4-SDRAM	Intel TSX-NI version	0.00
Memory clock speeds supported by processor	1600,1866 MHz	Conflict-Free processor	✗
Memory channels *	Quad-channel	Intel® vPro™ Platform Eligibility	✓
ECC	✓	Operational conditions	
Graphics		Tcase	
On-board graphics card *	✗	60.4 °C	
Features		Technical details	
Execute Disable Bit	✓	Born on date	Q3'14
Idle States	✓	Bus bandwidth	8
Thermal Monitoring Technologies	✓	Bus type units	GT/s
Market segment	Server	Launch date	Q3'14
Maximum number of PCI Express lanes	40	Processor cache	20480 KB
PCI Express slots version	3.0	Processor core voltage	0.65-1.30
PCI Express configurations	x4, x8, x16	Product name	Intel Xeon E5-2630L v3 (20M Cache, 1.80 GHz)
Supported instruction sets	AVX 2.0	Product type	Processor
Scalability	2S	Status	Discontinued
Physical Address Extension (PAE)	✓	Maximum memory	768 GB
CPU configuration (max)	2	Processor brand name	Intel Xeon v2
Embedded options available	✗	Supported memory types	DDR4-SDRAM
Physical Address Extension (PAE)	46 bit	Last change	63903513
PCI Express CEM revision	3.0	Product family	Intel Xeon Processor E5 v3 Family
Export Control Classification Number (ECCN)	5A992C	Bus speed	8 GT/s
Commodity Classification Automated Tracking System (CCATS)	G077159	Logistics data	
		Harmonized System (HS) code	85423119
		Weight & dimensions	
		Processor package size	52.5mm x 45mm
		Other features	
		Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
		Maximum internal memory	768 GB
		Maximum internal memory	786432 MB
		Cache memory	20 MB



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