

## Intel Xeon E5-2430L processor 2 GHz 15 MB Smart Cache

**Brand :** Intel

**Product family:** Xeon

**Product code:**  
CM8062000862912

**Product name :** E5-2430L


Intel® Xeon® Processor E5-2430L

(15M Cache, 2.00 GHz, 7.20 GT/s Intel® QPI)

Intel Xeon E5-2430L. Processor family: Intel® Xeon® E5 Family, Processor socket: LGA 1356 (Socket B2), Processor lithography: 32 nm. Memory channels: Triple-channel, Maximum internal memory supported by processor: 375 GB, Memory types supported by processor: DDR3-SDRAM. Market segment: Server, Supported instruction sets: AVX, Bandwidth: 7.2 MB/s. Intel® Turbo Boost Technology 2.0 frequency: 2.5 GHz. Processor package size: 45mm x 42.5mm



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Identity Protection Technology (Intel® IPT)	✗
Processor model *	E5-2430L	Intel® Turbo Boost Technology	2.0
Processor base frequency *	2 GHz	Intel Flex Memory Access	✗
Processor family *	Intel® Xeon® E5 Family	Intel® Smart Cache	✓
Processor cores *	6	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor socket *	LGA 1356 (Socket B2)	Enhanced Intel SpeedStep Technology	✓
Component for	Server/workstation	Intel Trusted Execution Technology	✓
Processor lithography *	32 nm	Intel® Turbo Boost Technology 2.0 frequency	2.5 GHz
Processor series	Intel Xeon E5-2400	Intel Enhanced Halt State	✓
Processor threads	12	Intel VT-x with Extended Page Tables (EPT)	✓
System bus rate	7.2 GT/s	Intel Demand Based Switching	✓
Processor operating modes *	64-bit	Intel 64	✓
Processor boost frequency	2.5 GHz	Intel Identity Protection Technology version	0.00
Processor cache	15 MB	Intel Virtualization Technology (VT-x)	✓
Processor cache type	Smart Cache	Intel Virtualization Technology for Directed I/O (VT-d)	✓
L3 cache speed	2.00 GHz	Intel® vPro™ Platform Eligibility	✓
Thermal Design Power (TDP)	60 W		
Box *	✗	<b>Technical details</b>	
Cooler included *	✗	Born on date	Q2'12
VID Voltage Range	0.6 - 1.35 V	Bus bandwidth	7.2
Stepping	C2	Bus type units	GT/s
Bus type	QPI	Launch date	Q2'12
Number of QPI links	1	Processor cache	15360 KB
Memory bandwidth supported by processor (max)	32 GB/s	Processor core voltage	0.6-1.35 V
Processor codename	Sandy Bridge EN	Product name	Intel Xeon E5-2430L (15M Cache, 2.00 GHz, 7.20 GT/s Intel QPI)
Processor code	SR0LL	Product type	Processor
Processor ARK ID	64613	Status	Discontinued
<b>Memory</b>			
Maximum internal memory supported by processor	375 GB		
Memory types supported by processor	DDR3-SDRAM		

Memory		Technical details	
Memory clock speeds supported by processor	800,1066,1333 MHz	Maximum memory	384 GB
Memory channels *	Triple-channel	Processor brand name	Intel Xeon
ECC	✓	Supported memory types	DDR3-SDRAM
Features		Last change	63903513
Execute Disable Bit	✓	Product family	Intel Xeon Processor E5 Family
Idle States	✓	Bus speed	7.2 GT/s
Thermal Monitoring Technologies	✓	Logistics data	
Market segment	Server	Harmonized System (HS) code	8542310001
Maximum number of PCI Express lanes	24	Weight & dimensions	
PCI Express slots version	3.0	Processor package size	45mm x 42.5mm
Supported instruction sets	AVX	Other features	
Bandwidth	7.2 MB/s	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Scalability	2S	Compatibility	Intel S2400SC2, S2400EP2, S2400EP4, S2400GP2, S2400GP4, S1400FP2, S1400SP2, S1400SP4, S2400LP, S2400LPQ, HNS2400LP, HNS2400LPQ, HNS2400LPF, S1400FP4, P4304SC2SFEN, P4304SC2SHDR, P4308SC2MHGC, P4308GP2MHGC, R1304SP2SFBN, R1304SP2SHBN, R1304SP2SHOC, R1304SP4SHOC, R1304BB4DC, R1208BB4DC, R2208BB4GC, R2308BB4GC, H2312LPJR, H2312LPQJR, H2216LPJR, H2216LPQJR, H2216LPQKR, R2224BB4GCSAS, R2312BB4GCSAS, R2308SC2SHFN, R2308SC2SHDR, R2312SC2SHGR, R1304EP2SFFN, R1304EP2SHFN, R1208EP2SHFN, H2312LPFJR, H2216LPFJR, R2312BB4GS9, R2208BB4GS9, R1304BB4GS9, R1208BB4GS9
CPU configuration (max)	2	Maximum internal memory	384 GB
Embedded options available	✗	Maximum internal memory	393216 MB
PCI Express CEM revision	3.0	Cache memory	15 MB
Export Control Classification Number (ECCN)	5A992C		
Commodity Classification Automated Tracking System (CCATS)	G077159		
Images Type Map			
Processor special features			
Intel® Hyper Threading Technology (Intel® HT Technology)	✓		

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