



Lenovo Intel Xeon E5-2430 v2 processor 2.5 GHz 15 MB L3

Brand : Lenovo

Product code: 0C19540

Product name : Intel Xeon E5-2430 v2

Intel Xeon E5-2430 v2, for ThinkServer RD340/RD440, 2.5 GHz, LGA1356

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Processor		Features	
Processor model *	E5-2430V2	Maximum number of PCI Express lanes	24
Processor base frequency *	2.5 GHz	PCI Express slots version	3.0
Processor family *	Intel® Xeon® E5 V2 Family	Supported instruction sets	AVX
Processor cores *	6	Scalability	25
Processor socket *	LGA 1356 (Socket B2)	Physical Address Extension (PAE)	✓
Component for	Server/workstation	CPU configuration (max)	2
Processor lithography *	22 nm	Embedded options available	✓
Processor threads	12	Processor special features	
System bus rate	7.2 GT/s	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor operating modes *	32-bit, 64-bit	Intel® Identity Protection Technology (Intel® IPT)	✗
Processor boost frequency	3 GHz	Intel® Turbo Boost Technology	2.0
Processor cache	15 MB	Intel Flex Memory Access	✗
Processor cache type	L3	Intel® AES New Instructions (Intel® AES-NI)	✓
Thermal Design Power (TDP)	80 W	Enhanced Intel SpeedStep Technology	✓
VID Voltage Range	0.65 - 1.3 V	Intel Trusted Execution Technology	✓
Stepping	S1	Intel VT-x with Extended Page Tables (EPT)	✓
Bus type	QPI	Intel Demand Based Switching	✓
Number of QPI links	1	Intel® Secure Key	✓
Memory bandwidth supported by processor (max)	38.4 GB/s	Intel TSX-NI	✗
Memory		Intel Virtualization Technology (VT-x)	✓
Maximum internal memory supported by processor	384 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory types supported by processor	DDR3-SDRAM	Operational conditions	
Memory clock speeds supported by processor	800,1066,1333,1600 MHz	Tcase	76 °C
Memory channels *	Triple-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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