



## DELL Intel Xeon E5-2430 v2 processor 2.5 GHz 15 MB Smart Cache

Brand : DELL

Product code: 338-BEKG

Product name : Intel Xeon E5-2430 v2

Intel Xeon E5-2430 v2, 15M Cache, 2.5 GHz, 7.2 GT/s QPI, FCLGA1356

DELL Intel Xeon E5-2430 v2 processor 2.5 GHz 15 MB Smart Cache:

The Intel® E5-2430 v2 2.50 GHz Six Core Processor enhances the performance and the speed of your system. Additionally, the Virtualization Technology enables migration of more environments. It supports enhanced SpeedStep® technology that allows tradeoffs to be made between performance and power consumption.

Its Thermal Monitoring Technologies protect the processor package and the system from thermal failure through several thermal management features. The VT-x with Extended Page Tables (EPT) also known as Second Level Address Translation (SLAT), provides acceleration for memory intensive virtualized applications. Packed with more features, the E5-2430 v2 2.50 GHz Six Core Processor is the ideal choice for virtually all of your data demanding or standard enterprise infrastructure applications.



Processor		Features	
Processor model *	E5-2430V2	Market segment	Server
Processor base frequency *	2.5 GHz	Maximum number of PCI Express lanes	24
Processor family *	Intel® Xeon® E5 V2 Family	PCI Express slots version	3.0
Processor cores *	6	Supported instruction sets	AVX
Processor socket *	BGA 1356	Scalability	25
Component for	Server/workstation	Physical Address Extension (PAE)	✓
Processor lithography *	22 nm	CPU configuration (max)	2
Processor series	Intel Xeon E5-2400 v2	Embedded options available	✓
Processor threads	12	Physical Address Extension (PAE)	46 bit
System bus rate	7.2 GT/s	<b>Processor special features</b>	
Processor operating modes *	64-bit	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor boost frequency	3 GHz	Intel® Identity Protection Technology (Intel® IPT)	✗
Processor cache	15 MB	Intel® Turbo Boost Technology	2.0
Processor cache type	Smart Cache	Intel Flex Memory Access	✗
Thermal Design Power (TDP)	80 W	Intel® AES New Instructions (Intel® AES-NI)	✓
Cooler included *	✗	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	✗
Processor codename	Ivy Bridge EN	Intel® OS Guard	✓
<b>Memory</b>		Intel 64	✓
Maximum internal memory supported by processor	384 GB	Intel Virtualization Technology (VT-x)	✓
Memory types supported by processor	DDR3-SDRAM	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory clock speeds supported by processor	800,1066,1333,1600 MHz	<b>Operational conditions</b>	
Memory channels *	Triple-channel	Tcase	76 °C
ECC	✓		
<b>Graphics</b>			
On-board graphics card *	✗		
<b>Features</b>			
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		

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