

Intel Xeon E5420 processor 2.5 GHz 12 MB L2

Brand : Intel

Product family: Xeon

Product code: AT80574KJ060N

Product name : E5420

Intel® Xeon® Processor E5420
(12M Cache, 2.50 GHz, 1333 MHz FSB)

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The breakthrough performance, energy efficiency, and reliability of Intel® Xeon® processor-based server systems make them the ideal choice for all of your data demanding or standard enterprise infrastructure applications.

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Reliable, efficient, proven performance. Why would you depend on anything else? Intel® Xeon® processor-based servers deliver it all. Put Intel® server technology to work in your data center.



Processor		Features	
Processor manufacturer *	Intel	Commodity Classification	
Processor model *	E5420	Automated Tracking System (CCATS)	NA
Processor base frequency *	2.5 GHz	Images Type Map	
Processor family *	Intel® Xeon® 5000 Sequence	Processor special features	
Processor cores *	4	Intel® Hyper Threading Technology (Intel® HT Technology)	
Processor socket *	LGA 771 (Socket J)	Intel® Turbo Boost Technology	
Component for	Server/workstation	Enhanced Intel SpeedStep Technology	
Processor lithography *	45 nm	Intel Trusted Execution Technology	
Processor series	Intel Xeon 5400 Series	Intel Enhanced Halt State	
Processor threads	4	Intel VT-x with Extended Page Tables (EPT)	
Processor operating modes *	64-bit	Intel Demand Based Switching	
Processor cache	12 MB	Intel 64	
Processor cache type	L2	Intel Virtualization Technology (VT-x)	
L2 cache speed	2.5 GHz	Operational conditions	
Processor front side bus	1333 MHz	Maximum operating temperature	67 °C
Thermal Design Power (TDP)	80 W	Tcase	67 °C
Box *		Technical details	
Cooler included *		Born on date	Q4'07
VID Voltage Range	0.85 - 1.35 V	Bus bandwidth	1333
Stepping	C0	Bus type units	MHz
FSB Parity		Launch date	Q4'07
Bus type	FSB	Processor cache	12288 KB
CPU multiplier (bus/core ratio)	7.5	Processor core voltage	0.850-1.3500 V
Processor system type	DP	Product name	Intel Xeon E5420 (12M Cache, 2.50 GHz, 1333 MHz FSB)
Processor codename	Harpertown	Product type	Processor
Processor code	SLANV	Status	Discontinued
Processor ARK ID	33927	Processor brand name	Intel Xeon
Features		Last change	63903513
Execute Disable Bit		Product family	Intel Xeon Processor 5000 Sequence
Idle States		Bus speed	1333 MHz
Thermal Monitoring Technologies			
Market segment	Server		
Number of Processing Die Transistors	820 M		
Processing Die size	214 mm²		
Number of Graphics & IMC Die Transistors	820 M		

Features		Logistics data	
Embedded options available	✘	Harmonized System (HS) code	8542310001
Export Control Classification Number (ECCN)	3A991.A.1	Packaging data	
		Package type	Retail box
		Weight & dimensions	
		Processor package size	37.5 x 37.5 mm
		Other features	
		Cache memory	12 MB



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