

Intel Xeon X3430 processor 2.4 GHz 8 MB Smart Cache

Brand : Intel

Product family: Xeon

Product code:
BV80605001914AG

Product name : X3430

Intel® Xeon® Processor X3430
(8M Cache, 2.40 GHz)

Intel Xeon X3430. Processor family: Intel® Xeon® 3000 Sequence, Processor socket: LGA 1156 (Socket H), Processor lithography: 45 nm. Memory channels: Dual-channel, Maximum internal memory supported by processor: 32 GB, Memory types supported by processor: DDR3-SDRAM. Market segment: Server, PCI Express configurations: 1x16, 2x8, 4x4, Number of Processing Die Transistors: 774 M. Package type: Retail box. Processor package size: 37.5 x 37.5 mm



Processor		Features	
Processor manufacturer *	Intel	Commodity Classification	
Processor model *	X3430	Automated Tracking System (CCATS)	NA
Processor base frequency *	2.4 GHz	Images Type Map	<input checked="" type="checkbox"/>
Processor family *	Intel® Xeon® 3000 Sequence	Processor special features	
Processor cores *	4	Intel® Hyper Threading Technology (Intel® HT Technology)	<input checked="" type="checkbox"/>
Processor socket *	LGA 1156 (Socket H)	Intel® Turbo Boost Technology	1.0
Component for	Server/workstation	Intel® AES New Instructions (Intel® AES-NI)	<input checked="" type="checkbox"/>
Processor lithography *	45 nm	Enhanced Intel SpeedStep Technology	<input checked="" type="checkbox"/>
Processor series	Intel Xeon 3400 Series	Intel Trusted Execution Technology	<input checked="" type="checkbox"/>
Processor threads	4	Intel Enhanced Halt State	<input checked="" type="checkbox"/>
System bus rate	2.5 GT/s	Intel VT-x with Extended Page Tables (EPT)	<input checked="" type="checkbox"/>
Processor operating modes *	64-bit	Intel Demand Based Switching	<input checked="" type="checkbox"/>
Processor boost frequency	2.8 GHz	Intel 64	<input checked="" type="checkbox"/>
Processor cache	8 MB	Intel Virtualization Technology (VT-x)	<input checked="" type="checkbox"/>
Processor cache type	Smart Cache	Intel Virtualization Technology for Directed I/O (VT-d)	<input checked="" type="checkbox"/>
Thermal Design Power (TDP)	95 W	Conflict-Free processor	<input checked="" type="checkbox"/>
Box *	<input checked="" type="checkbox"/>	Intel® vPro™ Platform Eligibility	<input checked="" type="checkbox"/>
Cooler included *	<input checked="" type="checkbox"/>	Operational conditions	
VID Voltage Range	0.65 - 1.4 V	Tcase	72.7 °C
Compatible chipsets	Intel® 3400, Intel® 3420, Intel® 3450	Technical details	
Stepping	B1	Born on date	Q3'09
Bus type	DMI	Bus bandwidth	2.5
CPU multiplier (bus/core ratio)	18	Bus type units	GT/s
Memory bandwidth supported by processor (max)	21 GB/s	Launch date	Q3'09
Processor codename	Lynnfield	Processor cache	8192 KB
Processor ARK ID	42927	Processor core voltage	0.6500-1.4000 V
Memory		Product name	Intel Xeon X3430 (8M Cache, 2.40 GHz)
Maximum internal memory supported by processor	32 GB	Product type	Processor
Memory types supported by processor	DDR3-SDRAM	Status	Discontinued
Memory clock speeds supported by processor	800,1066,1333 MHz		
Memory channels *	Dual-channel		
ECC	<input checked="" type="checkbox"/>		

Graphics		Technical details	
On-board graphics card *	✘	Maximum memory	32 GB
Features		Processor brand name	Intel Xeon
Execute Disable Bit	✔	Supported memory types	DDR3-SDRAM
Idle States	✔	Last change	63903513
Thermal Monitoring Technologies	✘	Product family	Intel Xeon Processor 3000 Sequence
Market segment	Server	Bus speed	2.5 GT/s
Maximum number of PCI Express lanes	16	Logistics data	
PCI Express slots version	2.0	Harmonized System (HS) code	8542310001
PCI Express configurations	1x16, 2x8, 4x4	Packaging data	
Number of Processing Die Transistors	774 M	Package type	Retail box
Processing Die size	296 mm ²	Weight & dimensions	
Number of Graphics & IMC Die Transistors	774 M	Processor package size	37.5 x 37.5 mm
Supported instruction sets	SSE4.2	Other features	
CPU configuration (max)	1	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Embedded options available	✔	Compatibility	Intel Server Board S3420GPLC Intel Server Board S3420GPLX Intel Server Board S3420GPV Intel Server Board S3420GPRX Intel Server System SR1630GP Intel Server System SR1630HGP Intel Server System SR1695GPRX1AC Intel Server System SR1695GPRX2AC Intel Server System SR1630GPRX Intel Server System SR1630HGPRX
Physical Address Extension (PAE)	36 bit	Maximum internal memory	32 GB
PCI Express CEM revision	2.0	Maximum internal memory	32768 MB
Export Control Classification Number (ECCN)	3A991	Cache memory	8 MB



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