

Intel Xeon X3460 processor 2.8 GHz 8 MB Smart Cache Box

Brand : Intel

Product family: Xeon

Product code: BX80605X3460

Product name : X3460

Intel® Xeon® Processor X3460
(8M Cache, 2.80 GHz)

Intel Xeon X3460. 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 width: 81 mm, Package depth: 114 mm, Package height: 102 mm. Processor package size: 37.5 x 37.5 mm



Processor		Features	
Processor manufacturer *	Intel	Export Control Classification Number (ECCN)	3A991
Processor model *	X3460	Commodity Classification Automated Tracking System (CCATS)	NA
Processor base frequency *	2.8 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)	✓
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	✓
Processor series	Intel Xeon 3400 Series	Intel Trusted Execution Technology	✓
Processor threads	8	Intel Enhanced Halt State	✓
System bus rate	2.5 GT/s	Intel VT-x with Extended Page Tables (EPT)	✓
Processor operating modes *	64-bit	Intel Demand Based Switching	✓
Processor boost frequency	3.46 GHz	Intel 64	✓
Processor cache	8 MB	Intel Virtualization Technology (VT-x)	✓
Processor cache type	Smart Cache	Intel Virtualization Technology for Directed I/O (VT-d)	✓
L3 cache speed	2.8 GHz	Conflict-Free processor	<input checked="" type="checkbox"/>
Thermal Design Power (TDP)	95 W	Intel® vPro™ Platform Eligibility	<input checked="" type="checkbox"/>
Box *	✓	Operational conditions	
Cooler included *	✓	Tcase	72.7 °C
VID Voltage Range	0.65 - 1.4 V	Technical details	
Stepping	B1	Bus bandwidth	2.5
Bus type	DMI	Bus type units	GT/s
CPU multiplier (bus/core ratio)	21	Launch date	Q3'09
Memory bandwidth supported by processor (max)	21 GB/s	Processor cache	8192 KB
Processor code	SLBJK	Product type	Processor
Processor ARK ID	42931	Status	Discontinued
Memory		Maximum memory	32 GB
Maximum internal memory supported by processor	32 GB	Processor brand name	Intel Xeon
Memory types supported by processor	DDR3-SDRAM	Supported memory types	DDR3-SDRAM
Memory channels *	Dual-channel	Last change	63903513
ECC	✓	Product family	Intel Xeon Processor 3000 Sequence
Graphics		Bus speed	2.5 GT/s
On-board graphics card *	<input checked="" type="checkbox"/>	Logistics data	
Features		Harmonized System (HS) code	8542310001
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	<input checked="" type="checkbox"/>		
Market segment	Server		
Maximum number of PCI Express lanes	16		

Features		Packaging data	
PCI Express slots version	2.0	Package width	81 mm
PCI Express configurations	1x16, 2x8, 4x4	Package depth	114 mm
Number of Processing Die Transistors	774 M	Package height	102 mm
Processing Die size	296 mm ²	Package weight	394 g
Supported instruction sets	SSE4.2	Package type	Retail box
CPU configuration (max)	1	Weight & dimensions	
Embedded options available	✘	Processor package size	37.5 x 37.5 mm
Physical Address Extension (PAE)	36 bit	Other features	
PCI Express CEM revision	2.0	Maximum internal memory	32 GB
		Maximum internal memory	32768 MB



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