

## 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 manufacturer*  Intel Processor model * X3460 Number (ECCN) Processor special (ECCN) Processor special (ECCN) Processor family*  Intel® Xeon® 3000 Sequence Processor ocres*  Intel® Turb Boost Technology Intel® HTTechnology Intel® HTTechnology Intel® AES New Instructions (Intel® Processor oberating modes * B Intel® Carb Boost Technology Intel® AES New Instructions (Intel® Processor obest Trequency 3.46 GHz Intel VT-x with Extended Page 4 Tables (EFT)  Bas * ✓ Intel Demand Based Switching 4 Intel Virtualization Technology (VT- VID Voltage Range 3.1 Intel Virtualization Technology (VT- VID Voltage Range 3.1 Intel Virtualization Technology (VT- VID Voltage Range 3.1 Intel Virtualization Technology (VT- VID Voltage Range 3.2 Intel® VPo "Platform Eligibility X Processor ode  Processor ode  Memory Jopes supported by processor ache Memory Jopes supported by proces				
Processor model * X3460 Number (ECCN) Shape of Processor base frequency * 2.8 GHz Automated Tracking System (CCATS) Automated Tracking System (CCATS) Processor cores * 4 Images Type Map ★ Automated Tracking System (CCATS) Processor socket * LGA 1156 (Socket H) Images Type Map ★ Processor socket * LGA 1156 (Socket H) Images Type Map ★ Processor sithography * 45 nm Intel № 1171 Technology (Intel® HTT Echnology) * (Intel® Att Technology) * (Intel® Att Techno	Processor		Features	
Processor model	Processor manufacturer *	Intel		3A991
Processor family*   Intel® Xeon® 3000 Sequence   CCCATS  Processor socket*   LGA 1156 (Socket H)   Images Type Map   X   Processor socket*   LGA 1156 (Socket H)   Images Type Map   X   Processor socket*   LGA 1156 (Socket H)   Images Type Map   X   Processor socket*   LGA 1156 (Socket H)   Images Type Map   X   Processor socket*   LGA 1156 (Socket H)   Images Type Map   X   Processor pecial features   Intel® Xeon® 3400 Series   Intel® Hyper Threading Technology   V   Processor processor shere   LGA 1156 (Socket H)   Intel® Hyper Threading Technology   V   Processor pecial features   LGA 1156 (Socket H)   Intel® Hyper Threading Technology   V   Processor pecial features   LGA 1156 (Socket H)   LGA 1156 (Socket H)   LGA 1156 (Socket H)   Processor pecial features   LGA 1156 (Socket H)   LGA 1156 (Socket H)   Processor pecial features   LGA 1156 (Socket H)   LGA 1156 (Socket H)   Processor pecial features   LGA 1156 (Socket H)   LGA 1156 (LGA 11	Processor model *	X3460		
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Processor socket * LGA 1156 (Socket H) Component for Server/workstation Processor Integraphy * 45 nm Intel® Hyper Threading Technology / Frocessor Integraphy * 45 nm Intel® Hyper Threading Technology / Intel® Turbo Boost Technology   1.0   Processor series   Intel Xeon 3400 Series   Intel® HT Technology   1.0   Processor othreads   8	Processor family *	Intel® Xeon® 3000 Sequence		
Processor socket* Component for Server/workstation Processor special features Processor lithography* 45 nm Intel® Hyper Threading Technology (Intel® HTTechnology) Processor series Intel Xeon 3400 Series Intel Xeon 3400 Series Intel® HSP Threading Technology Intel® HSP West Technology Intel® AES New Instructions (Intel® XES New Intel® AES New Instructions (Intel® XES New Intel® AES New	Processor cores *		Images Type Map	×
Processor lithography 45 nm	Processor socket *	LGA 1156 (Socket H)	5 ,, ,	
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Thermal Design Power (TDP) 95 W Tables (EPT)  Box *	,,		Intel Enhanced Halt State	1
Box *	•			1
Cooler included *	• • • •			,
Stepping   B1			•	
Stepping B1 x)  Bus type DMI  CPU multiplier (bus/core ratio) 21  Conflict-Free processor  Memory bandwidth supported by processor (axa)  Processor Code SLBJK  Processor ARK ID 42931  Maximum internal memory supported by processor  Memory types supported by processor  Maximum memory types  Status  Maximum memory  Status  Discontinued  Maximum memory  32 GB  DR3-SDRAM  Maximum memory  Status  DDR3-SDRAM  Execute Disable Bit  ✓  Intel Xeon  Processor brand name  Intel Xeon  DR3-SDRAM  Last change  63903513  Intel Xeon Processor 3000  Sequence  Maximum number of PCI Express  Maximum number of PCI Express  Maximum number of PCI Express  Intel Monitoring Technologies  Maximum number of PCI Express  Intel Monitoring Technologies  Maximum number of PCI Express  Intel Monitoring Technologies  Maximum number of PCI Express  Intel Xeon  Product family  Sequence  2.5 GT/s				•
Bus type CPU multiplier (bus/core ratio) CPU multiplier (bus/core ratio) Memory bandwidth supported by processor (max) Processor code SLBJK  CPU multiplier (bus/core ratio) Conflict-Free processor Intel® vPro® Platform Eligibility X  Conflict-Free processor Memory CPU multiplier (bus/core ratio) Conflict-Free processor Intel® vPro® Platform Eligibility X  Conflict-Free processor Conflict				✓
Directed I/O (VT-d) Conflict-Free processor Memory bandwidth supported by processor (max)  Processor code SLBJK  Operational conditions  Tcase Tcase Tcase Tcase Technical details  Maximum internal memory supported by processor Memory types supported by processor Meximum memory types Maximum types Maximum types Maximum types Maximum types Maximum types Maximum number of PCI Express Maximum number of PCI Ex			Intel Virtualization Technology for	,
Memory bandwidth supported by processor (max)  Processor code  SLBJK  Operational conditions  T case	· ·		Directed I/O (VT-d)	•
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Processor ARK ID  ### Action	processor (max)	21 GB/s	Intel® vPro™ Platform Eligibility	×
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Maximum internal memory supported by processor  Memory types supported by processor  Memory types supported by processor  Memory types supported by processor  Memory channels *  Dual-channel  Processor cache Product type Processor  Status Discontinued  Maximum memory  32 GB  On-board graphics card *  Processor brand name Intel Xeon  Features  Execute Disable Bit  Idle States Product family Intel Xeon Processor 3000 Sequence  Bus speed  2.5  Maximum number of PCI Express  16	Processor ARK ID	42931	Tcase	72.7 °C
Bus type units  Memory types supported by processor  Memory types supported by processor  Memory channels *  Dual-channel  Processor cache  Product type  Status  Maximum memory  Maximum memory  Supported memory types  Dual-channel  Processor  Status  Maximum memory  32 GB  Don-board graphics card *  Processor brand name  Intel Xeon  Dara-SDRAM  Last change  63903513  Intel Xeon Processor 3000  Sequence  Maximum number of PCI Express  Maximum number of PCI Express  Intel Xeon  Logistics data	Memory		Technical details	
Bus type units  GT/s  Memory types supported by processor  Memory types supported by processor  Memory channels *  Dual-channel  Processor cache Product type Processor  Status Discontinued  Maximum memory  32 GB  On-board graphics card *  Processor brand name Intel Xeon  Supported memory types  Execute Disable Bit  Accepted Disable Bit  Maximum number of PCI Express  Maximum number of PCI Express  Bus type units  GT/s  Bus type units GT/s  Bus type units GT/s  Bus type units GT/s  Garly  Garly  Garly  Garly  Frocessor cache Raying memory Rayi	Maximum internal memory	22 CB	Rus handwidth	2.5
Memory types supported by processor  Memory channels *  Dual-channel  Processor cache  Product type  Status  Maximum memory  Supported memory types  DDR3-SDRAM  Launch date  Q3'09  Processor  Status  Discontinued  Maximum memory  32 GB  Processor brand name  Intel Xeon  DDR3-SDRAM  Last change  63903513  Intel Xeon Processor 3000  Sequence  Maximum number of PCI Express  16  Logistics data	supported by processor	32 GB		
Memory channels * Dual-channel Processor cache 8192 KB ECC Product type Processor  Status Discontinued  Maximum memory 32 GB On-board graphics card * Processor brand name Intel Xeon  Features Supported memory types DDR3-SDRAM Execute Disable Bit States Product family Intel Xeon Processor 3000 Sequence  Maximum number of PCI Express 16	Memory types supported by	DDR3-SDRAM	**	
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Processor brand name Intel Xeon  Supported memory types DDR3-SDRAM  Execute Disable Bit  Idle States  Product family  Bus speed  Arket segment  Maximum number of PCI Express  16		*	• •	
Supported memory types DDR3-SDRAM  Execute Disable Bit	Graphics		Maximum memory	32 GB
Supported memory types DDR3-SDRAM  Execute Disable Bit	On-board graphics card *	×	Processor brand name	Intel Xeon
Intel Xeon Processor 3000 Sequence  Bus speed  Assignment Number of PCI Express  Maximum number of PCI Express  16	Features		Supported memory types	
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Market segment Server  Maximum number of PCI Express 16  Logistics data			•	
Maximum number of PCI Express 16	Market segment		Bus speed	2.5 GT/s
anes Harmonized System (HS) code 8542310001	Maximum number of PCI Express		Logistics data	
	lanes	10	Harmonized System (HS) code	8542310001

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 Processing Die size Supported instruction sets CPU configuration (max) Embedded options available Physical Address Extension (PAE) PCI Express CEM revision	774 M 296 mm² SSE4.2 1  X 36 bit 2.0	Package height	102 mm	
		Package weight	394 g	
		Package type	Retail box	
		Weight & dimensions		
		J		
		Processor package size	37.5 x 37.5 mm	
		Other features		
		Maximum internal memory	32 GB	
		Maximum internal memory	32768 MB	





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