

Intel Xeon E5507 processor 2.26 GHz 4 MB Smart Cache Box

Brand : Intel

Product family: Xeon

Product code: BX80602E5507

Product name : E5507

Intel® Xeon® Processor E5507
(4M Cache, 2.26 GHz, 4.80 GT/s Intel® QPI)

[Intel Xeon E5507 processor 2.26 GHz 4 MB Smart Cache Box:](#)




Server Processors

Server processors deliver enhanced, energy-efficient performance for data-intensive business applications. Powering a range of multi-core 64-bit servers, Intel server processors enable you to optimize and scale computing environments to maximize server utilization to workload, while providing you with headroom for growth.

Intel Xeon E5507. Processor family: Intel® Xeon® 5000 Sequence, Processor socket: LGA 1366 (Socket B), Processor lithography: 45 nm. Memory channels: Triple-channel, Maximum internal memory supported by processor: 144 GB, Memory types supported by processor: DDR3-SDRAM. Market segment: Server, Physical Address Extension (PAE): 40 bit, Export Control Classification Number (ECCN): 3A991.A.1. Package width: 44 mm, Package depth: 140 mm, Package height: 117 mm. Maximum internal memory: 144 GB, Maximum internal memory: 147456 MB

Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Processor model *	E5507	Intel® Turbo Boost Technology	✗
Processor base frequency *	2.26 GHz	Enhanced Intel SpeedStep Technology	✓
Processor family *	Intel® Xeon® 5000 Sequence	Intel Trusted Execution Technology	✗
Processor cores *	4	Intel Enhanced Halt State	✓
Processor socket *	LGA 1366 (Socket B)	Intel VT-x with Extended Page Tables (EPT)	✓
Component for	Server/workstation	Intel Demand Based Switching	✓
Processor lithography *	45 nm	Intel 64	✓
Processor series	Intel Xeon 5500 Series	Intel Virtualization Technology (VT-x)	✓
Processor threads	4	Intel Virtualization Technology for Directed I/O (VT-d)	✓
System bus rate	4.8 GT/s	Conflict-Free processor	✗
Processor operating modes *	64-bit	Operational conditions	
Processor cache	4 MB	Tcase	76 °C
Processor cache type	Smart Cache	Technical details	
Processor front side bus	800 MHz	Bus bandwidth	4.8
Thermal Design Power (TDP)	80 W	Bus type units	GT/s
Box *	✓	Launch date	Q1'10
Cooler included *	✓	Processor cache	4096 KB
VID Voltage Range	0.75 - 1.35 V	Product type	Processor
Bus type	QPI	Status	Discontinued
Number of QPI links	2	Maximum memory	144 GB
Memory bandwidth supported by processor (max)	19.2 GB/s	Processor brand name	Intel Xeon
Processor ARK ID	37100	Supported memory types	DDR3-SDRAM
Memory		Last change	63903513
Maximum internal memory supported by processor	144 GB	Product family	Intel Xeon Processor 5000 Sequence
Memory types supported by processor	DDR3-SDRAM	Bus speed	4.8 GT/s
Memory channels *	Triple-channel	Logistics data	
ECC	✓	Harmonized System (HS) code	8542310001
Features		Packaging data	
Execute Disable Bit	✓	Package width	44 mm
Idle States	✓		
Market segment	Server		
Embedded options available	✗		

Features		Packaging data	
Physical Address Extension (PAE)	40 bit	Package depth	140 mm
Export Control Classification Number (ECCN)	3A991.A.1	Package height	117 mm
Commodity Classification Automated Tracking System (CCATS)	NA	Package weight	102 g
Images Type Map		Package type	Retail box
		Other features	
		Maximum internal memory	144 GB
		Maximum internal memory	147456 MB



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