

Intel Xeon E5507 processor 2.26 GHz 4 MB Smart Cache

Brand : Intel

Product family: Xeon

Product code:
AT80602000795AA

















Product name : E5507



Intel® Xeon® Processor E5507

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

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 type: Retail box. Intel® Virtualization Technology (Intel® VT): VT-d, VT-x, Maximum internal memory: 144 GB, Maximum internal memory: 147456 MB

Processor		Features	
Processor manufacturer *	Intel	Images Type Map	
Processor model *	E5507	Processor special features	
Processor base frequency *	2.26 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	
Processor family *	Intel® Xeon® 5000 Sequence	Intel® Turbo Boost Technology	
Processor cores *	4	Intel® Smart Cache	
Processor socket *	LGA 1366 (Socket B)	Enhanced Intel SpeedStep Technology	
Component for	Server/workstation	Intel Trusted Execution Technology	
Processor lithography *	45 nm	Intel Enhanced Halt State	
Processor series	Intel Xeon 5500 Series	Intel VT-x with Extended Page Tables (EPT)	
Processor threads	4	Intel Demand Based Switching	
System bus rate	4.8 GT/s	Intel 64	
Processor operating modes *	64-bit	Intel Virtualization Technology (VT-x)	
Processor cache	4 MB	Intel Virtualization Technology for Directed I/O (VT-d)	
Processor cache type	Smart Cache	Operational conditions	
Thermal Design Power (TDP)	80 W	Maximum operating temperature	76 °C
Box *		Tcase	76 °C
Cooler included *		Technical details	
VID Voltage Range	0.75 - 1.35 V	Born on date	Q1'10
Stepping	D0	Bus bandwidth	4.8
Bus type	QPI	Bus type units	GT/s
Number of QPI links	2	Launch date	Q1'10
Memory bandwidth supported by processor (max)	19.2 GB/s	Processor cache	4096 KB
Processor codename	Nehalem EP	Processor core voltage	0.75 -1.35 V
Processor code	SLBKC	Product name	Intel Xeon E5507 (4M Cache, 2.26 GHz, 4.80 GT/s Intel QPI)
Processor ARK ID	37100	Product type	Processor
Memory		Status	Discontinued
Maximum internal memory supported by processor	144 GB	Maximum memory	144 GB
Memory types supported by processor	DDR3-SDRAM	Processor brand name	Intel Xeon
Memory clock speeds supported by processor	800 MHz	Supported memory types	DDR3-SDRAM
Memory channels *	Triple-channel	Last change	63903513
ECC		Graphics	
Graphics		On-board graphics card *	

Features		Technical details	
Execute Disable Bit	✓	Product family	Intel Xeon Processor 5000 Sequence
Idle States	✓	Bus speed	4.8 GT/s
Market segment	Server	Logistics data	
Physical Address Extension (PAE)	✓	Harmonized System (HS) code	8542310001
Embedded options available	✗	Packaging data	
Physical Address Extension (PAE)	40 bit	Package type	Retail box
Export Control Classification Number (ECCN)	3A991.A.1	Other features	
Commodity Classification Automated Tracking System (CCATS)	NA	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
		Maximum internal memory	144 GB
		Maximum internal memory	147456 MB
		Cache memory	4 MB

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