

## Intel Xeon X5550 processor 2.66 GHz 8 MB Smart Cache Box

**Brand :** Intel

**Product family:** Xeon

**Product code:** BX80602X5550



**Product name :** X5550

Intel® Xeon® Processor X5550

(8M Cache, 2.66 GHz, 6.40 GT/s Intel® QPI)

Intel Xeon X5550. 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, Number of Processing Die Transistors: 731 M, Processing Die size: 263 mm<sup>2</sup>. Package width: 44 mm, Package depth: 140 mm, Package height: 117 mm. Processor package size: 42.5mm x 45mm



Processor		Features	
Processor manufacturer *	Intel	Images Type Map	 
Processor model *	X5550	<b>Processor special features</b>	
Processor base frequency *	2.66 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor family *	Intel® Xeon® 5000 Sequence	Intel® Turbo Boost Technology	1.0
Processor cores *	4	Enhanced Intel SpeedStep Technology	✓
Processor socket *	LGA 1366 (Socket B)	Intel Trusted Execution Technology	✗
Component for	Server/workstation	Intel Enhanced Halt State	✓
Processor lithography *	45 nm	Intel VT-x with Extended Page Tables (EPT)	✓
Processor series	Intel Xeon 5500 Series	Intel Demand Based Switching	✓
Processor threads	8	Intel 64	✓
System bus rate	6.4 GT/s	Intel Virtualization Technology (VT-x)	✓
Processor operating modes *	64-bit	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor boost frequency	3.06 GHz	Conflict-Free processor	✗
Processor cache	8 MB	<b>Operational conditions</b>	
Processor cache type	Smart Cache	Tcase	75 °C
Thermal Design Power (TDP)	95 W	<b>Technical details</b>	
Box *	✓	Bus bandwidth	6.4
Cooler included *	✓	Bus type units	GT/s
VID Voltage Range	0.75 - 1.35 V	Launch date	Q1'09
Bus type	QPI	Processor cache	8192 KB
Number of QPI links	2	Product type	Processor
Memory bandwidth supported by processor (max)	32 GB/s	Status	Discontinued
Processor system type	DP	Maximum memory	144 GB
Processor ARK ID	37106	Processor brand name	Intel Xeon
<b>Memory</b>		Supported memory types	DDR3-SDRAM
Maximum internal memory supported by processor	144 GB	Last change	63903513
Memory types supported by processor	DDR3-SDRAM	Product family	Intel Xeon Processor 5000 Sequence
Memory channels *	Triple-channel	Bus speed	6.4 GT/s
ECC	✓	<b>Logistics data</b>	
<b>Features</b>		Harmonized System (HS) code	8542310001
Execute Disable Bit	✓	<b>Packaging data</b>	
Idle States	✓	Package width	44 mm
Market segment	Server	Package depth	140 mm
Number of Processing Die Transistors	731 M	Package height	117 mm
Processing Die size	263 mm <sup>2</sup>	Package weight	102 g
CPU configuration (max)	2	Package type	Retail box
Embedded options available	✗		
Physical Address Extension (PAE)	40 bit		
Export Control Classification Number (ECCN)	3A991.A.1		

Features		Weight & dimensions	
Commodity Classification		Processor package size	42.5mm x 45mm
Automated Tracking System (CCATS)	NA	Other features	
		Maximum internal memory	144 GB
		Maximum internal memory	147456 MB



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