

Intel Core i7-950 processor 3.06 GHz 8 MB Smart Cache Box

Brand : Intel

Product family: Core

Product code: BX80601950

Product name : i7-950

Intel® Core™ i7-950 Processor

(8M Cache, 3.06 GHz, 4.80 GT/s Intel® QPI)

Intel Core i7-950. Processor family: Intel® Core™ i7, Processor socket: LGA 1366 (Socket B), Processor lithography: 45 nm. Memory channels: Triple-channel, Maximum internal memory supported by processor: 24 GB, Memory types supported by processor: DDR3-SDRAM. Market segment: Desktop, Number of Processing Die Transistors: 731 M, Processing Die size: 263 mm². Package type: Retail box. Processor package size: 42.5mm x 45mm



Processor		Features	
Processor manufacturer *	Intel	Physical Address Extension (PAE)	36 bit
Processor generation	Intel® Core™ i7	Export Control Classification Number (ECCN)	3A991.A.1
Processor model *	i7-950	Commodity Classification Automated Tracking System (CCATS)	NA
Processor base frequency *	3.06 GHz	Processor special features	
Processor family *	Intel® Core™ i7	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cores *	4	Intel® Turbo Boost Technology	1.0
Processor socket *	LGA 1366 (Socket B)	Intel® AES New Instructions (Intel® AES-NI)	✗
Processor lithography *	45 nm	Enhanced Intel SpeedStep Technology	✓
Processor series	Intel Core i7-900 Desktop Series	Intel Trusted Execution Technology	✗
Processor threads	8	Intel Enhanced Halt State	✓
System bus rate	4.8 GT/s	Intel VT-x with Extended Page Tables (EPT)	✓
Processor operating modes *	64-bit	Intel Demand Based Switching	✗
Processor boost frequency	3.33 GHz	Intel 64	✓
Processor cache	8 MB	Intel Virtualization Technology (VT-x)	✓
Processor cache type	Smart Cache	Conflict-Free processor	✗
Thermal Design Power (TDP)	130 W	Operational conditions	
Box *	✓	Maximum operating temperature	67.9 °C
Cooler included *	✓	Tcase	67.9 °C
VID Voltage Range	0.8 - 1.375 V	Technical details	
Generation	9th Generation	Bus bandwidth	4.8
Bus type	QPI	Bus type units	GT/s
CPU multiplier (bus/core ratio)	23	Launch date	Q2'09
Number of QPI links	1	Processor cache	8192 KB
Memory bandwidth supported by processor (max)	25.6 GB/s	Product type	Processor
Processor codename	Bloomfield	Status	Discontinued
Processor ARK ID	37150	Maximum memory	24 GB
Memory		Processor brand name	Intel Core i7
Maximum internal memory supported by processor	24 GB	Supported memory types	DDR3-SDRAM
Memory types supported by processor	DDR3-SDRAM	Last change	63903513
Memory channels *	Triple-channel	Product family	Previous Generation Intel Core i7 Processor
ECC	✗	Bus speed	4.8 GT/s
Graphics			
On-board graphics card *	✗		
Features			
Execute Disable Bit	✓		
Idle States	✓		

Features		Logistics data	
Thermal Monitoring Technologies	✘	Harmonized System (HS) code	8542310001
Market segment	Desktop	Packaging data	
Number of Processing Die Transistors	731 M	Package type	Retail box
Processing Die size	263 mm ²	Weight & dimensions	
Supported instruction sets	SSE4.2	Processor package size	42.5mm x 45mm
CPU configuration (max)	1	Other features	
Embedded options available	✘	Maximum internal memory	24 GB
		Maximum internal memory	24576 MB



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