

Intel Core i7-975 processor 3.33 GHz 8 MB Smart Cache Box

Brand : Intel

Product family: Core

Product code: BX80601975

Product name : i7-975

Intel® Core™ i7-975 Processor Extreme Edition
(8M Cache, 3.33 GHz, 6.40 GT/s Intel® QPI)

[Intel Core i7-975 processor 3.33 GHz 8 MB Smart Cache Box:](#)

Conquer the world of extreme gaming with the fastest performing processor on the planet: the Intel® Core™ i7 processor Extreme Edition. With faster, intelligent multi-core technology that accelerates performance to match your workload, it delivers an incredible breakthrough in gaming performance.

But performance doesn't stop at gaming. You'll multitask 25 percent faster and unleash incredible digital media creation with up to 79 percent faster video encoding and up to 46 percent faster image rendering, plus incredible performance for photo retouching and editing.¹

In fact, you'll experience maximum performance for whatever you do, thanks to the combination of Intel® Turbo Boost technology and Intel® Hyper-Threading technology (Intel® HT technology), which activates full processing power exactly where and when you need it most.



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 base frequency *	3.33 GHz	Commodity Classification Automated Tracking System (CCATS)	NA
Processor family *	Intel® Core™ i7	Processor special features	
Processor cores *	4	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor socket *	LGA 1366 (Socket B)	Intel® Turbo Boost Technology	1.0
Processor lithography *	45 nm	Intel® AES New Instructions (Intel® AES-NI)	✗
Processor series	Intel Core i7-900 Desktop Extreme Edition Series	Enhanced Intel SpeedStep Technology	✓
Processor threads	8	Intel Trusted Execution Technology	✗
System bus rate	6.4 GT/s	Intel Enhanced Halt State	✓
Processor operating modes *	64-bit	Intel VT-x with Extended Page Tables (EPT)	✓
Processor boost frequency	3.6 GHz	Intel Demand Based Switching	✗
Processor cache	8 MB	Intel 64	✓
Processor cache type	Smart Cache	Intel Virtualization Technology (VT-x)	✓
Thermal Design Power (TDP)	130 W	Conflict-Free processor	✗
Box *	✓	Operational conditions	
Cooler included *	✓	Maximum operating temperature	67.9 °C
VID Voltage Range	0.8 - 1.375 V	Tcase	67.9 °C
Generation	9th Generation	Technical details	
Stepping	D0	Bus bandwidth	6.4
Bus type	QPI	Bus type units	GT/s
CPU multiplier (bus/core ratio)	25	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	37153	Maximum memory	24 GB
Memory		Processor brand name	Intel Core i7 Extreme Edition Intel Core i7 Processor Extreme Edition
Maximum internal memory supported by processor	24 GB	Supported memory types	DDR3-SDRAM
Memory types supported by processor	DDR3-SDRAM		
Memory channels *	Triple-channel		
ECC	✗		
Graphics			
On-board graphics card *	✗		

Features		Technical details	
Execute Disable Bit	✓	Last change	63903513
Idle States	✓	Product family	Previous Generation Intel Core i7 Extreme Processor
Thermal Monitoring Technologies	✗	Bus speed	6.4 GT/s
Market segment	Desktop	Logistics data	
Number of Processing Die Transistors	731 M	Harmonized System (HS) code	8542310001
Processing Die size	263 mm ²	Packaging data	
Supported instruction sets	SSE4.2	Package type	Retail box
CPU configuration (max)	1	Weight & dimensions	
Embedded options available	✗	Processor package size	42.5mm x 45mm
		Other features	
		Maximum internal memory	24 GB
		Maximum internal memory	24576 MB



5032037009478



0735858208475



735858208475

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.