



Intel® Core™ i5-750 Processor

8M Cache, 2.66 GHz

[Specifications](#)

[Compatible Products](#)

[Product Images](#)

[Ordering and Compliance](#)

Retired and discontinued

Boxed Intel® Core™ i5-750 Processor (8M Cache, 2.66 GHz) FC-LGA8

Spec Code	SLBLC
Ordering Code	BX8060515750
Step	B1
RCP	\$213.00

Intel® Core™ i5-750 Processor (8M Cache, 2.66 GHz) FC-LGA8, Tray

Spec Code	SLBLC
Ordering Code	BV80605001911AP
Step	B1

Trade compliance information

ECCN	3A991.A.1
CCATS	NA
US HTS	8542310001

PCN/MDDS Information

SLBLC

903603	PCN MDDS
903877	PCN MDDS

Downloads and Software

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Refer to Datasheet for formal definitions of product properties and features.

"Announced" SKUs are not yet available. Please refer to the Launch Date for market availability.

Some products can support AES New Instructions with a Processor Configuration update, in particular, i7-2630QM/i7-2635QM, i7-2670QM/i7-2675QM, i5-2430M/i5-2435M, i5-2410M/i5-2415M. Please contact OEM for the BIOS that includes the latest Processor configuration update.

‡ This feature may not be available on all computing systems. Please check with the system vendor to determine if your system delivers this feature, or reference the system specifications (motherboard, processor, chipset, power supply, HDD, graphics controller, memory, BIOS, drivers, virtual machine monitor-VMM, platform software, and/or operating system) for feature compatibility. Functionality, performance, and other benefits of this feature may vary depending on system configuration.

See <http://www.intel.com/content/www/us/en/architecture-and-technology/hyper-threading/hyper-threading-technology.html?wapkw=hyper+threading> for more information including details on which processors support Intel® HT Technology.

Max Turbo Frequency refers to the maximum single-core processor frequency that can be achieved with Intel® Turbo Boost Technology. See www.intel.com/technology/turboboost/ for more information.

The Recommended Customer Price ("RCP") is pricing guidance for Intel products. Prices are for direct Intel customers, typically represent 1,000-unit purchase quantities, and are subject to change without notice. Taxes and shipping, etc. not included. Prices may vary for other package types and shipment quantities, and special promotional arrangements may apply. If sold in bulk, price represents individual unit. Listing of these RCP does not constitute a formal pricing offer from Intel. Please work with your appropriate Intel representative to obtain a formal price quotation.

System and Maximum TDP is based on worst case scenarios. Actual TDP may be lower if not all I/Os for chipsets are used.

Low Halogen: Applies only to brominated and chlorinated flame retardants (BFRs/CFRs) and PVC in the final product. Intel components as well as purchased components on the finished assembly meet JS-709 requirements, and the PCB / substrate meet IEC 61249-2-21 requirements. The replacement of halogenated flame retardants and/or PVC may not be better for the environment.

For benchmarking data see <http://www.intel.com/performance>.

Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families. See <http://www.intel.com/content/www/us/en/processors/processor-numbers.html> for details.

Processors that support 64-bit computing on Intel® architecture require an Intel 64 architecture-enabled BIOS.

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Specifications

- Essentials
- Performance
- Supplemental Information
- Memory Specifications
- Expansion Options
- Package Specifications
- Advanced Technologies
- Security & Reliability

Ordering and Compliance

Product Images

Compatible Products

Downloads and Software

Export specifications

Essentials

Product Collection	Legacy Intel® Core™ Processors
Code Name	Products formerly Lynnfield
Vertical Segment	Desktop
Processor Number	i5-750
Status	Discontinued
Launch Date [?]	Q3'09
Lithography [?]	45 nm
Recommended Customer Price [?]	\$213.00
Use Conditions [?]	Server/Enterprise

Performance

# of Cores [?]	4
# of Threads [?]	4
Processor Base Frequency [?]	2.66 GHz
Max Turbo Frequency [?]	3.20 GHz
Cache [?]	8 MB SmartCache
Bus Speed [?]	2.5 GT/s DMI
TDP [?]	95 W
VID Voltage Range [?]	0.6500V-1.4000V

Supplemental Information

Embedded Options Available [?]	Yes
Datasheet	View now

Memory Specifications

Max Memory Size (dependent on memory type) [?]	16 GB
Memory Types [?]	DDR3 1066/1333
Max # of Memory Channels [?]	2
Max Memory Bandwidth [?]	21 GB/s
Physical Address Extensions [?]	36-bit

Expansion Options

PCI Express Revision [?]	2.0
PCI Express Configurations ¹ [?]	1x16, 2x8
Max # of PCI Express Lanes [?]	16

Package Specifications

Sockets Supported [?]	LGA1156
Max CPU Configuration	1
TCASE [?]	72.7°C
Package Size	37.5mm x 37.5mm
Processing Die Size	296 mm ²
# of Processing Die Transistors	774 million
Low Halogen Options Available	See MDDS

Advanced Technologies

Intel® Turbo Boost Technology ¹ [?]	1.0
Intel® vPro™ Technology ¹ [?]	No
Intel® Hyper-Threading Technology ¹ [?]	No
Intel® Virtualization Technology (VT-x) ¹ [?]	Yes
Intel® VT-x with Extended Page Tables (EPT) ¹ [?]	Yes
Intel® 64 ¹ [?]	Yes
Instruction Set [?]	64-bit
Instruction Set Extensions [?]	Intel® SSE4.2
Idle States [?]	Yes
Enhanced Intel SpeedStep® Technology [?]	Yes
Intel® Demand Based Switching [?]	No
Thermal Monitoring Technologies [?]	No

Security & Reliability

Intel® AES New Instructions [?]	No
Intel® Trusted Execution Technology ¹ [?]	No
Execute Disable Bit ¹ [?]	Yes

More support options for Intel® Core™ i5-750 Processor (8M Cache, 2.66 GHz)

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