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Intel® Core™ i7-2600 Processor (8M Cache, 3.40 GHz)

SPECIFICATIONS

All

Essentials

Memory Specifications

Graphics Specifications

Expansion Options

Package Specifications

Advanced Technologies

COMPATIBLE PRODUCTS

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SPECIFICATIONS

Essentials

Status	Launched
Launch Date	Q1'11
Processor Number	i7-2600
# of Cores	4
# of Threads	8
Clock Speed	3.4 GHz
Max Turbo Frequency	3.8 GHz
Intel® Smart Cache	8 MB
Bus/Core Ratio	34
Instruction Set	64-bit
Instruction Set Extensions	SSE4.1/4.2, AVX
Embedded Options Available	Yes
Lithography	32 nm
Max TDP	95 W
Tray 1ku Budgetary Price	\$294.00

Memory Specifications

Max Memory Size (dependent on memory type)	32 GB
Memory Types	DDR3-1066/1333
# of Memory Channels	2
Max Memory Bandwidth	21 GB/s
ECC Memory Supported	No

Graphics Specifications

Integrated Graphics	Yes
Intel® HD Graphics	Yes
Intel® HD Graphics with Dynamic Frequency	Yes
Graphics Base Frequency	850 MHz
Graphics Max Dynamic Frequency	1.35 GHz
Intel® Quick Sync Video	Yes
Intel® InTRU™ 3D Technology,	Yes
Intel® Wireless Display	No
Intel® Flexible Display Interface (Intel® FDI)	Yes
Intel® Clear Video HD Technology	Yes
Dual Display Capable	Yes

Expansion Options

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PCI Express Revision	2.0
*Trademarks	
# of PCI Express Ports	1
Package Specifications	
Max CPU Configuration	1
T _{CASE}	72.6°C
Package Size	37.5mm x 37.5mm
Sockets Supported	LGA1155
Halogen Free Options Available	Yes
Advanced Technologies	
Intel® Turbo Boost Technology	2.0
Intel® Hyper-Threading Technology	 Yes
Intel® Virtualization Technology (VT-x)	 Yes
Intel® Virtualization Technology for Directed I/O (VT-d)	 Yes
Intel® Trusted Execution Technology	 Yes
AES New Instructions	 Yes
Intel® 64	 Yes
Idle States	Yes
Enhanced Intel SpeedStep® Technology	 Yes
Thermal Monitoring Technologies	Yes
Intel® Fast Memory Access	Yes
Intel® Flex Memory Access	Yes
Execute Disable Bit	Yes

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Hyper-Threading Technology (HT Technology) requires a computer system with an Intel® processor supporting HT Technology and an HT Technology enabled chipset, BIOS and operating system. Performance will vary depending on the specific hardware and software you use. See www.intel.com/products/ht/hyperthreading_more.htm for more information including details on which processors support HT Technology.

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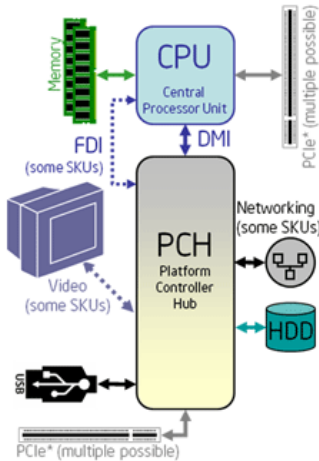
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Ordering and Spec Information

Boxed Intel® Core™ i7-2600 Processor (8M Cache, 3.40 GHz) FC-LGA10, for China

Socket	Step	Step TDP	Ordering Code	Spec Code	Halogen Free	VT-x
LGA1155	D2	95 Watts	BXC80623I72600	SR00B	Yes	Yes

Boxed Intel® Core™ i7-2600 Processor (8M Cache, 3.40 GHz) FC-LGA10

Socket	Step	Step TDP	Ordering Code	Spec Code	Halogen Free	VT-x
LGA1155	D2	95 Watts	BX80623I72600	SR00B	Yes	Yes

Intel® Core™ i7-2600 Processor (8M Cache, 3.40 GHz) FC-LGA10, Tray

Socket	Step	Step TDP	Ordering Code	Spec Code	Halogen Free	VT-x
LGA1155	D2	95 Watts	CM8062300834302	SR00B	Yes	Yes

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