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Intel® Core™ i3-2120 Processor (3M Cache, 3.30 GHz)

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SPECIFICATIONS

All

Essentials

Memory Specifications

Graphics Specifications

Expansion Options

Package Specifications

Advanced Technologies


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SPECIFICATIONS


Essentials

Status	Launched
Launch Date	Q1'11
Processor Number	i3-2120
# of Cores	2
# of Threads	4
Clock Speed	3.3 GHz
Intel® Smart Cache	3 MB
Bus/Core Ratio	33
DMI	5 GT/s
Instruction Set	64-bit
Instruction Set Extensions	SSE4.1/4.2, AVX
Embedded Options Available	 Yes
Lithography	32 nm
Max TDP	65 W
Recommended Channel Price	\$138.00

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

Graphics Specifications

Processor Graphics	 Intel® HD Graphics 2000
Graphics Base Frequency	850 MHz
Graphics Max Dynamic Frequency	1.1 GHz
Intel® Quick Sync Video	Yes
Intel® InTru™ 3D Technology,	Yes
Intel® Insider™	Yes
Intel® Wireless Display	No
Intel® Flexible Display Interface (Intel® FDI)	Yes
Intel® Clear Video HD Technology	Yes
Dual Display Capable	Yes

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PCN/MDDS INFORMATION

Expansion Options	
PCI Express Revision	2.0
Package Specifications	
Max CPU Configuration	1
TCASE	69.1°C
Package Size	37.5mm x 37.5mm
Sockets Supported	FCLGA1155
Halogen Free Options Available	Yes

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

Enabling Execute Disable Bit functionality requires a PC with a processor with Execute Disable Bit capability and a supporting operating system. Check with your PC manufacturer on whether your system delivers Execute Disable Bit functionality.

64-bit computing on Intel® architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers and applications enabled for Intel® 64 architecture. Processors will not operate (including 32-bit operation) without an Intel 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. Consult with your system vendor for more information.

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.

Intel® Virtualization Technology requires a computer system with a processor, chipset, BIOS, virtual machine monitor (VMM) and for some uses, certain platform software, enabled for it. Functionality, performance or other benefit will vary depending on hardware and software configurations. Intel Virtualization Technology-enabled VMM applications are currently in development.

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Advanced Technologies

Intel® Turbo Boost Technology	No
Intel® vPro Technology	No
Intel® Hyper-Threading Technology	 Yes
Intel® Virtualization Technology (VT-x)	 Yes
Intel® Virtualization Technology for Directed I/O (VT-d)	 No
Intel® Trusted Execution Technology	 No
AES New Instructions	 No
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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Intel® Core™ i3-2120 Processor (3M Cache, 3.30 GHz)

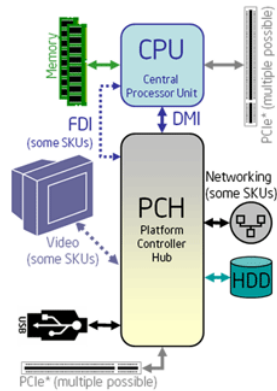
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Ordering and Spec Information

Boxed Intel® Core™ i3-2120 Processor (3M Cache, 3.30 GHz) FC-LGA10D, for China

Socket	Step	Step TDP	Ordering Code	Spec Code	Halogen Free	VT-x
FCLGA1155		65 Watts	BXC80623I32120	SR05Y	Yes	Yes

Boxed Intel® Core™ i3-2120 Processor (3M Cache, 3.30 GHz) FC-LGA10D

Socket	Step	Step TDP	Ordering Code	Spec Code	Halogen Free	VT-x
FCLGA1155		65 Watts	BX80623I32120	SR05Y	Yes	Yes

Intel® Core™ i3-2120 Processor (3M Cache, 3.30 GHz) FC-LGA10D, Tray

Socket	Step	Step TDP	Ordering Code	Spec Code	Halogen Free	VT-x
FCLGA1155		65 Watts	CM8062301044204	SR05Y	Yes	Yes

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