



Intel® Core™ i3-4330TE Processor (4M Cache, 2.40 GHz)

Specifications

Essentials

Status	Launched
Launch Date	Q3'13
Processor Number	i3-4330TE
# of Cores	2
# of Threads	4
Clock Speed	2.4 GHz
Intel® Smart Cache	4 MB
DMI2	5 GT/s
Instruction Set	64-bit
Instruction Set Extensions	SSE4.1/4.2, AVX
Embedded Options Available	<input type="text" value="Yes"/>
Lithography	22 nm
Scalability	1S Only
Max TDP	35 W
Thermal Solution Specification	PCG 2013A
Recommended Customer Price	TRAY: \$122.00
Conflict Free	<input type="text" value="Yes"/>
Datasheet	Link
Product Brief	Link
Additional Information URL	Link

Memory Specifications

Max Memory Size (dependent on memory type)	32 GB
Memory Types	DDR3-1333/1600
# of Memory Channels	2
Max Memory Bandwidth	25.6 GB/s
ECC Memory Supported †	<input type="text" value="Yes"/>

Graphics Specifications

Processor Graphics †	Intel® HD Graphics 4600
Graphics Base Frequency	350 MHz
Graphics Max Dynamic Frequency	1 GHz
Graphics Video Max Memory	1 GB

Intel® Quick Sync Video	 <input type="text" value="Yes"/>
Intel® InTru™ 3D Technology	<input type="text" value="Yes"/>
Intel® Clear Video HD Technology	<input type="text" value="Yes"/>
# of Displays Supported †	3






Expansion Options

PCI Express Revision	3.0
PCI Express Configurations †	Up to 1x16, 2x8, 1x8/2x4
Max # of PCI Express Lanes	16

Package Specifications

Max CPU Configuration	1
T_{CASE}	72°C
Package Size	37.5mm x 37.5mm
Graphics and IMC Lithography	22nm
Sockets Supported	FCLGA1150
Low Halogen Options Available	See MDDS


Advanced Technologies

Intel® Turbo Boost Technology †	No
Intel® vPro Technology †	 No
Intel® Hyper-Threading Technology †	 <input type="text" value="Yes"/>
Intel® Virtualization Technology (VT-x) †	<input type="text" value="Yes"/>
Intel® Virtualization Technology for Directed I/O (VT-d) †	 No
Intel® VT-x with Extended Page Tables (EPT) †	 <input type="text" value="Yes"/>
Intel® TSX-NI	No
Intel® 64 †	 <input type="text" value="Yes"/>
Idle States	<input type="text" value="Yes"/>
Enhanced Intel SpeedStep® Technology	 <input type="text" value="Yes"/>
Thermal Monitoring Technologies	<input type="text" value="Yes"/>

Intel® Data Protection Technology

AES New Instructions	 No
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Intel® Platform Protection Technology

Trusted Execution Technology †	 No
Execute Disable Bit †	<input type="text" value="Yes"/>

Compatible Products

Chipsets

Compare Select All	Product Name	Status	Embedded Options Available	Max TDP	Recommended Customer Price
	Intel® H81 Chipset (Intel® DH82H81 PCH)	Launched	<input type="checkbox"/> Yes	4.1 W	T&R : \$26.00
	Intel® H87 Chipset (Intel® DH82H87 PCH)	Launched	No	4.1 W	T&R : \$32.00
	Intel® Q87 Chipset (Intel® DH82Q87 PCH)	Launched	<input type="checkbox"/> Yes	4.1 W	T&R : \$47.00
	Intel® Q85 Chipset (Intel® DH82Q85 PCH)	Launched	No	4.1 W	N/A
	Intel® Z87 Chipset (Intel® DH82Z87 PCH)	Launched	No	4.1 W	N/A
	Intel® B85 Chipset (Intel® DH82B85 PCH)	Launched	No	4.1 W	T&R : \$28.00

Ordering and Spec Information

Trade Compliance Information

ECCN	CCATS	US HTS
5A992A	NA	8542310000-HYBRD

Ordering and Spec Information

Spec Code	Ordering Code	Step	RCP
Intel® Core™ i3-4330TE Processor (4M Cache, 2.40 GHz) FC-LGA12C, Tray			
SR180	CM8064601484402	CO	\$122.00

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"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.

"Conflict free" and "conflict-free" means "DRC conflict free", which is defined by the U.S. Securities and Exchange Commission rules to mean products that do not contain conflict minerals (tin, tantalum, tungsten and/or gold) that directly or indirectly finance or benefit armed groups in the Democratic Republic of the Congo (DRC) or adjoining countries. Intel also uses the term "conflict-free" in a broader sense to refer to suppliers, supply chains, smelters and refiners whose sources of conflict minerals do not finance conflict in the DRC or adjoining countries. Intel processors manufactured before January 1, 2013 are not confirmed conflict free. The conflict free designation refers only to product manufactured after that date. For Intel Boxed Processors, the conflict free designation refers to the processor only, not to any additional included accessories, such as heatsinks/coolers.

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.

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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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