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Intel® Core™ i3-4330TE Processor

4M Cache, 2.40 GHz

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Essentials

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Product Collection	4th Generation Intel® Core™ i3 Processors
Code Name	Products formerly Haswell
Vertical Segment	Embedded
Processor Number	i3-4330TE
Status	Launched
Launch Date ?	Q3'13
Lithography ?	22 nm
Recommended Customer Price ?	
Use Conditions ?	Embedded Broad Market Commercial Temp, PC/Client/Tablet

Performance

# of Cores ?	2
# of Threads ?	4
Processor Base Frequency ?	2.40 GHz
Cache ?	4 MB SmartCache
Bus Speed ?	5 GT/s DMI2
TDP ?	35 W

Supplemental Information

Embedded Options Available ?	Yes
Datasheet	View now
Product Brief	View now
Additional Information URL	View now

Memory Specifications

Max Memory Size (dependent on memory type) ?	32 GB
Memory Types ?	DDR3 1333/1600
Max # of Memory Channels ?	2
Max Memory Bandwidth ?	25.6 GB/s
ECC Memory Supported ‡ ?	Yes

Processor Graphics

Processor Graphics ‡	Intel® HD Graphics 4600
Graphics Base Frequency	350 MHz
Graphics Max Dynamic Frequency	1.00 GHz
Graphics Video Max Memory	1.7 GB
Intel® Quick Sync Video	Yes
Intel® InTru™ 3D Technology	Yes
Intel® Clear Video HD Technology	Yes
# of Displays Supported ‡	3

Expansion Options

Scalability	1S Only
PCI Express Revision	3.0
PCI Express Configurations ‡	Up to 1x16, 2x8, 1x8/2x4
Max # of PCI Express Lanes	16

Package Specifications

Sockets Supported	FCLGA1150
Max CPU Configuration	1
Thermal Solution Specification	PCG 2013A
T_{CASE}	72°C
Package Size	37.5mm x 37.5mm

Advanced Technologies

Intel® Turbo Boost Technology ‡	No
Intel® vPro™ Platform Eligibility ‡	No
Intel® Hyper-Threading Technology ‡	Yes
Intel® Virtualization Technology (VT-x) ‡	Yes
Intel® Virtualization Technology for Directed I/O (VT-d) ‡	No
Intel® VT-x with Extended Page Tables (EPT) ‡	Yes
Intel® TSX-NI	No
Intel® 64 ‡	Yes
Instruction Set	64-bit
Instruction Set Extensions	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX
Idle States	Yes
Enhanced Intel SpeedStep® Technology	Yes
Thermal Monitoring Technologies	Yes

Security & Reliability

Intel® AES New Instructions	No
Intel® Trusted Execution Technology ‡	No
Execute Disable Bit ‡	Yes

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

Product Support

Downloads and Software

Support Community

Warranty and Replacement

Need more help?

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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.

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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.

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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