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# Intel<sup>®</sup> Core<sup>™</sup> i3-4330TE Processor

4M Cache, 2.40 GHz

Specifications	Essentials	• Export specifications
Essentials	Product Collection	4th Generation Intel® Core™ i3 Processors
Performance Supplemental Information	Code Name	Products formerly Haswell
Memory Specifications	Vertical Segment	Embedded
Processor Graphics	Processor Number	i3-4330TE
Expansion Options	Status	Launched
Package Specifications Advanced Technologies	Launch Date 👔	Q3'13
Security & Reliability	Lithography 🕐	22 nm
Ordering and	Recommended Customer Pr	ice 🕐
Ordering and Compliance	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
Cache 🕐	4 MB SmartCache 5 GT/s DMI2

### **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

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### **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 <sup>‡</sup>	3

# **Expansion Options**

Scalability	1S Only
PCI Express Revision 👔	3.0
PCI Express Configurations <sup>‡</sup> (?)	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 <sub>CASE</sub> (?)	72°C
Package Size	37.5mm x 37.5mm

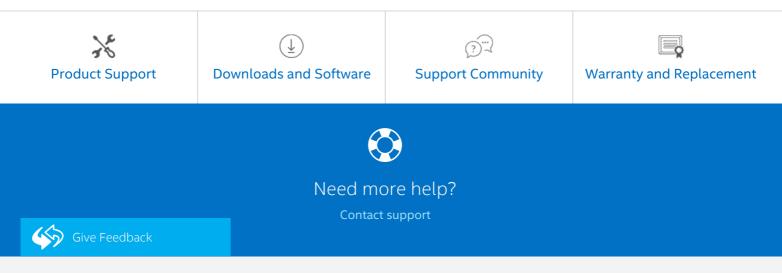
## Advanced Technologies

Intel® Turbo Boost Technology ‡ 👔	No
Intel® vPro™ Platform Eligibility ‡ 👔	No
Intel® Hyper-Threading Technology ‡ 👔	Yes
Intel® Virtualization Technology (VT-x) $^{\ddagger}$ 🕐	Yes
Intel® Virtualization Technology for Directed I/O (VT-d)	No 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<sup>®</sup> Core<sup>™</sup> i3-4330TE Processor (4M Cache, 2.40 GHz)



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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/i5-2410M/i5-2415M. Please contact OEM for the BIOS that includes the latest Processor configuration update.

<sup>‡</sup> 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<sup>®</sup> 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.

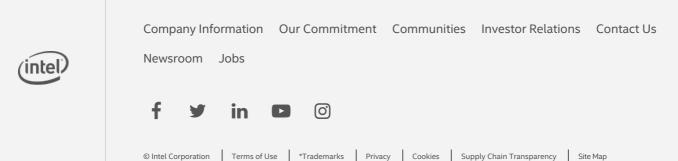
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System and Maximum TDP is based on worst case scenarios. Actual TDP may be lower if not all I/Os for chipsets are used.

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 <a href="http://www.intel.com/content/www/us/en/processors/processor-numbers.html">http://www.intel.com/content/www/us/en/processor/numbers.html</a> for details.

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



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