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

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PCN/MDDS INFORMATION

SR180
929227: MDDS

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 🔍	Yes
Lithography	22 nm
Max TDP	35 W
Thermal Solution Specification	PCG 2013A
Recommended Customer Price	

➖ 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 ‡ 🔍	Yes

➖ Graphics Specifications

Processor Graphics ‡	Intel® HD Graphics 4600
Graphics Max Dynamic Frequency	1 GHz
Intel® Quick Sync Video 🔍	Yes
Intel® InTru™ 3D Technology	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

Newsroom   Chip Shot: New Intel® Xeon® Processor Powers Real-Time Analytics   USA (English) ⌄

➖ 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 ‡	🔍	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
Idle States		Yes
Enhanced Intel SpeedStep® Technology	🔍	Yes
Thermal Monitoring Technologies		Yes

➖ Intel® Data Protection Technology

AES New Instructions	🔍	No

➖ Intel® Platform Protection Technology

Trusted Execution Technology ‡	🔍	No
Execute Disable Bit ‡		Yes

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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.

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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