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Intel® Core™ i3-4350T Processor

4M Cache, 3.10 GHz

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Product Collection	4th Generation Intel® Core™ i3 Processors
Code Name	Products formerly Haswell
Vertical Segment	Desktop
Processor Number	i3-4350T
Status	Launched
Launch Date ?	Q2'14
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 ?	3.10 GHz
Cache ?	4 MB SmartCache
Bus Speed ?	5 GT/s DMI2
TDP ?	35 W

Supplemental Information

Embedded Options Available ?	Yes
Datasheet	View now

Memory Specifications

Max Memory Size (dependent on memory type) ?	32 GB
Memory Types ?	DDR3-1333/1600, DDR3L-1333/1600 @ 1.5V
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 ?	200 MHz

Graphics Max Dynamic Frequency ?	1.15 GHz
Graphics Video Max Memory ?	2 GB
Graphics Output ?	eDP/DP/HDMI/DVI/VGA
Max Resolution (HDMI 1.4)‡ ?	4096x2304@24Hz
Max Resolution (DP)‡ ?	3840x2160@60Hz
Max Resolution (eDP - Integrated Flat Panel)‡ ?	3840x2160@60Hz
Max Resolution (VGA)‡ ?	1920x1200@60Hz
DirectX* Support ?	11.1/12
OpenGL* Support ?	4.3
Intel® Quick Sync Video ?	Yes
Intel® InTru™ 3D Technology ?	Yes
Intel® Clear Video HD Technology ?	Yes
# of Displays Supported ‡	3
Device ID	0x412

Expansion Options

Scalability	1S Only
PCI Express Revision ?	Up to 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$_{CASE}$?	66.4°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® AVX2
Idle States ?	Yes
Enhanced Intel SpeedStep® Technology ?	Yes

Thermal Monitoring Technologies ?	Yes
Intel® Stable Image Platform Program (SIPP) ?	No

Security & Reliability

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

More support options for Intel® Core™ i3-4350T Processor (4M Cache, 3.10 GHz)

Product Support

Downloads and Software

Support Community

Warranty and Replacement

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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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