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Intel® Core™ i5-3570K Processor (6M Cache, up to 3.80 GHz)

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SPECIFICATIONS

Essentials

Status	Launched
Launch Date	Q2'12
Processor Number	i5-3570K
# of Cores	4
# of Threads	4
Clock Speed	3.4 GHz
Max Turbo Frequency	3.8 GHz
Intel® Smart Cache	6 MB
DMI	5 GT/s
Instruction Set	64-bit
Instruction Set Extensions	SSE4.1/4.2, AVX
Embedded Options Available	<input type="checkbox"/> No
Lithography	22 nm
Max TDP	77 W
Thermal Solution Specification	2011D
Recommended Customer Price	BOX : \$235.00 TRAY: \$225.00

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="checkbox"/> No

Graphics Specifications

Processor Graphics ‡	Intel® HD Graphics 4000
Graphics Base Frequency	650 MHz
Graphics Max Dynamic Frequency	1.15 GHz
Intel® Quick Sync Video	Yes
Intel® InTru™ 3D Technology	Yes
Intel® Insider™	Yes
Intel® Wireless Display	<input type="checkbox"/> Yes
Intel® Flexible Display Interface (Intel® FDI)	Yes
Intel® Clear Video HD Technology	Yes

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PCN/MDDS Information

SR0PM
 919978: [PCN](#) | [MDDS](#)
 920515: [PCN](#) | [MDDS](#)
 920865: [PCN](#) | [MDDS](#)



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PCI Express Revision	3.0
PCI Express Configurations ‡	up to 1x16, 2x8, 1x8 & 2x4
Package Specifications	
Max CPU Configuration	1
T _{CASE}	67.4°C
Package Size	37.5mm x 37.5mm
Sockets Supported	FCLGA1155
Low Halogen Options Available	See MDDS
Advanced Technologies	
Intel® Turbo Boost Technology ‡	2.0
Intel® vPro Technology ‡	<input type="checkbox"/> No
Intel® Hyper-Threading Technology ‡	<input type="checkbox"/> No
Intel® Virtualization Technology (VT-x) ‡	<input type="checkbox"/> Yes
Intel® Virtualization Technology for Directed I/O (VT-d) ‡	<input type="checkbox"/> No
Intel® VT-x with Extended Page Tables (EPT) ‡	<input type="checkbox"/> Yes
Intel® Trusted Execution Technology ‡	<input type="checkbox"/> No
AES New Instructions	<input type="checkbox"/> Yes
Intel® TSX-NI	No
Intel® 64 ‡	<input type="checkbox"/> Yes
Intel® Anti-Theft Technology	Yes
Idle States	Yes
Enhanced Intel SpeedStep® Technology	<input type="checkbox"/> Yes
Thermal Monitoring Technologies	Yes
Execute Disable Bit ‡	Yes
Intel® Secure Key	Yes
Intel® Identity Protection Technology ‡	Yes

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"Announced" SKUs are not yet available. Please refer to the Launch Date for market availability.

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.

For benchmarking data see <http://www.intel.com/performance>.

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

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‡ 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.

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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.
Processors that support 64-bit computing on Intel® architecture require an Intel 64 architecture-enabled BIOS.
Check <http://ipt.intel.com/> for systems that support Intel® Identity Protection Technology (Intel® IPT).