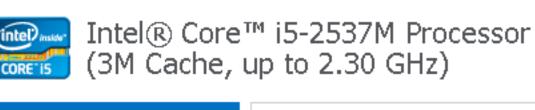
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Specifications

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Steppings

 Essentials Status Launched Q1'11 Launch Date Processor Number i5-2537M Intel® Smart Cache 3 МВ DMI 5 GT/s Instruction Set 64-bit Instruction Set Extensions AVX. Q No Embedded Options Available Lithography 32 nm Recommended Customer Price N/A

2nd Generation Intel® Core™ i5 Processors Intel® Core™ i5-2500 Mobile Processor Series Products formerly Sandy Bridge Quick Links Export Full Specifications > Search Distributors > Software Downloads > Support Overview > Search all of intel.com >

PCN/MDDS Information SR03W 910402: PCN | MDDS

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Link Datasheet Performance # of Cores 2 # of Threads 4 Processor Base Frequency 1.4 GHz Max Turbo Frequency 2.3 GHz

TDP 17 W Memory Specifications Max Memory Size (dependent on memory type) 8 GB Memory Types DDR3 1066/1333 Max # of Memory Channels 21.3 GB/s Max Memory Bandwidth Q No ECC Memory Supported * Graphics Specifications Processor Graphics * Intel® HD Graphics 3000 Graphics Base Frequency 350 MHz 900 MHz Q Yes

Graphics Max Dynamic Frequency Graphics Output eDP/DP/HDMI/SDVO/CRT Intel® Quick Sync Video Intel® InTru™ 3D Technology Q Yes Intel® Wireless Display Intel® Flexible Display Interface (Intel® FDI) Intel® Clear Video HD Technology Macrovision* License Required No # of Displays Supported * 2 Expansion Options 2.0 PCI Express Revision PCI Express Configurations * 1x16, 2x8, 1x8+2x4 Max # of PCI Express Lanes 16

1

100 C

32 nm

31mm x 24 mm (BGA1023)

Package Specifications

Graphics and IMC Lithography

Max CPU Configuration

TJUNCTION

Package Size

Sockets Supported FCBGA1023 Low Halogen Options Available See MDDS Advanced Technologies Intel® Turbo Boost Technology * 2.0 Intel® vPro Technology * Q Yes Intel® Hyper-Threading Technology * Intel® Virtualization Technology (VT-x) * Intel® Virtualization Technology for Directed I/O Q (VT-d) * Q Intel® VT-x with Extended Page Tables (EPT) * Q Intel® 64 * Yes Intel® My WiFi Technology 4G WiMAX Wireless Technology Idle States Yes Enhanced Intel SpeedStep® Technology Q No Intel® Demand Based Switching Thermal Monitoring Technologies Intel® Fast Memory Access Intel® Flex Memory Access Intel® Identity Protection Technology * Intel® Data Protection Technology

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Q Yes

Q

Yes

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. "Conflict free" and "conflict-free" means "DRC conflict free", which is defined by the U.S. Securities and Exchange Commission rules to mean products that do not contain conflict minerals (tin, tantalum,

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

tungsten and/or gold) that directly or indirectly finance or benefit armed groups in the Democratic Republic of the Congo (DRC) or adjoining countries. Intel also uses the term "conflict-free" in a broader sense to refer to suppliers, supply chains, smelters and refiners whose sources of conflict minerals do not finance conflict in the DRC or adjoining countries. Intel processors manufactured before January 1, 2013 are not confirmed conflict free. The conflict free designation refers only to product manufactured after that date. For Intel Boxed Processors, the conflict free designation refers to the processor only, not to any additional included accessories, such as heatsinks/coolers.

See http://www.intel.com/content/www/us/en/architecture-and-technology/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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appropriate Intel representative to obtain a formal price quotation. 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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AES New Instructions

Execute Disable Bit #

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

OEM for the BIOS that includes the latest Processor configuration update.

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

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