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PCN/MDDS Information

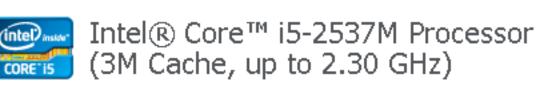
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Specifications: Essentials Performance Memory Specifications Graphics Specifications **Expansion Options** Package Specifications Advanced Technologies Intel® Data Protection Technology Intel® Platform Protection Technology

Compatible Products Product Images Ordering / sSpecs / Steppings

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

of Cores 2

4 # of Threads 1.4 GHz 2.3 GHz 17 W

Processor Base Frequency Max Turbo Frequency TDP 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 Graphics Max Dynamic Frequency 900 MHz Graphics Output eDP/DP/HDMI/SDVO/CRT Q Yes 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

PCI Express Configurations *

PCI Express Revision

Max # of PCI Express Lanes 16 Package Specifications Max CPU Configuration 1 100 C TJUNCTION Package Size 31mm x 24 mm (BGA1023) Graphics and IMC Lithography 32 nm 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 *

2.0

1x16, 2x8, 1x8+2x4

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

 Intel® Platform Protection Technology Q Yes Trusted Execution Technology * Execute Disable Bit # Anti-Theft Technology All information provided is subject to change at any time, without notice. Intel may make changes to manufacturing life cycle, specifications, and product descriptions at any time, without notice. The information herein is provided "as-is" and Intel does not make any representations or warranties whatsoever regarding accuracy of the information, nor on the product features, availability, functionality, or

Q Yes

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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.

AES New Instructions

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.

classification of any item at the time of export.

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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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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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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