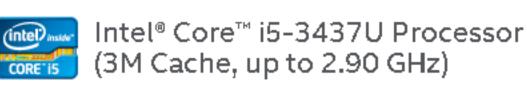


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Specifications Essentials Status Launched Q1'13 Launch Date Processor Number i5-3437U 3 MB SmartCache Cache 5 GT/s DMI. **Bus Speed** Instruction Set 64-bit AVX Instruction Set Extensions Embedded Options Available Q No Lithography 22 nm Recommended Customer Price \$225.00 Yes Conflict Free Link Datasheet

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PCN/MDDS Information

SROXE 923705: PCN | MDDS

| Performance | |
|--|----------------------|
| # of Cores | 2 |
| # of Threads | 4 |
| Processor Base Frequency | 1.9 GHz |
| Max Turbo Frequency | 2.9 GHz |
| TDP | 17 W |
| | |
| Memory Specifications | |
| Max Memory Size (dependent on memory type) | 32 GB |
| Memory Types | DDR3/L/-RS 1333/1600 |
| Max # of Memory Channels | 2 |
| Max Memory Bandwidth | 25.6 GB/s |

Q No ECC Memory Supported # **Graphics Specifications** Processor Graphics # Intel® HD Graphics 4000 Graphics Base Frequency 650 MHz 1.2 GHz Graphics Max Dynamic Frequency eDP/DP/HDMI/SDVO/CRT Graphics Output Q Yes Intel® Quick Sync Video Intel® InTru® 3D Technology Yes Intel® Insider™ Yes Q Yes Intel® Wireless Display Intel® Flexible Display Interface (Intel® FDI) Yes Intel® Clear Video HD Technology Yes # of Displays Supported # 3 Device ID 0x166

2.0 PCI Express Revision PCI Express Configurations # 1x16, 2x8, 1x8 2x4 Max # of PCI Express Lanes Package Specifications Max CPU Configuration 1

Expansion Options

105 C TJUNCTION 31.0 x 24.0mm (BGA1023) Package Size Graphics and IMC Lithography 22 nm Sockets Supported FCBGA1023 See MDDS Low Halogen Options Available Advanced Technologies 2.0 Intel® Turbo Boost Technology ‡

Intel® vPro Technology ‡ Yes Q Intel® Hyper-Threading Technology ‡ Yes Intel® Virtualization Technology (VT-x) # Yes Intel® Virtualization Technology for Directed I/O Yes Q (VT-d) # Intel® VT-x with Extended Page Tables (EPT) # Q Yes Intel® 64 ‡ Yes Intel® My WiFi Technology Yes 4G WiMAX Wireless Technology Yes Idle States Yes Q Enhanced Intel SpeedStep® Technology Yes Q Intel® Demand Based Switching No Thermal Monitoring Technologies Yes Intel® Fast Memory Access Yes Intel® Flex Memory Access Yes Intel® Identity Protection Technology ‡ Yes Intel® Data Protection Technology Q Intel® AES New Instructions Yes

Yes Secure Key Intel® Platform Protection Technology Trusted Execution Technology # Q Yes Execute Disable Bit # Yes Anti-Theft Technology Yes 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

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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.

processors support Intel® HT Technology.

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, BIO5, drivers, virtual machine monitor-VMM, platform software, and for 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, 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

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.

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

The Recommended Customer Price [*RCP") is pricing guidance for Intel products. Prices are for direct Intel customers, typically represent 1,000-unit purchase quantities, and are subject to change without notice. Taxes and shipping, etc. not included. Prices may vary for other package types and shipment quantities, and special promotional arrangements may apply. If sold in bulk, price represents individual unit.

Listing of these RCP does not constitute a formal pricing offer from Intel. Please work with your 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.

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 J5-709. 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 BIO5.

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