



Home
2nd Generation Intel® Core™ i7 Processors
Intel® Core™ i7-2600 Mobile Processor Series
i7-2655LE

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**Intel® Core™ i7-2655LE Processor**  
 (4M Cache, up to 2.90 GHz)

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**SPECIFICATIONS**

**Essentials**

Status	Launched
Launch Date	Q1'11
Processor Number	i7-2655LE
# of Cores	2
# of Threads	4
Clock Speed	2.2 GHz
Max Turbo Frequency	2.9 GHz
Intel® Smart Cache	4 MB
DMI	5 GT/s
Instruction Set	64-bit
Instruction Set Extensions	AVX
Embedded Options Available	 <b>Yes</b>
Lithography	32 nm
Max TDP	25 W
Recommended Customer Price	TRAY: \$346.00

**Memory Specifications**

Max Memory Size (dependent on memory type)	16 GB
Memory Types	DDR3-1066/1333
# of Memory Channels	2
ECC Memory Supported ‡	 <b>Yes</b>

**Graphics Specifications**

Processor Graphics	Intel® HD Graphics 3000
Graphics Base Frequency	650 MHz
Graphics Max Dynamic Frequency	1 GHz
Graphics Output	eDP/DP/HDMI/SDVO/CRT
Intel® Quick Sync Video	<b>Yes</b>
Intel® InTru™ 3D Technology	<b>Yes</b>
Intel® Wireless Display	 <b>Yes</b>
Intel® Flexible Display Interface (Intel® FDI)	<b>Yes</b>
Intel® Clear Video HD Technology	<b>Yes</b>
Macrovision* License Required	No
# of Displays Supported ‡	2

**Expansion Options**

PCI Express Revision	2.0
PCI Express Configurations ‡	1x16, 2x8, 1x8+2x4
Max # of PCI Express Lanes	16



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**PCN/MDDs Information**

**SR078**  
911598: [PCN | MDDs](#)

[http://ark.intel.com/products/54642/Intel-Core-i7-2655LE-Processor-4M-Cache-up-to-2\\_90-GHz](http://ark.intel.com/products/54642/Intel-Core-i7-2655LE-Processor-4M-Cache-up-to-2_90-GHz)

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### Package Specifications

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Package Size	31mm x24mm (FCBGA1023)
Graphics and IMC Lithography	32 nm
Low Halogen Options Available	See MDDs

### Advanced Technologies

Intel® Turbo Boost Technology‡	2.0
Intel® vPro Technology‡	Yes
Intel® Hyper-Threading Technology‡	Yes
Intel® Virtualization Technology (VT-x)‡	Yes
Intel® Virtualization Technology for Directed I/O (VT-d)‡	Yes
Intel® VT-x with Extended Page Tables (EPT)‡	Yes
Intel® Trusted Execution Technology‡	Yes
AES New Instructions	Yes
Intel® 64‡	Yes
Idle States	Yes
Enhanced Intel SpeedStep® Technology	Yes
Intel® Demand Based Switching	No
Thermal Monitoring Technologies	Yes
Intel® Fast Memory Access	Yes
Intel® Flex Memory Access	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.

The Recommended Customer Price ("RCP") is pricing guidance for Intel products. Prices are for direct Intel customers 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. 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.

‡ 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.

Low Halogen: Applies only to brominated and chlorinated flame retardants (BFRs/CFRs) and P/C 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 P/C may not be better for the environment.

Max Turbo Frequency refers to the maximum single-core processor frequency that can be achieved with Intel® Turbo Boost Technology. See <http://www.intel.com/technology/turboboost/> for more information.

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.

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).

