



Intel® Xeon® Processor EC3539 (8M Cache, 2.13 GHz)

[Add to Compare](#)

SPECIFICATIONS

Essentials

- [Memory Specifications](#)
- [Expansion Options](#)
- [Package Specifications](#)
- [Advanced Technologies](#)
- [Intel® Platform Protection Technology](#)

COMPATIBLE PRODUCTS

PRODUCT IMAGES

ORDERING / SPECS / STEPPINGS

SPECIFICATIONS

Essentials

Status	Launched
Launch Date	Q1'10
Processor Number	EC3539
# of Cores	4
# of Threads	4
Clock Speed	2.13 GHz
L3 Cache	8 MB
DMI	2.5 GT/s
Instruction Set	64-bit
Embedded Options Available	Yes
Lithography	45 nm
Max TDP	65 W
VD Voltage Range	1.0 - 1.5V
Recommended Customer Price	TRAY: \$356.00

Memory Specifications

# of Memory Channels	3
ECC Memory Supported ‡	Yes

Expansion Options

PCI Express Revision	2.0
----------------------	-----

Package Specifications

Max CPU Configuration	1
T _{CASE}	74.6°C
Sockets Supported	FCLGA1366
Low Halogen Options Available	See MDDS

Advanced Technologies

Intel® Turbo Boost Technology ‡	No
Intel® Hyper-Threading Technology ‡	No
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
Idle States	Yes
Enhanced Intel SpeedStep® Technology	Yes
Intel® Demand Based Switching	Yes

Intel® Platform Protection Technology

Execute Disable Bit ‡	Yes
-----------------------	---------------------

RELATED PRODUCTS

- [Intel® Xeon® Processor 5000 Sequence](#)
- [Intel® Xeon® Processor C3500 series](#)
- [Products formerly Jasper Forest](#)



- [Visit the Embedded Design Center >](#)

QUICK LINKS

- [Download Datasheet](#)
- [Search Distributors](#)
- [Software Downloads](#)
- [Support Overview](#)
- [Search all of intel.com](#)

PCN/MDDS Information

SLBWJ
907838: PCN | MDDS

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 compatibility of the products listed. Please contact system vendor for more information on specific products or systems.

"Intel classifications" consist of Export Control Classification Numbers (ECCN) and Harmonized Tariff Schedule (HTS) numbers. Any use made of Intel classifications are without recourse to Intel and shall not be construed as a representation or warranty regarding the proper ECCN or HTS. Your company may be the exporter of record, and as such, your company is responsible for determining the correct classification of any item at the time of export.

"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/CFR) 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.

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.

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

[Send us your feedback!](#)

