



# Intel® Xeon® Processor LC5518

8M Cache, 1.73 GHz, 4.80 GT/s Intel® QPI

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## Essentials

Export specifications

Product Collection	Legacy Intel® Xeon® Processors
Code Name	Products formerly Jasper Forest
Vertical Segment	Embedded
Processor Number	LC5518
Status	Launched
Launch Date	Q1'10
Lithography	45 nm
Recommended Customer Price	N/A
Use Conditions	Communications

## Performance

# of Cores	4
# of Threads	8
Processor Base Frequency	1.73 GHz
Max Turbo Frequency	2.13 GHz
Cache	8 MB L3
Bus Speed	4.8 GT/s QPI
# of QPI Links	1
TDP	48 W
VID Voltage Range	1.0 - 1.5V

## Supplemental Information

Embedded Options Available	Yes
Datasheet	<a href="#">View now</a>



## Memory Specifications

Max # of Memory Channels	3
ECC Memory Supported <sup>†</sup>	Yes










## Expansion Options

PCI Express Revision	2.0
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## Package Specifications

Sockets Supported 	FCLGA1366
Max CPU Configuration	2
T <sub>CASE</sub> 	77.5°C - 92.5°C

## Advanced Technologies

Intel® Turbo Boost Technology ‡ 	1.0
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
Instruction Set 	64-bit
Idle States 	Yes
Enhanced Intel SpeedStep® Technology 	Yes
Intel® Demand Based Switching 	Yes

## Security & Reliability

Execute Disable Bit ‡ 	Yes
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More support options for Intel® Xeon® Processor LC5518 (8M Cache, 1.73 GHz, 4.80 GT/s Intel® QPI)



Product Support



Downloads and Software



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Warranty and Replacement



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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.

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, BIOS, drivers, virtual machine software, and/or operating system) for feature compatibility. Functionality, performance, and other benefits of this feature may

vary depending on system configuration.

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.

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/](http://www.intel.com/technology/turboboost/) for more information.

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.

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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