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Memory Specifications

Expansion Options

Package Specifications

Advanced Technologies

Intel® Platform Protection Technology

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Intel® QPI

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PCN/MDDs Information

SLBWF
907832: [PCN](#) | [MDDs](#)

Status	Launched
Launch Date	Q1'10
Processor Number	LC5518
# of Cores	4
# of Threads	8
Clock Speed	1.73 GHz
Max Turbo Frequency	2.133 MHz
L3 Cache	8 MB
Intel® QPI Speed	4.8 GT/s
# of QPI Links	1
Instruction Set	64-bit
Embedded Options Available	Yes
Lithography	45 nm
Max TDP	48 W
VID Voltage Range	1.0 - 1.5V
Recommended Customer Price	TRAY: \$593.00

Memory Specifications

# of Memory Channels	3
ECC Memory Supported [‡]	Yes

Expansion Options

PCI Express Revision	2.0
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Package Specifications

Max CPU Configuration	2
T _{CASE}	77.5°C - 92.5°C
Sockets Supported	FCLGA1366
Low Halogen Options Available	See MDDs

Advanced Technologies

Intel® Turbo Boost 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
Idle States	Yes
Enhanced Intel SpeedStep® Technology	Yes
Intel® Demand Based Switching	Yes

Intel® Platform Protection Technology

Execute Disable Bit [‡]	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.

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[‡] 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 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 processors support Intel® HT Technology.

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