Intel® Xeon® Processor L5410

12M Cache, 2.33 GHz, 1333 MHz FSB

Specifications

Compatible Products

Product Images

Ordering and Compliance

Retired and discontinued

Boxed Intel® Xeon® Processor L5410 (12M Cache, 2.33 GHz, 1333 MHz FSB) LGA771

Spec Code	SLBBS
Ordering Code	BX80574L5410A
Step	E0
RCP	$351.00

Boxed Intel® Xeon® Processor L5410 (12M Cache, 2.33 GHz, 1333 MHz FSB) Passive, LGA771

Spec Code	SLBBS
Ordering Code	BX80574L5410P
Step	E0
RCP	$351.00

Intel® Xeon® Processor L5410 (12M Cache, 2.33 GHz, 1333 MHz FSB) LGA771, Tray

Spec Code	SLAP4
Ordering Code	EU80574JJ053N
Step	C0

Intel® Xeon® Processor L5410 (12M Cache, 2.33 GHz, 1333 MHz FSB) LGA771, Tray

Spec Code	SLBBS
Ordering Code	AT80574JJ053N

Step	E0

Trade compliance information

ECCN	3A991.A.1
CCATS	NA
US HTS	8542310001

Downloads and Software

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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 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.

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/ for more information.

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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 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.

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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Essentials

Export specification

Product Collection	Legacy Intel® Xeon® Processors
Code Name	Products formerly Harpertown
Vertical Segment	Server
Processor Number	L5410
Status	Launched
Launch Date	Q1'08
Lithography	45 nm
Recommended Customer Price	$351.00
Use Conditions	Server/Enterprise

Performance

# of Cores	4
Processor Base Frequency	2.33 GHz
Cache	12 MB L2
Bus Speed	1333 MHz FSB
FSB Parity	Yes
TDP	50 W
VID Voltage Range	0.850V-1.3500V

Supplemental Information

Embedded Options Available	Yes
Datasheet	View now

Package Specifications

Sockets Supported	LGA771
T_{CASE}	57°C
Package Size	37.5mm x 37.5mm
Processing Die Size	214 mm^2
# of Processing Die Transistors	820 million
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® VT-x with Extended Page Tables (EPT) ‡	No
Intel® 64 ‡	Yes
Instruction Set	64-bit
Idle States	Yes
Enhanced Intel SpeedStep® Technology	Yes
Intel® Demand Based Switching	Yes

Security & Reliability

Intel® Trusted Execution Technology ‡	No
Execute Disable Bit ‡	Yes

More support options for Intel® Xeon® Processor L5410 (12M Cache, 2.33 GHz, 1333 MHz FSB)

Product Support | Downloads and Software | Support Community | Warranty and Replacem

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