

Intel® Server Board S5520UR

SPECIFICATIONS

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COMPATIBLE PRODUCTS

ORDERING / SSPECS / STEPPINGS

Specifications

Essentials

Status	Launched
Launch Date	Q1 2009
Expected Discontinuance	1H 2013
Limited 3-year Warranty	Yes
Extended Warranty Available for Purchase (Select Countries)	Yes
# of QPI Links	3
Board Form Factor	SSI TEB-leveraged (12 x 13)
Chassis Form Factor	Rack
Socket	LGA1366
Integrated Systems Available	Yes
Integrated BMC with IPMI	IPMI 2.0
Embedded Options Available	Yes
Supplemental SKU	No
Max TDP	130 W
Recommended Customer Price	N/A

Description

Highly Integrated, rack-optimized server board for enterprise data centers and high-performance computing

Target Market

Cloud/Datacenter

Additional Information URL

Link

Memory Specifications

Max Memory Size (dependent on memory type)	192 GB
Memory Types	DDR3 ECC UDIMM, RDIMM
# of Memory Channels	6
Max Memory Bandwidth	1333 GB/s
# of DIMMs	12
ECC Memory Supported	Yes

Graphics Specifications

Integrated Graphics

Expansion Options

# of PCI Express Ports	5
PCIe x8 Gen 2.x	3
PCIe x16 Gen 2.x	1
IO Expansion x4 Gen 1.x	1

I/O Specifications

USB Revision	USB 2.0
# of USB Ports	5
USB 2.0 Configuration (Back + Internal)	4
# of SATA Ports	6
RAID Configuration	Intel Embedded RAID (0,1); upgradeable to RAID5

of Serial Ports

2

of LAN Ports

2

Integrated LAN

Dual, GbE

Integrated SAS Ports

0

Package Specifications

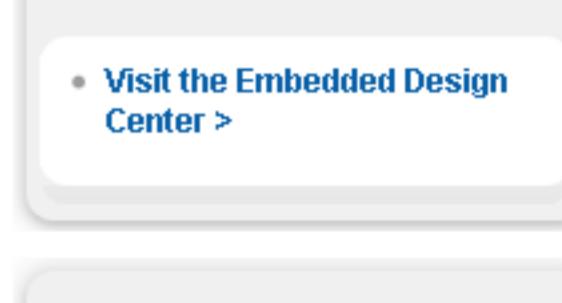
Max CPU Configuration	2
Low Halogen Options Available	See MDDs

Advanced Technologies

Intel® Remote Management Module Support	AXXRMM3
Intel® Intelligent Power Node Manager	Yes

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ADDITIONAL INFORMATION

SUPPORT AND DOWNLOADS

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PCN/MDDs INFORMATION

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"Announced" SKUs are not yet available. Please refer to the Launch Date for market availability.

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.

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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/products/processor_number for details.

Hyper-Threading Technology (HT Technology) requires a computer system with an Intel® processor supporting HT Technology and an HT Technology enabled chipset, BIOS and operating system. Performance will vary depending on the specific hardware and software you use. See www.intel.com/products/ht/hyperthreading_more.htm for more information including details on which processors support HT Technology.

64-bit computing on Intel® architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers and applications enabled for Intel® 64 architecture. Processors will not operate (including 32-bit operation) without an Intel 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. Consult with your system vendor for more information.

Max Turbo Frequency refers to the maximum single-core frequency that can be achieved with Intel® Turbo Boost Technology, which requires a PC with a processor with Intel Turbo Boost Technology capability. Intel Turbo Boost Technology performance varies depending on hardware, software, and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel Turbo Boost Technology. See www.intel.com/technology/turboboost/ for more information.

Enabling Execute Disable Bit functionality requires a PC with a processor with Execute Disable Bit capability and a supporting operating system. Check with your PC manufacturer on whether your system delivers Execute Disable Bit functionality.

Intel® Virtualization Technology requires a computer system with a processor, chipset, BIOS, virtual machine monitor (VMM) and for some uses, certain platform software, enabled for it. Functionality, performance or other benefit will vary depending on hardware and software configurations. Intel® Virtualization Technology-enabled VMM applications are currently in development.

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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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 IEC 61249-2-21 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.

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.