

## Product Brief

Intel® Server Systems  
SR1530SH, SR1530HSH

# Intel® Server Systems SR1530SH and SR1530HSH

A Family of Rack-Optimized Server Systems Delivering Highly Integrated Solutions for Cost-Sensitive Customers



### Product Overview

The Intel® Server Systems SR1530SH and SR1530HSH represent the latest generation of rack-optimized system solutions from Intel and the follow-on of platforms SR1530AH, SR1530AHLX and SR1530HAHLX. Providing higher flexibility in data storage and security, these scalable, affordable systems benefit growing companies running Web hosting, HPC applications, and other high-transactional computing solutions.

The new value rack-optimized 1U systems are optimized

With a 20" depth, the Intel Server System SR1530SH is ideal for space-constrained environments. Web farms, clusters, and appliance designs can take advantage of the unique, shorter chassis length.

Both systems include the Intel® Server Essentials CD pack, a suite of software applications that are designed to help reduce the complexity of deploying and managing Intel Server Systems. The Intel Server Essentials CD pack is comprised of Intel® Deployment Assistant, a graphical tool aimed at simplifying the process of setting up and deploying an Intel server, and Intel® System Management Software 2.0, a comprehensive software suite designed by Intel and Microsoft\* to provide local and remote server management functionality specifically for small- and medium-sized businesses. The software included in the Intel Server Essentials CD pack simplifies server setup and can help you not only manage your servers but your entire IT infrastructure.





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## System Specifications

### System Components Included

	Intel® Server System SR1530SH	Intel® Server System SR1530SH
	<ul style="list-style-type: none"><li>Intel® Server Board S3000SH L SKU</li><li>Intel® Server Chassis SR1530</li><li>One PCI Express* riser slot support</li><li>Standard control panel</li><li>One 350-watt fixed power supply</li><li>Pre-routed cables</li><li>System blowers and PCI fan</li><li>Air duct and baffle</li><li>System rail</li><li>Slim-line DVD-ROM bay</li><li>Documentation</li></ul>	<ul style="list-style-type: none"><li>Intel® Server Board S3000SH L SKU</li><li>Intel® Server Chassis SR1530</li><li>One PCI Express* riser slot support</li><li>Standard control panel</li><li>One 350-watt fixed power supply</li><li>Pre-routed cables</li><li>System blowers and PCI fan</li><li>Air duct and baffle</li><li>System rail</li><li>Slim-line DVD-ROM bay</li><li>Documentation</li></ul>
	Support up to two cabled SATA HDDs	Support up to three cabled SATA HDDs
HDD Interface	1	1
Number of Processor Sockets	Multi-Core Intel® Xeon® Processor 3200/3000 Sequence 45 nm Intel® Core 2 Processor family	Multi-Core Intel® Xeon® Processor 3200/3000 Sequence 45 nm Intel® Core 2 Processor family
Processor Support¹	800/1066/1333MHz	800/1066/1333MHz
System Bus Speed	Intel® 3200 Chipset	Intel® 3200 Chipset
Chipset	4	4
PCI Buses	1	1
Total Slots	1 x PCI Express x8 slot	1 x PCI Express x8 slot
Slot Types	Four ECC DDR2 667/800 SDRAM DIMM sockets for up to 8 GB of memory	Four ECC DDR2 667/800 SDRAM DIMM sockets for up to 8 GB of memory
Memory Capacity	Two Intel® Gigabit Ethernet connections	Two Intel® Gigabit Ethernet connections
Integrated LAN	ServerEngines* with 32MB memory	ServerEngines* with 32MB memory
Integrated Graphics	iBMC with IPMI 2.0 support	iBMC with IPMI 2.0 support
Server Management Support	1U Rack	1U Rack
Form Factor	2 x 3.5" Fixed SATA drive bays	3 x 3.5" Hotswap SATA drive bays
Drive Bays	Optional slim-line optical drive	Optional slim-line optical drive



## Features and Benefits

Balanced server platforms based on dual-core Intel® Xeon® processors offer the following:

- Multi-core processing multiplies server performance by doubling processing ability on a single chip, without increasing power consumption.
- Intel® 64 architecture<sup>2</sup> extends the amount of available server memory.
- Intel® Virtualization Technology (Intel® VT)<sup>3</sup> turns a physical server into multiple systems (virtual machines) allowing multiple operating systems and applications to run inside a single platform.
- Execute Disable Bit<sup>4</sup> reduces exposure to viruses and prevents harmful software from executing on the server or network.
- Enhanced Intel SpeedStep® Technology allows processors to adjust their operating speeds to meet varying performance needs while balancing power consumption.

## Optional Accessories and Spare Parts:

Intel® Building Block	Product Name(s)	Order Code(s)
Optional Drives	Slim-line SATA DVD ROM	AXXSATADVDRAM
	Slim-line SATA DVD+/-RW ROM	AXXSATADVDRWROM
Rack Options	Fixed Mount Bracket Kit	AXXBRACKETS
	1U Black Bezel for SR1530	AHJBEZBLACK
	1U Black Bezel for SR1530H	ADWBEZBLACK
	PCI Express* Riser	ASHPCEUP
Intel® RAID Options	Intel® RAID Controller Modules	SRCASJV
		SRCASRB
		SRCATAWB
Chassis Spares	Spare 350W Power Supply	FHJ350WPS
	Fixed Product Maintenance Kit	FHJFXPMKIT
	Blower/Fan Kit	FHJBLOWER

## Technical Specifications

### System Memory

#### Capacity

Four DIMM sockets for up to 8GB of un-buffered ECC/non-ECC DDR2 667 or 800 memory

#### Reliability Features

Reliability features: corrects single-bit errors, detects double-bit errors (using ECC memory)

### Intel® Server Management

#### Integrated Management Type

iBMC with IPMI 2.0 support

#### Software Support

Intel® System Management Software 2.0

#### Supported Operating Systems

Microsoft® Windows® Server 2003 Enterprise Edition,  
Microsoft Windows 2000 Advanced Server,  
Red Hat® Linux® Enterprise 4.0,  
SuSE® Linux® Enterprise Server and  
Novell® NetWare® 6.5

### Mechanical

#### Board Style

SSI ATX

#### Board Size

12" x 9.6" (305 mm x 244 mm)

### Environment

#### Ambient Temperature

Operating (system): +10°C to +35°C;

Non-operating/storage (system): -40°C to +70°C ambient

#### Relative Humidity

Non-operating: 95%, non-condensing at +30°C

To build your system and get more details on server configurations from Intel visit: [www.intel.com/go/serverconfigurator](http://www.intel.com/go/serverconfigurator)

For more details on Intel® Server Systems SR1530SH/SR1530HSH, visit: [www.intel.com/design/servers/platforms/sr1530SH/index.htm](http://www.intel.com/design/servers/platforms/sr1530SH/index.htm)

For more information on Intel® Server Products, visit: [www.intel.com/go/serverproducts](http://www.intel.com/go/serverproducts)

For more information on how to make the Intel® Server Systems SR1530SH and SR1530HSH part of your server environment, please contact an Intel® Channel Partner Program participant.