



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 in either a 1U with fixed drives or a 1U with hot-swap drives support.

- Intel® Server System SR1530SH support up to two fixed 3.5" SATA drives.
- Intel® Server System SR1530HSH support up to three hot-swap 3.5" SATA drives.

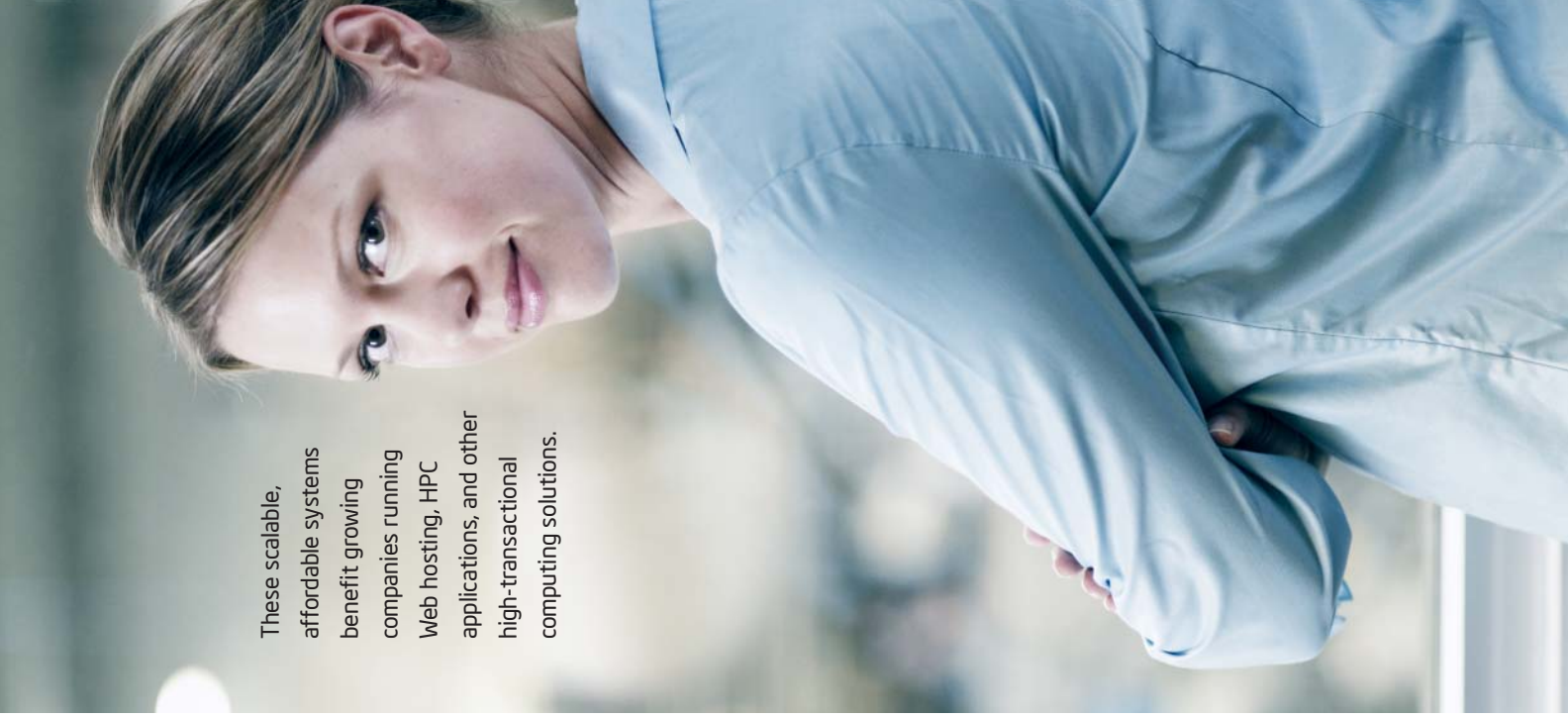
With a 20" depth, the Intel Server System SR1530SH is ideal for space-constrained environments. Web farms, clusters, and appliance designs can take advantage of the unique, shorter chassis length.

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.

These integrated systems are also designed for increased uptime and tool-less serviceability. Over 10,000+ hours of testing and validation were done, not only with other building blocks from Intel, but also with third party peripherals and memory to assure compatibility and reliability.





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System Specifications

System

Components Included

Intel® Server System SR1530SH

- Intel® Server Board S3000SH L SKU
- Intel® Server Chassis SR1530
- One PCI Express® riser slot support
- Standard control panel
- One 350-watt fixed power supply
- Pre-routed cables
- System blowers and PCI fan
- Air duct and baffle
- System rail
- Slim-line DVD-ROM bay
- Documentation



Intel® Server System SR1530HSH

- Intel® Server Board S3000SH L SKU
- Intel® Server Chassis SR1530H
- One PCI Express® riser slot support
- Standard control panel
- One 350-watt fixed power supply
- One passive SATA backplane
- Three 3.5" hard drive carriers
- Pre-routed cables
- System blowers
- Air duct and baffle
- System rail
- Slim-line DVD-ROM bay
- Documentation



HDD Interface

Support up to two cabled SATA HDDs

Number of Processor Sockets

1

Processor Support¹

Multi-Core Intel® Xeon® Processor 3200/3000 Sequence
45 nm Intel® Core 2 Processor family

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45 nm Intel® Core 2 Processor family

System Bus Speed

800/1066/1333MHz

800/1066/1333MHz

Chipset

Intel® 3200 Chipset

Intel® 3200 Chipset

PCI Buses

4

4

Total Slots

1

1

Slot Types

1 x PCI Express x8 slot

1 x PCI Express x8 slot

Memory Capacity

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

Integrated LAN

Two Intel® Gigabit Ethernet connections

Two Intel® Gigabit Ethernet connections

Integrated Graphics

ServerEngines* with 32MB memory

ServerEngines* with 32MB memory

Server Management Support

iBMC with IPMI 2.0 support

iBMC with IPMI 2.0 support

Form Factor

1U Rack

1U Rack

Drive Bays

2 x 3.5" Fixed SATA drive bays
Optional slim-line optical drive

3 x 3.5" Hotswap SATA drive bays
Optional slim-line optical drive

System Cooling

Two fixed cooling blowers with ducting and a PCI fan

Two fixed cooling blowers with ducting

Power Supply

350-watt, non-redundant PFC

350-watt, non-redundant PFC

Dimensions (H x W x D)

1.7" x 16.93" x 20"

1.7" x 16.93" x 25.51"

¹ Refer to <http://support.intel.com/support/motherboards/server> for up-to-date details on processors supported by each server board.

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 architecture² extends the amount of available server memory.
- Intel® Virtualization Technology (Intel® VT)³ turns a physical server into multiple systems (virtual machines) allowing multiple operating systems and applications to run inside a single platform.
- Execute Disable Bit⁴ 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	AXXSATADVDROM	
	Slim-line SATA DVD+/-RW ROM	AXXSATADVDWRROM	
Rack Options	Fixed Mount Bracket Kit	AXXBRACKETS	
	1U Black Bezel for SR1530	AHJBEZBLACK	
	1U Black Bezel for SR1530H	ADWBEZBLACK	
	PCI Express* Riser	ASHPCIEUP	
Intel® RAID Options	Intel® RAID Controller Modules	SRCSASJV SRCSASRB SRCSATAWB	
	Chassis Spares	Spare 350W Power Supply	FHJ350WPS
		Fixed Product Maintenance Kit	FHJFXPMKIT
Blower/Fan Kit		FHJBLOWER	

² 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.

³ Intel® Virtualization Technology (Intel® VT), Intel® Trusted Execution Technology (Intel® TXT), and Intel® 64 architecture require a computer system with a processor, chipset, BIOS, enabling software and/or operating system, device drivers and applications designed for these features. Performance will vary depending on your configuration. Contact your vendor for more information.

⁴ 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.

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

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

For more information on Intel® Server Products, visit: 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.

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