

RELIANCE



Key Features

- SC812S Rackmount Server Chassis (1U)
- 400 Watt Cold-swap Power Supply
- Intel® Xeon™ Processors, Dual Processor Ready
- 1.8 GHz to 3.06 GHz CPU
- 400 MHz or 533 MHz Front Side Bus (FSB)
- Intel® E7501 Chipset
- Maximum 12 GB DDR SDRAM memory
- Dual Channel Ultra 320 SCSI
- Integrated ATI Rage XL Video Controller with 8 MB Video Memory
- 64-bit/133 MHz PCI-X
- Two Intel® PRO/1000 MT Network Connections
- Adaptec® Dual Channel PCI-X-to-Ultra320 SCSI
- Adaptec® ZCR RAID Controller (Optional)
- Advanced Intel® Server Management software
- FCC DoC, UL Listed, EPA Energy Star Compliant

Reliance SPR Series Server

The Reliance SPR Series, specifically designed for high-density rack environments, brings unsurpassed headroom, reliability, and scalability for any workgroup or departmental need. Specifically built to function in SMB, government, and education environments, the SPR series will effortlessly blaze through performance-hungry applications yet simultaneously delivering an affordable platform. Powered by the most advanced Intel® Xeon™ Processors with Hyper-Threading Technology, and with its immense memory expansion capability, up to 12 GB of dual (two-way) interleaved ECC DDR SDRAM support, the Reliance SPR is the BEST value scalable entry level server available in today's marketplace. We even make its performance and expansion potential more attractive by incorporating hot-swap Ultra 320 SCSI drives in addition to a full suite of system management capabilities. Its 400 Watt power supplies are designed to accommodate the full expansion potential of the SC812R Chassis, which is capable of holding up to three Hot-swap storage devices. You no longer have to forego affordability at the expense of performance - you can now have both with the Reliance SPR Series.



Model SC1-S201

Reliance SPR Series Server

Processor

Dual Intel® Xeon™ Processors with Hyper-Threading Technology
603-pin Socket INT-mPGA
Intel® NetBurst™ Microarchitecture
400 MHz or 533 MHz Front Side Bus (FSB)
1.8 GHz to 3.06 GHz CPU

Chipset

Intel® E7501 Chipset
Intel® E7501 Memory Controller Hub (MCH)
Intel® 82801CA Integrated Controller Hub (ICH-3)
Intel® 82870P2 64-bit PCI/PCI-X Controller (P64H2)
PCI 2.2 Compliant & Concurrent PCI for Real-Time I/O

BIOS

4 Mb Flash EEPROM
Phoenix® BIOS - Plug & Play, SMBIOS 2.3, ECC/Parity support, Multilingual support
IDE Drive Autoconfigure
Automatic Hard Disk Detection
Built-in Password Protection
Supports ZIP Drives
Supports IDE CD-ROM or SCSI Bootup
Enhanced Advanced Configuration and Power Interface (ACPI)
PC '99 Compliant

Cache

12k μ op and 8 KB Data, Level 1 Execution Trace Cache
512 KB On-Die L2 Advanced Transfer Cache

System Memory

Six (Two-way) Interleaved DIMM Sockets for DDR266 SDRAM
128 MB, 256 MB, 512 MB, 1 GB and 2 GB DIMMs
Maximum Memory Capacity of 12 GB
72-bit ECC, Corrects Single-bit Errors, Detects Double-bit errors, Chipkill Technology

Server Management

Fan Status/Temperature Monitoring and Alert
Auto Stop of CPU Fan in Suspend Mode to Save Power
Auto Slow-Down of CPU when overheating is detected
Power Supply Voltage Monitoring and Alert
Chassis Intrusion Alarm and Logging
Service Partition Support
System Resources: Memory & Hard Disk Drive Utilization Monitoring & Alert

Integrated Super I/O

Two Serial Ports
One Floppy controller, 1.44 MB, 2.88 MB, 3-mode support
One PS/2 Mouse and One PS/2 Keyboard Port
Five USB connectors

LAN/SCSI Interface

Adaptec® AIC-7902W Dual Channel SCSI Controller
Two Ultra320/LVD channels connected via one internal 68-pin-wide connector and one 68-pin high density external SCSI connector
Max data transfer: 160 MB/sec on Ultra 160/LVD channel
SAF-TE Compliant SCA Backplane w/ QLogic GEM Enclosure Controller
Two Intel® PRO/1000 MT Network Connections (Intel® 82546EB controllers)
Supports 10Base-T, 100Base-TX, and 1000Base-T w/ RJ45 Connector

Integrated PCI IDE/RAID

2 Enhanced IDE Channels
Supports 4 IDE Devices
Supports PIO Mode 4 (17 MB/sec maximum)
Supports Bus Master DMA Mode 2 (22 MB/sec maximum)
Supports Bus Master Ultra DMA/100 (100 MB/sec maximum)
ATAPI CD-ROM Supported
Adaptec® Zero-Channel RAID Support (Optional)
2 Independent Channels - PCI Bus Master IDE Ports
Supports Bus Master RAID Levels 0, 0/1, 5, 0/5, JBOD

Integrated Graphics Adapter

ATI® Rage® XL SVGA PCI video controller with 8 MB video memory

Expansion Slots

One PCI-X Slots
One Virtual Extended Bus (VXB) Slot

Bus Architecture

64-bit/133 MHz PCI-X

Housing Configuration

SC812S 1U Chassis

Dimensions (d) x (w) x (h) mm/inches

652 x 425 x 44 / 25.67 x 16.73 x 1.73

Drive Bays

Slim CD-ROM/Floppy:	1 / 1
5.25" External:	0
3.5" External:	0
3.5" Hot Plug:	3

Power Supply Features

Input Voltage	100-240 VAC
Input Frequency	50/60 Hz
Input Currents	10.0 / 5.5 A
Device Power Connectors	7 for 5.25" and 2 for 3.5" Devices
Green PC	EEF Energy Efficient PC
Maximum Output	400 Watts
Form Factor	Intel® Extended ATX
Soft Power Switch	DC On/Off via TTL Signal

Environmental

Operating Temperature:	+5° to +35° C / +41° to 95° F (SR6-I172) +10° to +35° C / +50° to +95° F (SR7-I172)
Storage Temperature:	-40° to +70° C / -42° to +158° F
Relative Humidity:	90% RH @ +35° C / +95° F
Acoustics:	< 55dBA in idle state in normal office environment
Electrostatic Discharge:	15 kV per Intel® test specification

Regulatory & Product Certifications

EMI/RFI: FCC Declaration of Conformity (DoC)
Safety: Underwriter Laboratories 1950, 1st Edition

Options

8 cm Hot Plug Fans
Adaptec® 2015S ZCR RAID

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