

# High Density Computing 202

## For ISP/ASP and Enterprise Environments

The SR202 is high performance single or dual 1 GHZ Pentium III processor server platform. It allows IT managers to rapidly deploy servers to the portion of the network that is under the most strain. It is designed to increase computing power and reduce the price per cubic foot of floor space.

The SR202 comes with 6 Ultra 160 hot swap Ultra SCSI drive bays, up to 4 GB of ECC memory, built in ATI RAGE-XL video, 2 independent Intel 82559 fast 10/100 Ethernet ports, 300 watt power supply and a second Ultra 160 SCSI port available from the rear panel. With these features you can see how the SR202 can dramatically increase both network availability and performance.

### 2U, Rack-mount Design

The SR202 is a rack optimized, high-density server platform solution designed for space-constrained Internet web companies, telecommunications and data centers. It was designed for fast deployment environments, scalability and solid performance.

### Open platform server solution

Designed around Intel's open platform Intel Architecture, it is compatible with the widest range of operating systems, development tools and applications that you need to run a successful data center.

### Supports up to 2 Intel® Pentium® III Processors

With support for up to 2 ea 1 GHZ Pentium III processors and 4 GB of memory, the SR202 delivers the processing performance and Scalability to go beyond your server's most robust applications.

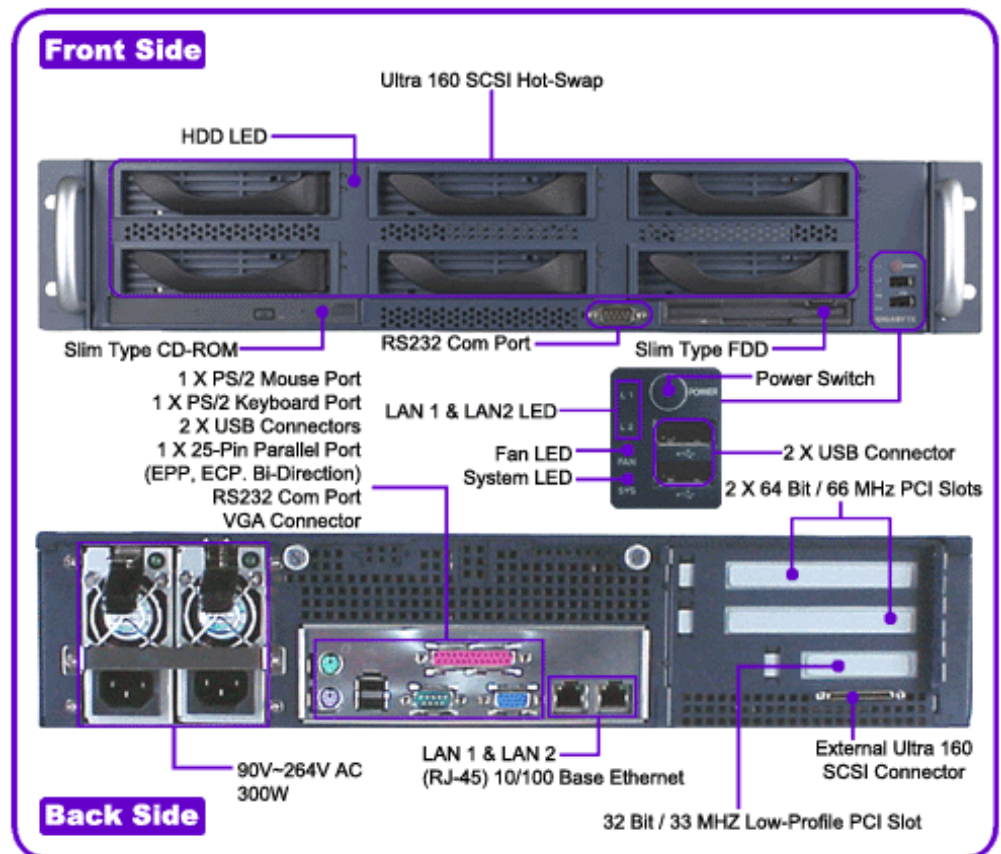
### System Cooling

- Fans - 3 cooling fans bring air in from the front of the chassis and exhaust it out the rear of the chassis. There are 2 additional fans in the power supply.

- Temperature Monitoring – The motherboard constantly monitors the ambient air temperature and the temperature of each processor within the chassis. For advance notice, early warning alarm levels can be set. If a present level is exceeded, the motherboard will turn on audible and the appropriate visual front panel LED indicator. For operating systems with ACPI support, the motherboard can instruct the operating system to shut down if preset environmental and/or processor temperature levels are exceeded.

### Dual Ethernet LAN ports

Each SR202 comes with two (2) independent 82559 fast 10/100 Ethernet ports. By incorporating independent LAN ports into the motherboard, you can use this server platform in applications such as firewall, load balancing and clustering environments. In other applications you can use the two ports or different functions, like one for network users, the other for network administration or if you want to remove your backup function from the network, use one port for the network users, the other backing up the server's data.



## Features

### PROCESSOR

- Up to 2 PGA370, 1GHZ Pentium III's
- 100/133 MHz system bus
- Optimized CPU keep-out Zone for Type C Heat-sink

### MEMORY

- 4 each 168-pin slanted DIMM sockets
- Supports up to 4.0 GB of PC133 registered ECC SDRAM DIMM memory

### STORAGE

- Embedded LSI Symbios 53C1010-66 SCSI dual port controller
  - 1 internal 68 pin Ultra 160 SCSI port for the 3 drive trays
  - SCA backplane for signal, power distribution & SCSI bus termination
  - One external 68 pin Ultra 160 SCSI port
  - Up to 15 SCSI devices per port
  - 6 hot-swap drive bays (1" high, 80-Pin SCA SCSI drives)
  - LED activity and status indicators for each drive bay
- Dual channel Ultra DMA66 controller
  - Each channel supports 2 Ultra DMA66 Devices
  - Supports Mode 3, 4, IDE & ATAPI CD-ROM
  - Disk on Module support for embedded applications
  - Optional DOC (disk on chip) for embedded applications
- 1.44 MB floppy disk drive
- High speed IDE CD-ROM drive

### PCI SOLTS

- 2 each 64 bit/66 MHz PCI riser slots
- 1 each 32 bit/33MHz low profile slot

### EXTERNAL I/O PORTS

(all connectors are on rear panel unless noted otherwise)

- 1 each Ultra 160 SCSI port using VHDCI bulkhead connector
- 1 each graphics port
  - Embedded ATI RAGE-XL video graphics accelerator
  - 8MB SDRAM frame buffer
- Dual Intel 82559 fast 10/100 Ethernet ports.  
Each port comes with
  - Its own RJ45 connection
  - Wake On LAN (WOL) power on functionality
  - Front panel status, speed & activity LED indicators
- 2 each 16550 COM port (1 on front and 1 on rear panel)
  - Supports external & internal Modem Ring-On functionality
- 1 each PS/2 keyboard (with short circuit protection)
- 1 each PS/2 mouse (with short circuit protection)
- 4 each USB ports (2 on front and 2 on rear panel)
- 1 each EPP/ECP LPT port

### AUTO-DETECT & REPORT SYSTEM HEALTH STATUS

- CPU/System fan speed detect
- CPU/System temperature detect
- CPU overheat shutdown detect BIOS
- Auto detect CPU voltage
- System temperature

### 3 Chassis FANS

AMI BIOS on 4Mb of flash memory

- With an enhanced ACPI feature for
  - Selecting IDE#0~3, LSI 20, ZIP or CD-ROM as bootable devices
  - Auto detect & report system health status
  - PC99/Win2000 compliance
  - Green Function
  - Suspend mode support
  - Green switch and ACPI LED support
  - Monitors all IRQ/DMA/display/I/O events
  - Select either the front or rear panel serial port as Console port
  - Supports plug & play, DMI functions
  - PnP
  - DMI
  - Support for disk drives >8.4 GB in capacity
  - Anti-Virus functions

### POWER-ON HARDWARE SUPPORT FOR.....

- Each LAN port
- Modem
- Main power switch

### Specifications

#### CHASSIS

- Industry standard 2U high rack mount chassis
- Height: 3.46 in. Width: 19.0 in. Depth: 24 in.  
88 mm X 482.6 mm X 611 mm
- Shipping Weight: 18.9 kg ( 30 lbs)

#### POWER

- 300 W power supply with 2 internal fans  
(optional - dual 300 watt hot swappable power supplies)
- Line voltage 90V~250V 47~63Hz
- Max input Line current— 6 amps@120v/3 amps@240 volts

#### TEMPERATURE

- Operating 5 to 35 degree C Ambient
- Non-operation -40 to 70 degree C
- Relative Humidity 95% non-condensing at 30 degrees C
- Noise <55DB at 23 degrees C

#### AGENCY COMPLIANCES

- UL (Canadian and US listed)
- CE
- FCC for home and office usage

#### SOFTWARE COMPATIBILITY

LINUX, Netware 5.0, Windows 95/98/ME/2000, SCO open, Solaris

#### ORDER P/N

*W/single power supply order P/N 9NSR202-01-01*

*W/redundant power supplies order P/N 9NSR202-R1-02*

*Specifications subject to change without notice  
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