

High Density Computing 103

For ISP/ASP and Enterprise Environments

The SR103 is high performance single or dual Pentium III Coppermine or Tualatin based server platform. Each server platform comes with 2 embedded ATA100 ports, support for up to 2 GB of ECC memory, embedded ATI RAGE-XL video, embedded dual Intel Server 82559 fast 10/100 LAN ports, and a 250 watt power supply. With features like this the SR103 can increase your networks availability and expandability.

1U, Rack-mount Design

The SR103's ultra-thin 1U design is a leader in delivering the maximum computing power in the smallest amount of rack space without sacrificing performance, expandability, serviceability, or manageability. It is a highly cost effective solution designed to maximize your revenue per cubic foot of floor space.

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 Coppermine or Tualatin Processors

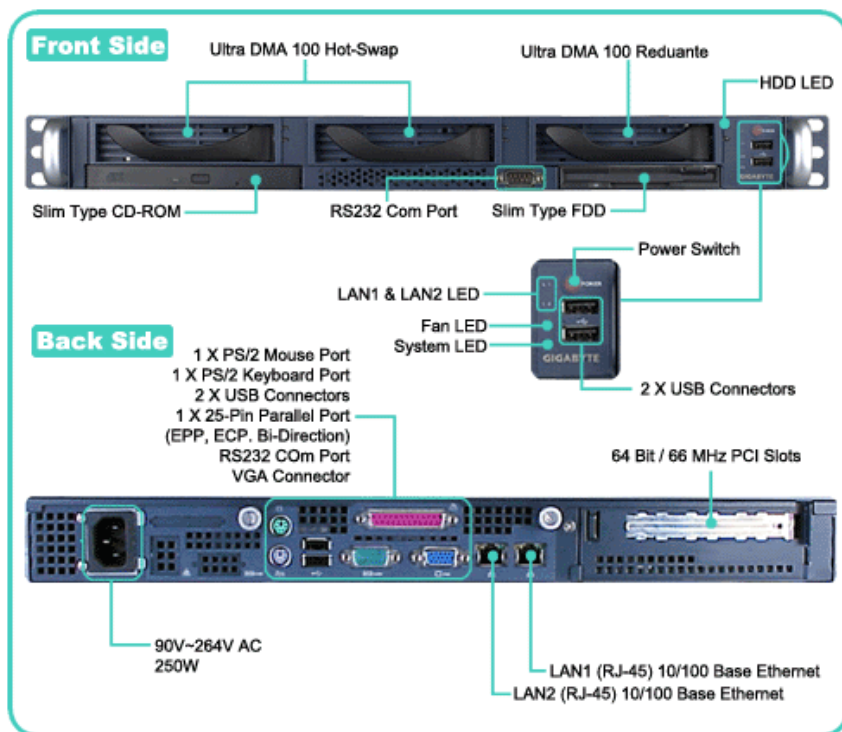
With support for up to 2 ea Pentium III Coppermine or Tualatin processors and 2 GB of memory, the SR103 delivers the processing performance and scalability to go beyond your server's most robust applications.

Dual Ethernet LAN ports

Each SR103 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, DNS, load balancing & clustering environments. In other applications you can use the two ports for different functions, like one for network users, the other for network administration or if you want to remove your backup function from the network, you can use one port for network users, the other backing up the server's data.

System Cooling

- Fans – Six (6) cooling fans bring air into the chassis from the front panel and exhaust it out the rear of the chassis. There are 2 additional fans in the power supply.
- Monitoring temperature – The motherboard constantly monitors the temperature of each processor and the ambient air within the chassis. For operating systems that supports the industry standard ACPI function, if CPU temperatures exceed preset limits, the motherboard can instruct the operating system to shut down. Early warning alarm limits can be pre-set for advance notice of an impending problem. If a preset level is exceeded, the motherboard will turn on the audible and visual front panel LED indicators.



Features

PROCESSOR

- Supports up to 2 Intel Pentium III Coppermine or Tualatin processors
- 100/133 MHz FSB
- Optimized CPU keep-out Zone for Type C Heat-sink

MEMORY

- Four 168-pin slanted DIMM sockets
- Supports up to 2.0 GB of PC133 registered ECC SDRAM DIMM memory

STORAGE

- Embedded RAID controller support
 - Supports both ATA100 & 66 drives
- Embedded dual channel ATA100 controller
 - Each channel supports up to 2 each ATA & 66 devices
 - Supports Mode 3, 4, IDE & ATAPI CD-ROM
- 3 removable drive bays
 - 2 bays are hot swappable for RAID controller support
 - 1 bay is removable only, for ATA100 controller support
- 1.44 MB floppy disk drive
- High speed IDE CD-ROM drive

EXPANSION PCI SLOTS

- 1 ea. 32 bit/33MHZ full size PCI slot. PCI2.2 compliant

EXTERNAL I/O PORTS

(all connectors on rear panel unless noted otherwise)

- 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
 - Supports 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 (MRO) functionality
- 1 each PS/2 keyboard
- 1 each PS/2 mouse
- 2 each USB ports
- 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 voltage detect (Vcore, Vcc, +12v)
- System temperature

6 CHASSIS COOLING FANS

AMI BIOS on 2Mb 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/Win98/Win2000 compliance

- Green Function
- Suspend mode support
- Green switch and ACPI LED support
- Monitors all IRQ/DMA/display/I/O events
- Console redirect to front panel com port
- Supports plug & play
 - PnP
 - DMI
 - INT I13
 - Support for disk drives >8.4 GB in capacity
 - Anti-Virus functions

Power-on hardware support for

- Each LAN port
- Modem
- Main power switch

Physical, Environmental and Agency Information

CHASSIS

- Industry standard 1U high rack-mount chassis
- Height: 1.75 in. Width: 19.0 in. Depth: 24.0 in.
44.45 mm X 482.6 mm X 609.6 mm
- Weight 13.5 kg (30 lbs.)

POWER

- 250 W power supply with 2 internal fans
- Auto-switching line voltage 90V~250V 47~63Hz
- Max input Line current – 6 amps @ 120v/3 amps @ 240v

TEMPERATURE

- Operating 5 to 35 degree C Ambient
- Non-operation –40 to 70 degrees 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

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

ORDER PART NUMBER

9NSR103-O1-01

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