

# High Density Computing 101

## For ISP/ASP and Enterprise Environments

The SR101 is high performance single or dual 1 GHZ Pentium III processor server platform. It allows for the rapid deployment of servers to the portion of the network that is under the most stress. It is a cost effective solution designed to maximize your revenue per cubic foot of floor space

The SR101 comes with 2 Ultra DMA 66 hot swap drive trays, RAID support, up to 2 GB of ECC memory, built in ATI RAGE-XL video, 2 independent Intel 82559 fast 10/100 Ethernet ports and a 250 watt power supply. With features like this the SR101 can increase network availability and performance.

### 1U, Rack-mount Design

The SR101 is a rack optimized, high-density server platform solution designed for easy deployment, 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

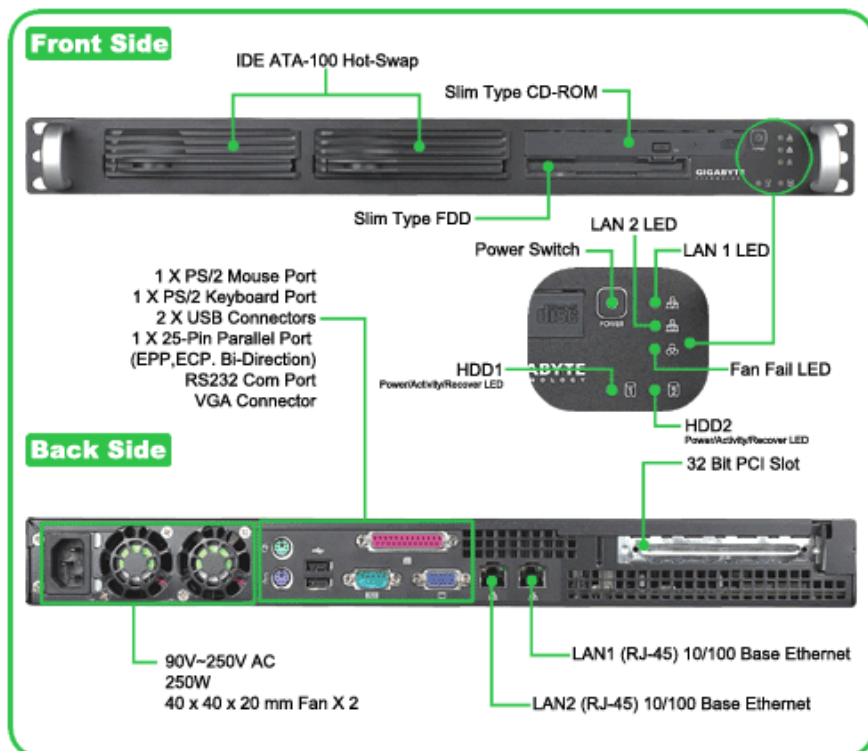
With support for up to 2 Pentium processors and 2 GB of memory, the SR101 delivers the processing performance and scalability to go beyond your server's most robust applications.

### Dual Ethernet LAN ports

With two (2) independent Intel 82559 fast 10/100 Ethernet ports integrated in the motherboard, this server platform can be used in applications such as firewall, load balancing and clustered environments. Other applications you can use the two separate ports for are one for network users, the other for network administration or one for network users the other backing up the server's data files.

### 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.
- 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.



## Features

### **PROCESSOR**

- Supports up to 2 FC-PGA socket, Pentium III's
- 100/133 MHz system bus
- Optimized CPU keep-out Zone with Type B Heat-sink

### **MEMORY SUPPORT**

- 4 each 168-pin slanted DIMM sockets
- Support up to 2.0 GB of PC100/133 ECC buffered or registered memory and VCM SDRAM
- Support 3.3V SDRAM DIMM

### **STORAGE**

- Embedded RAID controller
  - Supports both Ultra DMA 100 & 66 Devices
  - 2 front-accessible hot-swap drive trays
  - 2 each front panel LED indicators
- Dual channel Ultra DMA66 controller
- 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

### **EMBEDDED I/O PORTS**

- 1 each 15-Pin Graphics port
  - Embedded AGP-4X graphics function
  - ATI RAGE-XL video controller with 8MB video memory
- 2 Intel PRO/100 + Fast Ethernet 10/100 ports
  - Each port comes with
    - Its own RJ45 connection
    - Wake On LAN (WOL) functionality
    - Front panel LED indicator
- 1 each 9-Pin COM port
  - With Wake On Modem Ring (WOMR)
- 1 each PS/2 keyboard (short circuit protection)
- 1 each PS/2 Mouse port
- 2 each USB ports

### **FRONT PANEL INDICATORS**

- 2 each LAN activity LED's
- 2 each hard drive activity LED's
- 1 each system fan LED

### **H/W MONITORING**

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

### **DUAL BIOS FUNCTIONALITY**

- 2Mb of flash BIOS RAM
- AMI BIOS with enhanced ACPI feature for
  - IDE# 0~3, LSI 20, ZIP & CD-ROM as bootable devices
  - PC99/Win98/Win2000 compliance
  - Green
  - 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
- 1 PCI riser slot; support 33MHz and PCI 2.2 compliant

### Physical, Environmental and Agency Information

#### **CHASSIS**

- Industry standard 1U 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
- Shipping Weight: 13.5 kg ( 30 lbs.)

#### **POWER**

- 250 W power supply
- Line voltage - 90V~250V 47~63Hz
- Max Line current 6 amps @ 120v, 3 amps @ 240 volts

#### **TEMPERATURE**

- Operating 5 to 40 degree C
- Non-operation -40 to 70 degree C
- Relative Humidity 95% non-condensing at 30 degrees C

#### **AGENCY COMPLIANCE**

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

#### **SOFTWARE COMPATIBILITY**

LINUX, Netware 5.0, Windows NT/2000, SCO open, Solaris

#### **ORDER P/N 9NSR101-01-12**

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