



Internal Multi-Drive SATA RAID Backplane Module

- › Support SATA 3/6 Gbps hard disk drives
- › Backplane design for five removable SATA drive trays
- › Support RAID levels 0, 1, 10, 3, 5, large and clone
- › Simple one cable connection to SATA Host
- › High quality aluminum material construction provides best ventilation
- › Individual key lock on each hard disk drive tray for physical security
- › Environmental monitoring with power, fan, temp. LEDs and mutable buzzer alarm

Overview

NR170S is an internal high density multi-drive SATA RAID module that supports up to five any high capacity 3.5" SATA 3/6 Gbps hard disk drives, occupying only three standard 5.25" spaces from PC or Server's enclosure. With built-in most reliable hardware RAID processor, NR170S provides a variety of RAID levels such as RAID 0, 1, 10, 3, 5 for selection, high transmission rate up to 3Gbps, and easy setup that fits into any existing IT infrastructure, cost effective for solutions to add RAID storage to PCs, servers, workstations and NAS Systems.

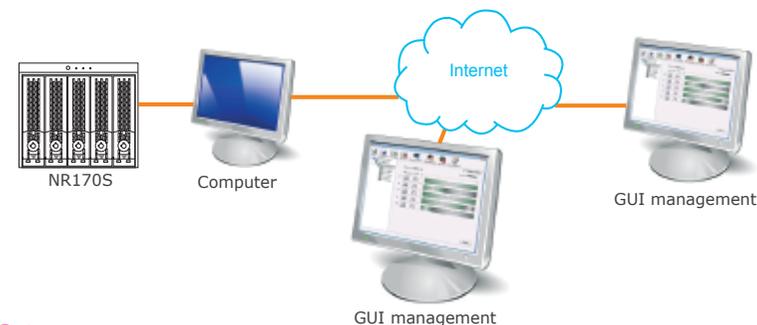
High Performance

The built-in hardware controller unleashes the power of NR170S. With simply single host connectivity, NR170S supports both 6G and 3G SATA port and delivers in excess of 268MB/s sustained RAID 5 Reads and over 260MB/s RAID 5 sequential writes while connection with 6Gbps host SATA port.

**6Gb/s
SATA Port**
260 MB/s

User Friendly GUI Management

Featuring a user friendly GUI (graphical user interface) for settings, alarm mute, management and configuration, the NR170S can be configured and monitored by in-band bus from a direct-attached host server/workstation or be set up and monitored remotely through the IP address of a direct-attached server or workstation. The user friendly GUI provides real-time system status, RAID, online health, and environmental monitoring from the host side or remotely from the client side. The alarm can be muted from a remote GUI, and users can always trace the history events of the enclosure from GUI's event log. Furthermore, the event notification of RAID malfunction, overheated temperature or fan failure can be notified via e-mail.



Easy Setup

It requires only one internal SATA port from any existing motherboard or serverboard to connect with NR170S multiple disk module. No drivers are needed after connection between host and NR170S is made; moreover, RAID configuration can be set up within few minutes. The NR170S backplane module is compatible with Windows and Linux PCs, servers, and workstations.



Specifications

Model	NR170S
Host Interface	SATA II/III (3/6 Gbps)
HDD Interface	SATA II/III (3/6 Gbps)
No. of Disk(s)	5
RAID Function	RAID 0, 1, 10, 3, 5, large and clone
LED Display for Each Tray	White - power-on indicator Blue - HDD ready Flashing blue - HDD access Flashing pink - HDD rebuilding
LED Display for Enclosure	Power-on LED - white Fan normal - green; fan failure - red Temp. normal - green; temp. over 50°C - red
Material	Aluminum housing with sturdy metal body inside
Power Supply	2 (Molex 4 pin)
Cooling	One 80×80×25 mm cooling fan
Alarm	Buzzer beeping for fan failure or over temperature (over 50°C) occurs with mute button
Dimension	Fan included: 220(D)×146(W)×126(H) mm Fan excluded: 193(D)×146(W)×126(H) mm
O.S. Support	No driver required
GUI Support	Windows, Linux