



## 3U 16 Bay and 4U 24 Bay PCIe Expansion RAID Subsystem

- › Up to seven extra PCIe slots
- › 40 Gbps PCIe x8 host connectivity
- › Backplane design allows SAS/SATA hard disk drives
- › Backplane design allows hard disk drive failure indication on each tray
- › Redundant hot-swappable power supply unit
- › LED indicators for power, activity and hard disk drive failure on each tray
- › Environmental monitoring with fan/temp. LEDs and mutable buzzer alarm

### Overview

Netstor's second generation PCIe expansion RAID series includes 3U 16 bay NA333A and 4U 24 bay NA380A, featuring a combination of extra PCIe slots and disk bays in one enclosure with up to 40 Gbps host connectivity. The extra PCIe slots provide a solution to the PCIe slot shortage occurred on servers or workstations with limited PCIe slots offered. The PCIe expansion RAID series allows users to choose a RAID core from various PCIe RAID HBAs with respective number of ports – NA333A 16 ports and NA380A 24 ports. With this advantage, users are able to customize the RAID core with appropriate functionality and scalability to suit their workflow.

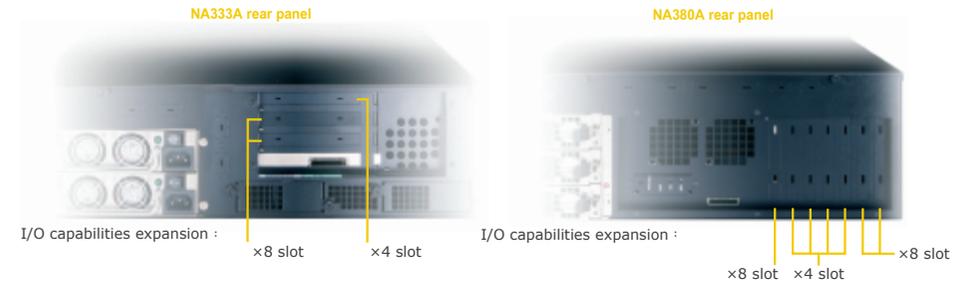


### 40 Gbps Host Connectivity

Netstor's PCIe RAID series allows PCI Express 2.0 bus from motherboard to be equipped with adapter cards with external PCIe x8 data cable connected. PCIe 2.0 x8 delivers 40 Gbps data transfer rate, five times faster than 8Gb/s Fibre Channel. With such high data transfer rate, the PCIe RAID series is capable of any speed critical tasks such as video content creation, HD streaming or any other data intensive applications.

### PCIe Expansion

PCIe slots are needed while equipping a number of storage devices with large capacity or peripherals with computer or server; however, usually only a limited number of slots are offered. Netstor utilizes PCIe expansion technology to extend PCIe slots from computer to enclosure; at the same time, extra PCIe slots are created. NA333A provides extra one PCIe x8 slot or two PCIe x4 slots; NA380A provides extra three PCIe x8 slots and four PCIe x4 slots.



### Specifications

Model	NA333A	NA380A
Form Factor	3U 16 bay	4U 24 bay
Host Interface	40 Gbps external PCIe	
HDD Interface	SAS/SATA (3/6 Gbps)	
No. of Disk(s)	Up to 16	Up to 24
RAID Function	Depend on the HBA	
Slot Expansion	One PCIe x8 or two PCIe x4 configurable by users	Three PCIe x8 and four PCIe x4
LED Display for Each Tray	White - power-on indicator Blue - busy (HDD access) indicator Red - hard disk drive failure (if supported by HBA)	
LED Display for Enclosure	Power-on LED - white Fan normal - green; fan failure - red Temp. normal - green; temp. over 50°C - red	
Material	Heavy-duty cold-rolled steel housing	
Power Supply	mini-redundant 400 W PSU 100-240 V AC, 50/60 Hz universal	2 + 1 redundant 650 W PSU 100-240 V AC, 50/60 Hz universal
Cooling	Two 75x75x28 mm hot-swappable blowers	Two 75x75x28 mm hot-swappable blowers
Alarm	Buzzer beeping for fan failure or over temperature (over 50°C) occurs Red LED for hard disk drive failure on each tray (if supported by HBA)	
External Enclosure Management	Backplane supports SGPIO	
Dimension	559(D)×482(W)×131(H) mm 22(D)×19(W)×5.16(H) inch	559(D)×482(W)×176(H) mm 22(D)×19(W)×6.9(H) inch
O.S. Support	O.S. independent	