● NA322A

20G
20G
40G
40G

Raid HBA

PCI-e Host Adaptor

PCIe x8 external cable

PCI EXPRESS 40Gbps | RAID

2U 12 Bay PCIe RAID Subsystem

- » 40 Gbps PCIe ×8 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 RAID series, NA322A, is a high density 2U 12 bay rackmount RAID subsystem, coupled with 40 Gbps PCIe ×8, that connects to the computer, making it the best backup solution for data intensive applications. The PCIe RAID series allows users to choose a RAID core from various PCIe RAID HBAs. With this advantage, users are able to customize the RAID core with appropriate functionality and scalability to suit their workflow. Netstor received Best Choice of Computex Taipei 2008 Award because of the excellent performance and innovativeness from PCIe RAID series.

40Gbps

40 Gbps Host Connectivity

Netstor's PCIe RAID series allows PCIe bus from motherboard to be equipped with adapter cards with external PCIe ×8 data cable connected. PCIe ×8 delivers 40 Gbps data transfer rate, ten times faster the 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.

Validated SAS/SATA HBAs

	adaptec	areca	3ware
3G SAS/SATA	51245	ARC-1680ix-12	9650SE-12ML
6G SAS/SATA		ARC-1880ix-12	

Best Choice of Computex Taipei 2008 Award

The Best Choice competition was joined by 550 products. Many of them were from famous companies in IT industry. Only 39 products were selected as Best Choice by a group of experts from industry, government and academies. The PCIe RAID was awarded Best Choice for the following reasons:

- ● Innovative architecture that allows customers to use any standard internal SAS/SATA RAID controller card.
- ● Fastest external PCIe ×8 host interface with up to 40 Gbps data transfer rate (ten times faster the Fibre Channel solution).
- ● The leading solution to external storage products with high capacity and high speed performance.
- ● Excellent cost-effective external storage solution to enterprise level in the market.

Specifications

Model	NA322A
Form Factor	2U 12 bay
Host Interface	40 Gbps external PCIe
HDD Interface	SAS/SATA (3/6 Gbps)
No. of Disk(s)	Up to 12
RAID Function	Depend on the HBA
Slot Expansion	N/A
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 55℃ - red
Material	Heavy-duty cold-rolled steel housing
Power Supply	Single 400 W or mini-redundant 400 W PSU 100-240 V AC, 50/60 Hz universal
Cooling	Two 75×75×28 mm hot-swappable blowers
Alarm	Buzzer beeping for fan failure or over temperature (over 50℃) 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)×88.5(H) mm 22(D)×19(W)×3.5(H) inch
O.S. Support	O.S. independent

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CE FC RoHS Compliant