

Enhanced 8 Bay 2U Subsystem SCSI/Fibre to SATA RAID

- 30% to 40% increase in data performance
- RAID Levels 0, 1 (0+1), 3, 5, R30, R50
- Two Ultra320 SCSI Host Channels or
- Two 2Gb Fibre Host Channels
- RAID Storage Management S/W Included
- Outstanding Performance & High Reliability
- Greater Capacity - 2TB of Storage



Overview

The Sonic Enhanced series is Caen Engineering's advanced high density SATA RAID subsystems featuring the latest Ultra320 technology. The Sonic SATA RAID Enhanced line utilizes the Intel XScale i80321 600MHz, 64bit CPU to provide a cost effective, highly reliable, subsystem with improved I/O performance. With a 133MHz PCI-X interface the units achieve up to 1GB per second performance. The Sonic SATA RAID Enhanced subsystems support either Ultra320 SCSI or 2Gbps Fibre channel host connections and utilize cost-effective SATA drives which simplify the storage setup and management process making it ideal for small to mid-sized servers or workstations and various applications including data backup, media streaming, video on demand, CCTV etc.

Features

High-density slim enclosure supports up to 8 drives in 2U (5.25") height.

Built-in FC-Hub provides greater expansion capability without the need for a high cost External FC Hub or Switch.

Built-in FC By-Pass Module enables user to connect multiple SATA systems in a FC loop without the extra cost of an external FC Hub or Switch.

UART to LAN Module provides a TCP/IP based out-band management for your RAID systems. UART to LAN connects to the RAID system via a UART port and provides remote management functionalities to the subsystem over the networks via the Ethernet port. It also provides a local UART ports for users who need to manage the RAID via the text-mode console.

High-Quality Design The Sonic SATA 8P meets the industry safety standard. One of the product advantages is the aluminum device carrier. The aluminum construction allows for greater heat dissipation and emissions protection. Our complete cableless design utilizes solid PCB and connectors instead of cables to improve signal quality and system reliability.

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Sonic SATA 8P

Model Sonic 8P	U4	FC	FC w/ By-Pass Module
RAID Engine	Intel i80321 64bit RISC CPU		
RAID Levels	0, 1, 3, 5, 0+1, R30, R50		
Cache Support (Write back)	Up to 1Gb with ECC 200pin DDR Memory		
System Type	Rackmountable		
Host Interface	Dual Ultra320 SCSI Channels	Dual loop 2Gb Fibre Channels, Standard SFP connectors	Dual loop 2Gb Fibre Channels, Standard SFP connectors, In & Out w/ By-Pass Option
Host Transfer Rate	320MB / Sec per channel	2Gb/ Sec per loop	2Gb/ Sec per loop
Disk Interface	SATA 1.5Gbps		
Disk Channel	Eight SATA – 1.5Gb Disk Channels		
LCD Display	2 Lines by 16 Characters		
Hot Swap and Redundant	Yes (Power Supply, Drive & Fan)		
Hot Spare	Yes (Drive)		
Battery Back-up Module	Optional, Support up to 72hrs battery back-up time.		
UART-LAN	Optional, Windows - Based GUI RAID manager designed for SCSI/FC host based RAID solutions. The OS – independent, cross-platform RAID management allows configuration and status monitoring via standard web browsers or host computers directly connected to a LAN or WAN		
Array Management Support	Yes		
Auto Bad Sector & Error Recovery	Yes		
Auto Drive Rebuilds	Yes, Automatic Data Rebuilds		
Audible Alarm, Pager & Fax Notification	Yes, the Pager and Fax Notification must connect to an external modem		
Remote Terminal Configuration	Yes. Through RS-232 terminal emulation		
Operating Systems	O/S Independent and Transparent		
Power Supply	700 + 350 watt Redundant high quality power system, three 350 watt modules with PFC function. Load sharing type and cableless design.		
Electrical	AC Voltage 100 – 240 VAC Ac Frequency 47 – 63Hz		
Temperature	Operating Temp.: 5 to 45 degree C * Non-Operating Temp.: -40 to 60 degree C		
Relative Humidity	20% to 80% non-condensing		
Dimensions	17.5" (W) x 21.5" (D) x 2U (H)		
Weight	42 lbs		

Models

RS108U4-001
RS108F2-001
RS108F2-002

8 bay, Dual channel, Ultra320 SCSI to SATA RAID Subsystem
 8 bay, Dual Loop, 2Gb FC-AL to SATA RAID Subsystem
 8 bay, Dual Loop, 2Gb FC-AL to SATA RAID Subsystem w/ By-Pass Module

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