

Arena 4340 SATA II RAID Solution

Better performance and reliability

Arena launches the latest RAID System, SA-4340, for SMB to mid end storage market demands. Latest SATA II disk interface and upgraded CPU speed up data operation rate. Innovative RAID Level TP enables advanced data protection function. The high scalable, high performance, and high reliability features make it the ideal choice for high data available storage demands.

Product Highlights

- Dual Flash ROM on each controller
- SCSI U320 host interface
- Support up to 4TB capacity by using 8 SATA II drives
- RAID Levels : JBOD, 0, 1, 0+1, 3, 5, 30, 50, 6, TP, NRAID
- No operating downtime and easy maintenance with:
 - Redundant, hot-swappable components
 - Modular architecture design
- User Friendly, web browser-based RAID management interface
- Event notification through e-mail or SNMP
- RoHS complaint system



FEATURES AND BENEFITS

Innovative Data Protection

- Advanced **RAID TP** function allows up to 3 HDDs failed during system operation time.

Increased Firmware Protection

- **Dual Flash ROM** on-board, embedded flash auto-backup function, supports higher system availability during firmware upgrading or single ROM failure.

Extreme Performance

- **SCSI U320 320MBps** host-transferring-speed with upgraded Intel i80331 CPU which delivers high performance for heavy duty storage applications.

Smart I/O Path Management

- Just simple double-click installation, host-based **PathGuard Software** enables **end-to-end I/O path failover & fallback function** and **dynamic I/O load balancing** function to improve operation efficiency.

User-friendly Management

- Front Panel LCD and Buttons, **SMARTCor. Functions**, and web browser-based GUI make RAID functions set up and managed in an easier way.



Technical Specifications

Host Channel	
Model No.	SA-4340S
Host Interface	U320 SCSI
Data Transfer Rate	Up to 320MBps
ID Assignment	0 - 15
Host Channel No.	2
External Connector Type	HPD x 4
Daisy Chain	SCSI Daisy Chain

Hardware	
Controller CPU	Intel i8033 I
Cache Memory	256-2048MB DDR RAM
Disk Interface	SATA II
Disk Channel No.	8
Hot Swap Disk Tray	8 x 3.5" swappable trays
Hot Swap Power Supply	300W x 2 redundant
AC Input Voltage	100 to 240V(+/- 10%), 47 to 63 Hz
Battery Backup	Yes (optional)
Hot Swap Fan Module	2

RAID Functions	
RAID Levels	JBOD, 0, 1, 3, 5, 6, 10, 30, 50, TP, NRAID
Data Rebuild	Automatic data regeneration
RAID Features	Global Hot Spare, Multiple Host ID, Multiple RAID Sets and Multiple Slices, Background Initialization, AV Streaming (*1)
PathGuard Software	Multiple paths to each device. End-to-end I/O path failover and failback. Dynamic I/O load balancing.
Advanced Data Reliability Assurance	SMARTCor. Function (DST, DS, DC) (*2)
Online Expansion	Yes

*1. AV Streaming feature is special for video editing application demands.

*2. SMARTCor. Functions include Disk Self Test (DST), Disk Scrubbing (DS) and Disk Cloning (DC).

RAID Management	
Front Panel LCD and Buttons	Easy access for configuration and status report
RS-232 Terminal	User friendly interface for configuration and status report
Management AP	Embedded Ethernet connection, web browser-based management GUI for configuration and status monitoring
Event Notification	LCD indicator, Built-in buzzer, e-mail or SNMP (*3)

*3. Notification through e-mail or SNMP is supported by web browser-based GUI.

Environment Specification		Dimension and Weight	
Humidity	20% to 80% non-condensing	Physical Dimension	485 (W) x 470 (D) x 88 (H) mm 19.09 (W) x 18.50 (D) x 3.46 (H) inches
Operating Temperature	5°C to 40°C 41°F to 104°F	Physical Weight	16 kgs (w/o drives) 35.56 lb (w/o drives)
Non-operating Temperature	-25°C to 60°C -13°F to 140°F	Packed Dimension	610 (W) x 800 (D) x 280 (H) mm 24.02 (W) x 31.50 (D) x 11.02 (H) inches
Safety Regulatory	UL, CUL, CB	Packed Weight	23 kgs (w/o drives) 51.11 lb (w/o drives)
EMC Standard	FCC, CE, C-Tick, BSMI		

* Specifications subject to change without notice.

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