

Arena
The Disk Array
Specialist

Arena 4540/4541 SATA II RAID Solutions

Better performance and reliability

Arena launches extended RAID System, SA-4540 / SA-4541, for mid-to-high end storage markets. Latest SATA II disk interface and upgraded CPU speed up data operation rate. The scalable, high performance, and high reliability features make it the ideal choice for DAS, SAN or clustering configurations.

Product Highlights

- SCSI U320/2Gb FC host interface.
- Supports up to 12 SATA II drives.
- Up to 2GB cache memory.
- 2U rackmount, high density design
- No operating downtime and easy maintenance with:
 - Redundant, hot-swappable components
 - Modular architecture design
- User-friendly, web browser-based RAID management GUI
- Event notification through e-mail or SNMP



FEATURES AND BENEFITS

Higher Data Protection

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

Smart I/O Path Management

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

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 or 2Gb FC** host-transferring-speed with upgraded **Intel i8033 I CPU** which delivers high-performance for heavy-duty business applications.

Total Satisfaction

- Various **RAID Levels JBOD, 0, 1, 3, 5, 10, 30, 50, 6, TP or NRAID** that fulfills multiple data-redundancy requirements.



Technical Specifications

Host Channel		
Model No.	SA-4540S	SA-4541S
Host Interface	U320 SCSI	2Gb FC
Data Transfer Rate	Up to 320Mbps	Up to 2Gbps
ID Assignment	0 ~ 15	0 ~ 127
Host Channel No.	2	2
External Connector Type	VHDCI x 4	SFP x 4 (*1)
Daisy Chain	SCSI Daisy Chain	FC Port-by-pass circuit (Hub embedded module)

* 1. SFP transceiver is not included.

Hardware	
Controller CPU	Intel i80331 (667MHz)
Cache Memory	512-2048MB DDR RAM
Disk Interface	SATA II
Disk Channel No.	12
Hot Swap Disk Tray	12 x 3.5" swappable trays
Hot Swap Power Supply	350W x 2 Redundant
AC Input Voltage	100 to 240V(+/- 10%), 47 to 63 Hz
Battery Backup	Yes (optional)
Hot Swap Fan Module	2 x Turbo Fan (3,600 rpm)

RAID Functions	
RAID Levels	JBOD, 0, 1, 3, 5, 10, 30, 50, 6, TP, NRAID
RAID Sets	Max. 8
Data Rebuild	Automatic data regeneration
RAID Features	Global Hot Spares, Multiple Host ID, Multiple RAID Sets and Multiple Slices, Background Initialization, AV Streaming (*2), Array Roaming
Advanced Data Reliability Assurance	SMARTCor. Function (DST, DS, DC) (*3)
Online Expansion	Yes

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

* 3. 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
Event Notification	LCD indicator, Build-in buzzer, or e-mail or SNMP (*4)

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

Management AP	
GUI	Embedded Ethernet connection, web browser-based management GUI for configuration and status monitoring
PathGuard Software	Multiple paths to each device End-to-end I/O path failover and failback Dynamic I/O load balancing

Environment Specification	
Humidity	10% to 85% non-condensing
Operating Temperature	5°C to 40°C 41°F to 104°F
Non-operating Temperature	-25°C to 60°C -13°F to 140°F
Safety Regulatory	UL, CUL, CB
EMC Standard	FCC, CE, C-Tick, BSMI

Dimension and Weight	
Physical Dimension	485(W) x 565(D) x 88(H) mm 19.09(W)x22.24(D) x 3.46(H)inches
Physical Weight	19 Kgs (without drives) 41.89lb (without drives)
Packed Dimension	610(W) x 790(D) x 430(H) mm 24.02(W)x31.10(D) x 16.93(H)inches
Packed Weight	28 Kgs (without drives) 61.73 lb (without drives)

* Specifications and product offerings may vary without notice.

* Various trademarks belong to their respective owners.



Headquarters

MaxTronic International Co., Ltd.
<http://www.maxtronic.com.tw>

U.S.A Office
<http://www.maxtronic.com>

China Office(Beijing)
<http://www.maxtronic.com.cn>