

# R3163SAFA Serial ATA RAID Storage System

- ▶ Dual SCSI or F/C Interface
- ▶ Fast Serial ATA II Drives
- ▶ 16 Hot Swap Disks
- ▶ Hot Swap Power Supplies
- ▶ Up to 6TB of Storage in just 3U
- ▶ Advanced Data Guarding Technology (RAID ADG)



## Features

- ▶ Supports RAID levels 0, 1, 0+1, 3, 5 and 6
- ▶ Dual U320 SCSI host ports or 2Gb Optical Fibre host ports with clustering support
- ▶ Supports 16xSATA II Hard Drives in hot swap carriers
- ▶ Redundant load sharing hot-swappable power supplies with separate power cords
- ▶ High quality advanced cooling fans
- ▶ Supports hot spare drive and automatic hot rebuild
- ▶ Industry standard 19" rack-mountable Aluminium 3U chassis
- ▶ Transparent data protection for all popular operating systems
- ▶ Tagged command queuing for 256 commands, allows for overlapping data streams
- ▶ Allows online capacity expansion within the enclosure
- ▶ Supports multiple array enclosures per host

## RAID Management

- ▶ Smart function LCD front panel
- ▶ Environmental Monitoring Unit
- ▶ Browser Based GUI Management utility
- ▶ Real time drive activity and status indicators
- ▶ Built in serial port for remote event notification

## Overview

Purpose built for high volume, fail-safe data storage applications, the R3163 sets new standards in its class. This industry standard 19" rack-mountable 3U chassis RAID subsystem features 16 hot swappable hard disk drive trays to give a storage capacity of up to 6 Terabytes (with 16x 400GB drives). For mission critical applications requiring aggressive performance, total reliability and system scalability, the R3163 is the obvious solution.

Advanced Drive Guard technology (RAID ADG) provides the highest level of data protection. RAID ADG can tolerate multiple simultaneous drive failures without down time or data loss. In RAID 6 the system can have two drives fail without data loss.

System reliability is ensured by an environmental monitoring unit that tracks the enclosure temperature, as well as individual disk temperatures. Three hot swappable redundant power supplies with separate power cords are continuously monitored and high quality advanced cooling modules provide an optimal environment for high RPM drives.

With a menu driven front panel display, real time drive status indicators and a Java-based browser GUI interface, and built in RLINK SNMP Ethernet management module, the R3163 offers a variety of options for monitoring and management.



Model	R3163 SA	R3163 FA
Hard Drives	Serial ATA or SATA II	Serial ATA or SATA II
Form-factor	3U 19-inch rack-mount	3U 19-inch rack-mount
RAID processor	Intel 80321 64 bit RISC	Intel 80321 64 bit RISC
RAID level	0,1,0+1,3,5,6, JBOD	0,1,0+1,3,5,6, JBOD
Cache memory	128MB to 1024MB	128MB to 1024MB
Host bus interface	Dual SCSI Ultra 320 LVD	Dual FC-AL 2GB Optical
Disk interface	SATA II x 16	SATA II x 16
Data transfer rate	Up to 320MB / Sec	Up to 200MB / Sec
Back plane board	S-ATA II	S-ATA II
Hot-swap drives	16 x 1 inch trays	16 x 1 inch trays
Hot swap supplies	3 x 300W	3 x 300W
Tagged command queuing	Up to 256 commands	Up to 256 commands
Cooling fans	2 (blower)	2 (blower)
Batter backup	option	option
Audible alarm	Yes	Yes
Failed drive indicators	Yes	Yes
Failed drive auto rebuild	Yes	Yes
On-line consistency check	Yes	Yes
Continuous rebuild	Yes	Yes
On-line expansion	Yes	Yes
RLINK SNMP Support	Yes	Yes
New disk auto spare	Yes	Yes
Environment monitor	Yes	Yes
Power requirements	AC 90V ~ 254V Full Range 12A /6A. 50HZ / 60HZ	AC 90V ~ 254V Full Range 12A/6A. 50HZ / 60HZ
Relative Humidity:	10% to 85% Non-condensing	10% to 85% Non-condensing
Operating Temp:	10°C to 50°C	10°C to 50°C
Non – operating Temp:	-20°C to 60°C	-20°C to 60°C
Dimensions	133 (H) x 482 (W) x 609(D) mm	133 (H) x 482 (W) x 609(D) mm
Weight	20.5k (without drives)	20.5kg (without drives)

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notice

