

RAIDFLEX™ 7000R Series FC / SAS REDUNDANT RAID



The **RAIDFLEX™ 7000R** Series RAID systems feature both 4Gb Fibre Channel or 3Gb SAS host interfaces, and with unified SAS backplanes, they accept both SAS and / or SATA-II disks.

A dedicated SAS channel between the dual Active-Active controllers and dual embedded flash ROM auto-backup ensures high system availability while upgrading firmware. These systems are highly reliable and cost-effective, and the comprehensive management features make these enterprise-class storage systems.

The 77424z3-rc and 77424f4-rc are readily devoted to help to expand the horizon of the current and future storage markets in IO-intensive relational database transactions, heavy-duty engineering computing, sophisticated work flow processing and media broadcasting.

Benefits

- Relational Databases
- Enterprise Storage
- Disk-to-Disk Backup
- Audio / Video Editing
- Security and Surveillance
- Disaster Recovery
- Video Editing
- VOD for Education or Entertainment
- Fixed Content Archiving

Features

- Dual Active-Active RAID controllers
- SAS and / or SATA-II disks
- 24-bay 4U 19" rackmount
- 12Gbit SAS and 4Gbit FC host options
- Expandable up to 120 drives
- RAID levels 0, 1, 3, 5, 6, 10, 30, 50, 60
- Non-interruptive firmware upgrade
- Supports Windows VDS and MPIO
- Advanced centralised management GUI



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Expanding Data Storage Solutions

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Specification Overview		
	3Gb SAS	4Gb Fibre Channel
Models	SAS / SATA-II	SAS / SATA-II
Designation	Dpz3-77424z3-rc	DPz3-77424f4-rc
General		
Capacity (up to)	24 TB (SATA-II) / 10.8 TB (SAS)	24 TB (SATA-II) / 10.8 TB (SAS)
Operating Systems	Platform Independent	Platform Independent
Power	100-240V (+/-10%), 47-63Hz	100-240V (+/-10%), 47-63Hz
Connections		
Host Channels	4 x Mini SAS (two ports per controller)	4x 4Gb FC (2 ports per channel)
JBOD Expansion Ports	Yes	Yes
Ports	1x Serial (RS232C) firmware management 1x Fast Ethernet (RJ45) Java GUI	1x Serial (RS232C) firmware management 1x Fast Ethernet (RJ45) Java GUI
Drive Channels	24 SAS / SATA-II	24 SAS / SATA-II
RAID Controller		
No. of Controllers	2x	2x
Processor	Intel SRL 80348	Intel SRL 80348
Memory	1GB, up to 4GB DDR2 RAM	1GB, up to 4GB DDR2 RAM
BBU	Optional	Optional
RAID levels	0, 1, 3, 5, 6, 10, 30, 50, 60, NRAID, JBOD	0, 1, 3, 5, 6, 10, 30, 50, 60, NRAID, JBOD
RAID features	Multiple RAID levels and strip sizes. Local and global hot spares. Online background initialisation. Online RAID level and stripe migration. Online disk group defragmentation for space consolidation. Online capacity expansion and reduction. Online disk traveling and array roaming. Online array recovery. SMARTCor Function (DST, DS, DC).	
Hot Swap Components		
Hot swap trays	24 SAS / SATA-II	24 SAS / SATA-II
Power Supplies	2 x 350 W redundant	2 x 350 W redundant
Cooling Fans	4 x Turbo Fan	4 x Turbo Fan
Management		
RAIDGuard Central	Storage of complete event log records Convenient event log export Instant event notification via MSN Multiple platform support	
PathGuard Software	Multiple paths to each device End-to-End IO path failover and back Dynamic IO load balancing	
Monitoring Messaging	Buzzer, email, SNMP, downloadable event records	
Front Panel LCD and Buttons	Easy access for configuration and status report	
RS-232 Terminal	Command Line Interface for configuration and status report	
	Embedded Ethernet, web browser GUI for management and monitoring	
Physical		
Dimensions (WxDxH) in mm	485 x 565x176	485 x 565x176
Weight (unpacked, w/o drives)	34Kg	34Kg
Environmental		
Temperature	Operating 5°C-40°C Non-operating -25°C-60°C	Operating 5°C-40°C, Non-operating 25°C--60°C
Humidity	10-80%, non-condensing	10-80%, non-condensing
Altitude	Operating 0-10000ft Non-operating 0-20000ft	Operating 0-10000ft Non-operating 0-20000ft
Designed to meet		
Quality standard	ISO9001	ISO9001
Health and Safety	UL, CUL, CB	UL, CUL, CB
EMC	FCC, CE, C-Tick, BSMI	FCC, CE, C-Tick, BSMI