

RAIDFLEX™ 7000 Series FC / SAS RAID



The **RAIDFLEX™ 7000** Series RAID systems feature both 4Gb Fibre Channel or 3Gb SAS host interfaces. Systems with the unified SAS backplane accept SAS and / or SATA-II disks, while those systems with the SATA-II backplane accommodate just SATA-II disks.

Compact 2U 12-bay and 3U-16 bay chassis systems feature modularised hot-swappable power supplies and fans, situated at the rear of the enclosure to facilitate easy removal.

A CGI-based web GUI facilitates operating system and hardware independent remote system configuration and monitoring.

Mini-SATA expansion ports enable up to three of the the **RAIDFLEX 7000** Series JBOD expansion units unit to be cascaded, expanding the total storage capacity without the cost of another independent RAID controller, greatly reduce costs.

Applications

- Security and Surveillance
- Transactional Processing
- Broadcast Applications
- Video on Demand
- Storage Area Network
- Fixed Content Archiving

Features

- Unified SAS / SATA-II or SATA-II disks
- 2U 12-bay and 3U 16-bay
- 12Gbit SAS and 4Gbit FC host options
- Expansion with up to 3 x JBOD units
- RAID levels 0, 1, 3, 5, 6, 10, 30, 50, 60, NRAID and JBOD
- Hot-swap drives, PSU's and fans
- Up to 4GB of cache



RAIDFLEX™ 7000 Series

FC / SAS RAID



Specification Overview				
	3Gb SAS		4Gb Fibre Channel	
Models	SAS / SATA-II	SATA-II	SAS / SATA-II	SATA-II
2U 12-bay	DPz3-77212z3-sc	DPS2-77212z3-sc	DPz3-77212f4-sc	DPS2-77212f4-sc
3U 16-bay	DPz3-77316z3-sc	DPS2-77316z3-sc	DPz3-77316f4-sc	DPS2-77316f4-sc
General				
Capacity (up to)	3U 16 bay: 16 TB / 2U 12-bay: 12TB		3U 16 bay: 16 TB / 2U 12-bay: 12TB	
Operating Systems	Platform Independent		Platform Independent	
Power	100-240V (+/-10%), 47-63Hz		100-240V (+/-10%), 47-63Hz	
Connections				
Host Channels	Mini SAS (2x 3Gb SAS (x4) Exp. port)		2x 4Gb FC (1 port per channel)	
Expansion Port	Mini SAS (1x 3Gb SAS (x4) Exp. port)		Mini SAS (1x 3Gb SAS (x4) Exp. port)	
Ports	1x Serial (RS232C) firmware management 1x Serial (RS232C) UPS Monitor 1x Fast Ethernet (RJ45) Java GUI		1x Serial (RS232C) firmware management 1x Serial (RS232C) UPS Monitor 1x Fast Ethernet (RJ45) Java GUI	
Drive Channels	16 / 12 SAS		16 / 12 SAS	
RAID Controller				
No. of Controllers	1x		1x	
Processor	AMCC PPC 440SP		AMCC PPC 440SP	
Memory	Up to 2GB DDR2 RAM		Up to 2GB 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 sets	Max 16 / 12		Max 16 / 12	
RAID features	Innovative new array structure, on-line expansion and defragmentation of disk groups, online expansion and shrinking of logical disks, JBOD expansion, web-based GUI, RAID6, array recovery utility, array roaming utility, performance monitoring, event monitoring, task management, selective initialisation & rebuild, parity regeneration, PathGuard MPIO, RW optimisation, dual flash ROM, disk self test, disk scrubbing, disk clone, >2TB, background initialisation, BBU.			
Hot swap trays	16 / 12 SAS		16 / 12 SAS	
Hot swap trays	16 / 12 SAS		16 / 12 SAS	
Power Supplies	2 x 460 W redundant		2 x 460 W redundant	
Cooling Fans	2 x Turbo Fan		2 x Turbo Fan	
Management				
Software	Out of band GUI via Ethernet Firmware tools via terminal port		Out of band GUI via Ethernet Firmware tools via terminal port	
Monitoring Messaging	Buzzer, email, SNMP		Buzzer, email, SNMP	
Physical				
Dimensions (WxDxH) in mm	3U: 485x574x132	2U: 485x555x88	3U: 485x574x132	2U: 485x555x88
Weight (unpacked, w/o drives)	3U: 24Kg	2U: 19Kg	3U: 24Kg	2U: 19Kg
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	10~85%, non-condensing		10~85%, 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	