

# RAIDFLEX™ 47x08 Series SATA-II RAID



The **RAIDFLEX 47x08** Series RAID systems provide the ideal balance of performance, capacity and and cost for businesses or departments which require compact and cost efficient RAID systems. They feature eight hot swappable SATA-II disk drives and hot swappable, modular power supplies and fans which can be easily removed from the rear of the system, and are available with a choice of entry level host interfaces in either rack-mount or desk-side tower form.

The **RAIDFLEX 47x08e1** features a single channel eSATA host bus with a transfer rate of up to 3Gbit/s offering high performance. Where no eSATA connector is available one may be routed simply and cheaply from an internal SATA connector.

The **RAIDFLEX 47x08pe** features the innovative Extended PCIe host interface with a transfer rate of up to 10Gbit/s, offering exceptional performance. It is supplied with the extender card and cable, so there is no need to buy an expensive HBA.

## Applications

- SMC Operational Storage
- 3D Rendering
- Digital Film
- Video Editing
- CCTV
- Disk-to-Disk backup

## Features

- 8 drives (8TB using 1TB SATA-II drives)
- 2U 19" rack-mount or desktop tower
- RAID levels 0, 1, (0+1), 3, 5, JBOD
- RAID 6 (RAIDFLEX 47x08pe)
- Management via embedded web server
- Hot swap drives, fans and PSU's



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## Expanding Data Storage Solutions

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# RAIDFLEX™ 47x08 Series

## SATA-II RAID



Specification Overview		
	eSATA	PCI Express
<b>Models</b>		
Designation	47208e1 – 2U rack-mount 47T08e1 – tower	47208pe – 2U rackmount 47T08pe – tower
<b>General</b>		
Capacity (up to)	8 TB	8 TB
Operating Systems	Platform Independent	Platform Independent
Power	100/240 VAC, 47/63 Hz.	100/240 VAC, 47/63 Hz.
<b>Connections</b>		
Host Channels	1CH x eSATA (up to 3Gbit/s)	1CH x PCI-e x4 (up to 10Gbit/s)
Ports	1x Serial (RS232C)	1x Serial (RS232), 1x RJ45 Ethernet port
Drive Channels	8x SATA-II	8x SATA-II
Hot swap trays	8x SATA-II	8x SATA-II
<b>RAID Controller</b>		
No. of Controllers	1x	1x
Processor	Intel i80219 RISC Microprocessor Industry Standard DDR Memory	Intel i80333 RISC Microprocessor Industry Standard DDR Memory
RAID levels	NRAID, 0, 10, 3, 5	JBOD, 0, 0+1, 5, 6
Memory	256 MB Standard, upgradeable to 1 GB	256 MB Standard, upgradeable to 1 GB
RAID features	Global hot spare, Background Initialization, Variable stripe size, On-line expansion, Array roaming	Global hot spare, Background Initialization, Variable stripe size, On-line expansion, Array roaming
Data rebuild	Automatic Data Regeneration	Automatic Data Regeneration
Data Reliability Assurance	SMARTCor. Functions (DST, DS, DC)	SMARTCor. Functions (DST, DS, DC)
Online Expansion	Yes	Yes
<b>Hot Swap Components</b>		
Power Supplies	2x Dual independent 300 watt PSU's	2x Dual independent 300 watt PSU's
Cooling Fans	2x Rear fan modules	2x Rear fan modules
<b>Management</b>		
Web browser GUI	Out/in band management GUI for configuration and status monitoring	Out/in band management GUI for configuration and status monitoring
RS232 Terminal	Configuration and status	Configuration and status
Monitoring Messaging	Built-in buzzer, e-mail, LCD indicator	Built-in buzzer, e-mail, LCD indicator
<b>Physical</b>		
Dimensions (WxDxH) in mm	Rack-mount: 485 x 470 x 88 (mm) Tower: 405 x 175 x 315 (mm)	Rackmount: 485 x 470 x 88 (mm) Tower: 405 x 175 x 315 (mm)
Weight (unpacked, w/o drives)	16kg	16kg
<b>Environmental</b>		
Temperature	Operating 5°C to 40°C Non operating -25°C to 60°C	Operating 5°C to 40°C Non operating -25°C to 60°C
Humidity	10~85%, non-condensing	10~85%, non-condensing
Altitude	Operating 0 – 10000ft Non-operating 0 – 15000ft	Operating 0 – 10000ft Non-operating 0 – 15000ft
<b>Designed to meet</b>		
Quality standard	ISO9001	ISO9001
Health and Safety	UL1950, EN60950, CSA950	UL1950, EN60950, CSA950
EMC	FCC part 15 classA, EN55022, EN61000 and EN55029, formally CE marked and conforms to EEC directive 89/338	FCC part 15 classA, EN55022, EN61000 and EN55029, formally CE marked and conforms to EEC directive 89/338
RoHS compliant	Yes	Yes

