

RAIDFLEX™ 7000 Series JBOD Expansion



JBOD expansion will increase the capacity of the **RAIDFLEX™ 7000** RAID systems. Each RAID can cascade up to three JBOD units, offering high scalability with a user-friendly management interface, making it the best choice for fault tolerance, performance driven solutions.

The 16 bay chassis accommodates either SAS or SATA disks and features modularised and hot-swappable power supplies and fans. The benefits the **RAIDFLEX™ 7000** JBOD expansion are:

Extreme Performance: two up stream and two down stream cascading SAS channels deliver high performance for heavy duty business applications.

Effective Management: through several LED signals that include PSU, fan temperature, HDD and I/O action, and the user friendly embedded web management GUI.

Future proofing: each RAID system may be expanded with up to three JBOD units.

Also available as part of the **RAIDFLEX™ 7000** family are iSCSI, 4Gb Fibre Channel, U320 SCSI and SAS host based systems (see other data sheets).



Features

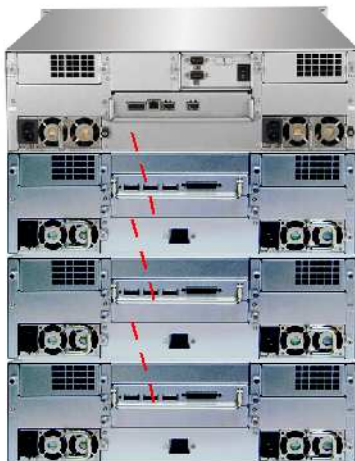
- 16 drives (16TB using 1TB SATA drives)
- SAS/SATA-11 and SATA-11 drive options
- 3GBit SAS interface
- Cascade expansion of SAS & SATA RAID
- Hot-swap drives, PSU's and fans
- No downtime when expanding
- User friendly web management GUI

RAIDFLEX™ 7000 Series JBOD Expansion



Specification Overview		
	SATA JBOD	SAS JBOD
Models		
Designation	DPs2-77316z3-sj	DPz3-77316z3-sj
General		
Capacity (up to)	16 bay – 16 TB	16 bay – 16 TB
Operating Systems	Platform Independent	Platform Independent
Power	100-240V (+/-10%), 47 – 63Hz	100-240V (+/-10%), 47 – 63Hz
Connections		
Host Channels	Mini SAS (Two 3Gb SAS wide (x4) ports)	Mini SAS (Two 3Gb SAS wide (x4) ports)
Expansion Port	Mini SAS (One 3Gb SAS wide (x4) ports)	Mini SAS (One 3Gb SAS wide (x4) ports)
Drive Channels	16 SATA-II	16 SAS
RAID Controller		
No. of Controllers	1x	1x
Data Transfer Rate	Up to 1.2 GB/s per port	Up to 1.2 GB/s per port
Hot Swap Components		
Hot swap trays	16 SATA-II	16 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	Front Panel LED	Front Panel LED
Physical		
Dimensions (WxDxH) in mm	447 x 574 x 132	
Weight (unpacked, w/o drives)	16bay – 24Kg	
Environmental		
Temperature	Operating 5°C to 40°C, Non-operating -25°C to 60°C	
Humidity	10-85%, non-condensing	
Altitude	Operating 0–10000ft, Non-operating 0–20000ft	
Designed to meet		
Quality standard	ISO9001	
Health and Safety	UL, CUL, CB	
EMC	FCC, CE, C-Tick, BSMI	

Cascading JBOD units to a RAID System



An external SAS cable runs from the mini-SAS output port on one system to the mini-SAS input port on the next, allowing up to three JBOD units to be cascaded (64 disks in total)

The following RAID systems may be expanded:

- DPz3-77316f4-sc (3U, 16bay FC-SAS/SATA-II)
- DPz3-77212f4-sc (2U, 12bay FC-SAS/SATA-II)
- DPs2-77316f4-sc (3U, 16bay FC-SATA-II)
- DPs2-77212f4-sc (2U, 12bay FC-SATA-II)
- DPs2-77316z3-sc (3U, 16bay SAS-SAS/SATA-II)
- DPs2-77212z3-sc (2U, 12bay SAS-SAS/SATA-II)
- DPz3-77316z3-sc (3U, 16bay SAS-SAS)
- DPz3-77212z3-sc (2U, 12bay SAS-SAS)