

# RAIDFLEX™ B6448 Tandem SAS JBOD Expansion



The **RAIDFLEX B6448** SAS JBOD unit provides dual-density 48-drive storage in 19" rack mountable 4U form factor enclosures using 24 tandem disk bays and supports up to 48TB per enclosure. It may be daisy chained to the maximum possible disk count for the host HBA or RAID controller being used. RAID volumes of up to 24 drives may be configured across either bank of disks, and with dual IO ports per expander, two hosts may be directly attached.

The **RAIDFLEX B6448** is the most compact 48-disk unit currently available in terms of rack space, and importantly, at just 610mm or 24 inches depth, does not require deep racks. It also offers the most economical mass storage of its class available, and the arrangement of two banks of horizontal disk drives lends itself to more economical cooling and lower power consumption than the alternative arrangement of three banks of vertical drives, where the complete unit needs to be slid out of the rack to perform maintenance tasks such as exchanging disks.

## APPLICATIONS

- Directly Attached Storage
- PCIe RAID
- Software RAID
- Clustered Storage

## FEATURES

- 48 SAS and / or SATA tandem drives
- 4U 19" rackmount, 24" depth
- Single or dual SAS expanders
- 2x Wide SAS ports (12Gb/s)
- Ethernet & Serial management ports
- Hot-swap redundant power supply
- LSI RAID / HBA approved
- I2C Monitoring



**B6448-sj:** 2U, 12-bay, single SAS expander  
**B6448-sj:** 3U, 16-bay, dual SAS expander



Rear View



SAS Expander



Tandem Caddy



Active Network Systems Ltd  
Coneygear House  
5 Coneygear Road  
Huntingdon PE29 1QL

**Expanding Data Storage Solutions**

B6448 datasheet 1003

Tel: 01480 437997  
Fax: 01480 436031  
sales@ans-ltd.co.uk  
www.ans-ltd.co.uk

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FEATURES	DESCRIPTION	6448-sj	6448-rj
<b>GENERAL</b>			
<b>Number of IO Modules</b>		Single	Dual
<b>Host Interface per IO Module</b>	Mini SAS 4x Connector		Single
<b>Expansion Interface per IO Module</b>	Mini SAS 4x Connector		Single (or used as Host)
<b>Transfer Speed</b>	1,200MBps / Connector		Yes
<b>DRIVES</b>			
<b>Drive Interface</b>	3Gb dual ported SAS		Yes
<b>Dual Ported SATA Support</b>	Optional Interposers		Yes
<b>Drive RPM</b>			Up to 15,000 rpm
<b>Form Factor</b>			3.5", 1" high
<b>ADMINISTRATION / MANAGEMENT</b>			
<b>Admin / Firmware Upgrade</b>	In-band & Out-of-band	Web Interface, Serial & Ethernet Port	
<b>LED Indicators</b>			Yes
<b>HOT SWAP &amp; REDUNDANCY</b>			
<b>IO Module</b>	Failover		Yes
<b>Disk Drive</b>	Hot-Swap		24-bay (48 drives)
<b>Cooling</b>	Hot-swap, Redundant	3 + 1 (Integrated with PSUs)	
<b>Power Supplies</b>	Redundant	3 + 1, 500W	
<b>Power Entry</b>	Individual AC Inlets		Yes
<b>ELECTRICAL &amp; ENVIRONMENTAL</b>			
<b>Universal AC input</b>		100-240V AC Full Range	
<b>Operating Environment</b>		Temperature 5C to 35C, Relative Humidity 20% to 80%	
<b>Non-Operating Environment</b>		Temperature -20C to 60C, Relative Humidity 10% to 90%	
<b>PHYSICAL DIMENSIONS</b>			
<b>Height</b>		190mm	
<b>Width</b>		483mm	
<b>Depth</b>		610mm	
<b>Weight excluding disks</b>		35kg	
<b>AGENCY</b>			
<b>Emmissions &amp; Safety</b>		FCC, CE, UL, CR	
<b>Quality</b>		ISO9001	