



# XJ 2000 SAS/SATA JBOD Series

Ultra-Density 4U 48-drive SAS/SATA JBOD  

XJ-SA24-448R is designed to provide a ultra-density 48-drive enclosure in a 4U form factor and at per/drive price points substantially better than standard single density enclosures. It supports up to 24TB of storage capacity at 48Gbps host bandwidth across dual hot-swappable expander modules.

XJ-SA24-448R supports SAS and SATA drive tiers. The dual density two-drive carrier provides front access hot swap insertion and removal of the disk drives and allows a compact high-density footprint. It is an ideal platform for SAN and NAS applications that require high density and high performance online storage and network infrastructure support.

## Features Overview

### ▲ 48 Drive High Density Enclosure in 4U

- Universal backplane supports SAS/ SATA
- Front Accessible Hot Swap Carriers
- Dual Channel SAS
- Single channel SATA
- Optional Dual Channel SATA

### ▲ 48 Gb Host Bandwidth Across Dual Expanders

- Flexible Expander Connectivity
- 2x wide SAS ports (12Gbit/sec) channels OR
- 1x wide SAS (12Gbit/sec) + 4x single (3Gbit/sec) OR
- 8x single SAS (3Gbit/sec) channels

### ▲ Cool By Design™

- 90% Efficient Single Rail PSU
- Point of Load Power Generation
- Software Controlled Regulation of Variable Speed Fans
- Low Heat Dissipation/ BTU Rating

### ▲ Cableless Design for Maximum Reliability

### ▲ Hot Swap Integrated Power Supplies and Fans

- N+1 Single Rail High Efficiency PSU
- Low Noise Auto-regulating Fans
- Integrated I2C monitor of Voltage, Current, Temperature, Fan Speed and AC-Fail
- I2C Monitor is independent of AC Supply

### ▲ Compact 24" Depth

- ▲ High Quality ISO 9000 & ROHS compliant Design
- ▲ Ethernet & Serial Management Ports
- ▲ Tri-Color LED Indicators



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[www.xtore.com](http://www.xtore.com)

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Front access 48 hard drives in 4U form factor



Rear access expander modules and power supply modules



Dual-Drive Carrier with LEDs indicators for power, activity and failure



Expander with dual mini SAS 4x, Ethernet port and Serial Console per module



Cableless & hot-swappable fan & power supply module

| Features                              | Description                            | XJ-SA12-448R-x *  | XJ-SA24-448R-x |
|---------------------------------------|--|---|----------------|
| <b>GENERAL</b>                        |  |   |                |
| Number of IO Modules                  |  | Single  | Dual           |
| Host Interface per IO Module          | Mini SAS 4x connector                  | Single  |                |
| Expansion Interface per IO Module     | Mini SAS 4x connector                  | Single (or used as Host)                                |                |
| Transfer speed                        | 1,200MB/s per connector                | yes   |                |
| <b>DRIVES</b>                         |  |   |                |
| Drive Interface                       | 3Gb dual ported SAS,<br>1.5/3.0Gb SATA | yes   |                |
| Dual Ported SATA Support              | w/optional interposer boards           | yes   |                |
| Drive RPM                             |  | Up to 15,000  |                |
| Form Factor                           |  | 3.5", 1" height   |                |
| <b>ADMINISTRATION / MANAGEMENT</b>    |  |   |                |
| Admin/Firmware Upgrade                | In-band & Out-of-band                  | Web interface, Serial & Ethernet port                   |                |
| LED Indicator                         |  | yes   |                |
| <b>HOT-SWAP &amp; REDUNDANCY</b>      |  |   |                |
| I/O Module                            | Failover                               | yes   |                |
| Disk Drive                            | Hot-swap                               | 24-bay (48 drives)                                      |                |
| Cooling                               | Hot-swap, Redundant                    | 3 + 1 (integrated w/in Power)                           |                |
| Power Supplies                        | Redundant                              | 3 + 1, 500W   |                |
| Power Entry                           | Individual AC Inlet                    | yes   |                |
| <b>ELECTRICAL &amp; ENVIRONMENTAL</b> |  |   |                |
| Universal A/C Input                   |  | 100-240V AC full range                                  |                |
| Operating Environment                 |  | Temperature 5°C to 35°C, Relative humidity 20% to 80%   |                |
| Non-Operating Environment             |  | Temperature -20°C to 60°C, Relative humidity 10% to 90% |                |
| <b>PHYSICAL DIMENSIONS</b>            |  |   |                |
| Height                                |  | 190mm   |                |
| Width                                 |  | 483mm   |                |
| Depth                                 |  | 610mm   |                |
| Weight w/o Disks                      |  | 35kg  |                |
| <b>AGENCY</b>                         |  |   |                |
| Emissions & Safety                    |  | FCC, CE, UL, CR   |                |
| Quality                               |  | ISO9001   |                |

\* x: S or B for silver or black color

## Contact Us:

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