

# UltraStor RS16 JS

Enterprise JBOD Storage System

www.enhance-tech.com



## Product Overview

The UltraStor™ RS16 JS SAS/SATA enterprise class JBOD storage system is designed to provide storage expansion to the advanced UltraStor™RS family, or to connect to a system integrated Host Bus Adapter (HBA). Based on original award-winning RS16 chassis/system design while deploying high-performance SAS or high-capacity SATA disks, the UltraStor™ RS16 JS offers enterprise-grade fault tolerance solution and improved performance for applications that demand nothing short of superior reliability. Designed to utilize point-to-point host/disk connectivity, the UltraStor™ RS16 JS addresses the challenges of high impact/high volume storage requirements, and it has become the new standard for enterprise storage expansion.

## Professional Grade Performance

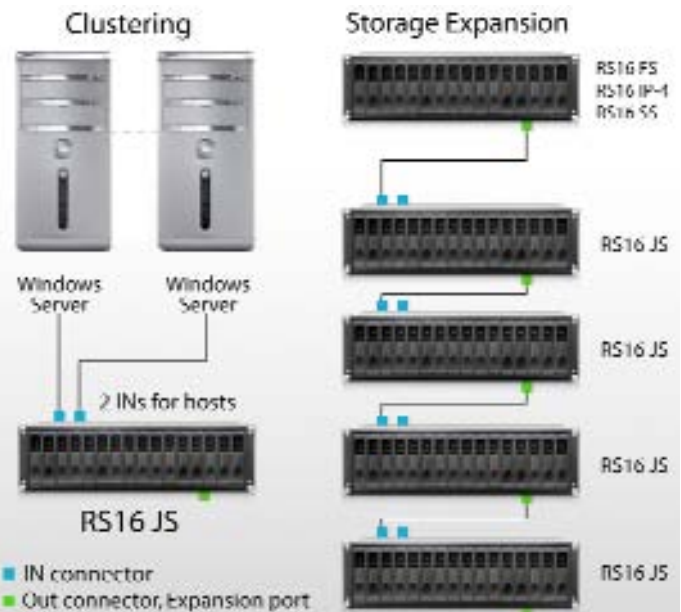
With dual SFF-8088 MiniSAS interface ports, the RS16 JS provides increased reliability and functionality critical to a company's IT infrastructure. UltraStor™RS16 JS includes a cutting edge backplane based SAS JBOD controller which maximizes both the SAS & SATA I/O disks throughput potential, making the system an ideal solution for professional storage applications such as image processing, web streaming, video editing, media & asset management libraries, and file/database/application servers. The UltraStor™ RS16 JS delivers over 1.2GB/s on SAS and over 700MB/s on SATA drives using the latest SAS RAID host cards on RAID-5.

## High Data Availability & Versatility

Featuring one SFF-8088 MiniSAS expandable port, the RS16 JS provides expandability, which maximizes disk performance allowing for a broader range of storage possibilities. A total of 4x RS16 JS can be cascaded together and it works best when connecting to an advanced ULTRASTOR™ RS series RAID system with dynamic on-line RAID expansion, allowing additional capacity to be added without total system downtime, increasing your department's productivity.

## Features

- 3U modular rack design for easy integration
- Enterprise, cable-less enclosure design
- Hybrid SAS/SATA disk based storage
- Next generation dual MiniSAS interface
- Multiple HBA based RAID configurations
- Hot-swap cooling fan modules & drive trays
- Professional dual-redundant power supply
- Supports Windows, Mac OS 9.1 & above
- Powerful SAS JBOD hardware architecture
- Supports up to 16TB of raw storage
- For RS16 FS/IP-4/SS Storage Expansion



Where Storage Begins

## Form Factor

- 3U low profile 19" rackmount
- 16 SAS / SATA disk drive bays

## System Architecture

- SAS drive to dual MiniSAS connectors
- SATA drive to dual MiniSAS connectors
- Up to 4x RS16 JS SAS JBOD can be cascaded for a total of 80-drive and 80TB storage capacity (Requires RS16 FS / RS16 IP-4 / RS16 SS)
- Support Windows Clustering

## Interface Configuration

- 2x SFF-8087 12.0 Gbps MiniSAS "IN" connections
- 1x SFF-8087 12.0 Gbps MiniSAS JBOD expansion

## Disk Drive Interface

- HDD SATA/SAS 1.5Gb/s or 3.0Gb/s
- Form Factor 3.5" SATA/SAS disks
- RPM 7,200 / 10,000 / 15,000
- Max. Capacity Up to 24TB RAW (1.5TB HDD x 16)

## Controller Architecture

- Enterprise SAS JBOD engine
- LSI SAS Expander Board

## Controls and Indicators

- Backlit secured LCD control panel
- Status indicators for system & host ports
- Built-in environment alarm with mute button
- System monitoring for fan speed, power supply, voltages, temperatures, & drive failure

## Data Protection

- Hot swap fan modules & redundant power supply

## Notification / Alarm

- Email notification & event log
- SNMP trap (remote notification)
- Internal buzzer alarm

## Supported Operating System

- Windows 98, ME, 2000, XP, 2003, Vista, 2008
- Mac 9.X, 10.X
- Red Hat Enterprise Linux 5
- VMware ESX 3.5

## Dimensions

- Length: 22.87"
- Width: 17.5" w/o rack ears (19" with rack ears)
- Height: 5.25" (3U)

## Weight

- 60 lbs without drives (80 lbs with drives)

## Power Supply

- 2x 460W autosensing redundant power supply
- Two removable industrial grade modules
- AC input: 100 ~ 240 VAC, 46Hz ~ 63Hz
- Continuous output power: Dual 2x 460W Redundant

## Certifications

- CE
- FCC Class A
- UL1950
- CSA #950
- TUV / EN60950

## Manufacturer Warranty

- 3-Year warranty
- Advanced Replacement 30 days

## To find an authorized dealer

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