



5U 48 bay 6G SAS Expander
JBOD Enclosure

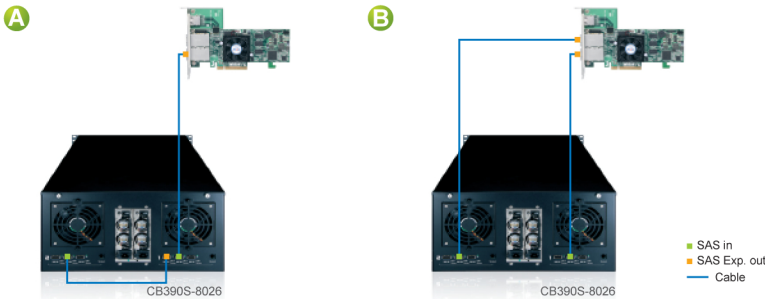
- » High density 5U 48-Bay rackmount chassis
- » Backplane design for up to forty-eight(48) 3.5" SAS/SATA 6G/3G bps drives
- » Built in latest 6Gb/s SAS Expander for single miniSAS(SFF8088) cable connectivity
- » Provides miniSAS ports for next storage expansion
- » SAS daisy chain for max 128 HDDs
- » LCD control panel for setup, alarm mute and configuration
- » Eight(8) big 120x120x25mm cooling fans for superior enclosure ventilation
- » Individual Key lock of each HDD tray for physical security
- » Forty-eight(48) hot-swappable hard drive drays with LED indicators for HDD power,activity and failure

Overview

The CB390S-8026 is the most high-density 48-bay SAS JBOD storage enclosure designed for HPC (High Performance Computing) application of mass capacity storage, which significantly and effectively saves the cost for spaces needed within the 19" rack and the cabinet room. For the portion of the power, the 5U 48-bay storage adopts the highly efficient 80 PLUS redundant power supply that efficiently uses the power toward the enclosure and allows a lower budget for the maintenance of the arrays of the mass capacity storage. The CB390S-8026 is built with the latest 6Gbps SAS expansion technology that makes 6Gbps SAS/SATA 3.5-inch HDDs available to the enclosure. Therefore, both high-density and high-performance features are presented through the rackmount 48-bay storage. With the innovative SAS expansion technology inside, each SAS host RAID card is capable of supporting a capacity of up to 128 hard drives.

Through the latest 6Gbps SAS expansion technology, the CB390S-8026 supports SES-2 protocols for host management of cascaded external enclosures. Provided with 48 hot-swappable HDD trays, each front of the drive trays is built with an HDD failure LED indicator to let users avoid pulling out the wrong drives that lead to the total crash of the whole data stored on the RAID volumes. The high-density 48-bay rackmount storage features excellent enclosure management covering monitoring of all components and audible/visual alerts for fan, power supply failures and over-temperature. LCD displays are given in front of the enclosure to let IT administrators know immediately the status of all units. The built-in eight large 120×120×25 mm cooling fans provide best airflow ventilation for drives while maintaining the enclosure at the lowest sound volume, so IT administrators are now able to be kept away from the noise resulting from the cabinet room.

Application Diagram



Specifications

Model	CB390S-8026
Host Interface	miniSAS(SFF8088) up to 24Gbps bandwidth
HDD Interface	SAS/SATA (6G/3Gbps)
No. of Disk(s)	Up to 48
SAS Expander	Built-in 6Gb/s SAS Expander
Expansion Port	Two miniSAS ports for next storage expansion
LED Display for Each Tray	White - Power On Indicator Flash Blue - HDD Accessing Indicator Red - HDD Failure Indicator
LCD Control	LCD control panel for setup,alarm mute and configuration
LED Display for Enclosure	1. Enclosure power LED, Green - Power On 2. Busy LED, Flash green - Host computer accessing the enclosure 3. Fault LED, Red - Enclosure failure
Material	Heavy-duty cold-rolled steel Housing
Dimension	79 (D) x 44(W) x 22(H) cm 31 (D) x 17.3 (W) x 8.66 (H) inch
Power Supply	800W Redundant PSU (High-efficiency 80 Plus) Input: 90-230 VAC/50-60 HZ Output: +5V and +12V
Cooling	Eight Big 12 x 12 x 2.5 cm cooling Fans
O.S. Support	OS Independent
Storage Temperature	0 to 40°C (32 to 104°F)
Operating Temperature	-10 to 50°C (-14 to 122°F)
Relative Humidity	20 to 80% (non-condensing)