



Desktop 4/8 Bay Multilane to SAS/SATA JBOD Enclosure

- Aluminum housing and anodized surface benefit cooling and durability
- Backplane design compatible for SAS/SATA II/III hard disk drives
- Built-in fans for self-contained ventilation
- Individual key lock on each HDD tray for physical security
- LED indicators for power and activity on each hard disk drive tray
- Temperature, fan failure LEDs and mutable buzzer alarm

Overview

The CB-NS750S/ CB-NS760S series provides video editing and digital content creation professionals high-speed, high-bandwidth performance for video editing/post production demanding applications at moderate cost. The compact and stylish CB-NS750S/ CB-NS760S features multilane connectivity to a high performance RAID controller card supporting a wide range of RAID levels. When connecting to eight SAS/SATA hard disk drives, it used to need eight data cables, but now through CB-NS750S/ CB-NS760S series' multilane (SFF-8470) connectors, it requires only one cable to connect to four drives on CB-NS750S or two cables to connect to eight drives on CB-NS760S, so the cable count is much reduced.

Multilane High-Bandwidth Technology

One CB-NS760S enclosure with eight hot-swappable high capacity SATA or high reliable SAS hard disk drives supports real-time playback 10-bit uncompressed 1080i high-definition video, two simultaneous streams of uncompressed 10-bit HD, and one stream of a single 2K RGB sequence. CB-NS750S/ CB-NS760S is built with the latest I/O technology, the multilane connectivity delivering over 850 MB/s superior performance, for eight multiple hard disk drives configuration and advanced performance. The highly reliable, high speed multilane SFF-8470 connector combines four/eight high capacity SATA or high reliable SAS hard disk drives for high quality video or applications as well as solutions for 1080i high-definition (HD) video editing or digital content creation. CB-NS750S/ CB-NS760S is simply the most cost-effective desktop RAID storage solution designed specifically for high-end post-production applications.



Testing conducted using AJA System Test
Video frame size: 2048 × 1556 10-bit RGB (2K)
File size: 16.0 GB
RAID level: RAID 5
Mac Pro
8 × 2 TB enterprise class hard disk drives
Areca ARC-1880x RAID card

Enclosure Management

Each hot-swappable tray on CB-NS750S/ CB-NS760S series provides power and activity LED indicators for each hard disk drive, and the enclosure is with built-in ultra-quiet cooling; furthermore, environmental detection features easy-to-understand LEDs and mutable buzzer alarm for fan failure and over-temperature. The thumb screw type multilane SFF-8470 connector on CB-NS750S/ CB-NS760S prevents the cable and its connector from falling off easily, and provides more secured cable connection, improved durability, and increased electromagnetic interference protection.

Easy Configuration for RAID Function

Through connection with RAID host bus adapter (HBA), the CB-NS750S/ CB-NS760S JBOD enclosure can be configured easily with RAID for reliable data protection and running high-speed, high-bandwidth data for video editing and digital content creation. The JBOD enclosure is compatible with any standard PCI-X or PCI Express RAID HBA with two external mini-SAS (SFF-8088) or multilane (SFF-8470) connectors.



Specifications

Model	CB-NS750S	CB-NS760S
Form Factor	Desktop 4 bay	Desktop 8 bay
Host Interface	Single multilane (SFF-8470)	Dual multilane (SFF-8470)
HDD Interface	SAS/SATA (3/6 Gbps)	
No. of Disk(s)	Up to 4	Up to 8
RAID Function	JBOD	
LED Display for Each Tray	White - power-on indicator Blue - busy (HDD access) indicator	
LED Display for Enclosure	Power-on LED - white Fan normal - green; fan failure - red Temp. normal - green; temp. over 55°C - red	
Material	Aluminum housing and plastic front panel	
Power Supply	220 W (high reliability IPC-grade) 100-240 V AC, 50/60 Hz universal	300 W (high reliability IPC-grade) 100-240 V AC, 50/60 Hz universal
Cooling	Two 60×60×15 mm hot-swappable cooling fans	Four 60×60×15 mm hot-swappable cooling fans
Alarm	Buzzer beeping for fan failure or over temperature (over 55°C) occurs	
Dimension	231(D)×156(W)×209(H) mm 9.1(D)×6.1(W)×8.2(H) inch	231(D)×156(W)×310(H) mm 9.1(D)×6.1(W)×12.2(H) inch
System Requirement	An external mini-SAS or multilane port	Two external mini-SAS or multilane ports
O.S. Support	O.S. independent	