

# A08S4-PS

*The 8-bay PCIe 3.0 Tower, Expandable with JBOD*

## The Most Flexible Tower Ever, Expanded as You Need

The A08S4-PS is an 8-bay tower storage solution from the ExaSAN product line that dedicates itself to those who don't want to spend extra money and time on a second storage device. If additional storage is what you need, expansion with the A08S4-PS comes with ease.

The A08S4-PS utilizes PCIe 3.0 technology which allows it to reach transfer speeds of up to 1800 MB/s making it an ideal solution for solo projects.

When your work space needs more than what a single tower can offer, you can easily expand it to up to 3 JBODs. This results in a storage capacity of up to 320 TB using 10TB HDD.

A08S4-PS is compatible with Windows, Linux and MAC. Use our C1M adapter to convert PCIe channel to Thunderbolt 2.0 to experience a high performance Thunderbolt environment.

## The Features

- 8-bay, maximum 3 JBOD
- Supports RAID Level 0, 1, 5, 6, 0+1 (RAID 10) and JBOD
- PCIe 3.0 32 Gb bandwidth
- Support single PCIe Gen3 x 4 host port
- PCIe SAN ready
- Single or redundant power supply (A08S4-PS or A08S4-PS plus)

## The Performance

- Performance: up to 1300MB/s (SAS) - 1800 MB/s (SSD)
- Max. Capacity: 320TB (based on 10TB HDD)



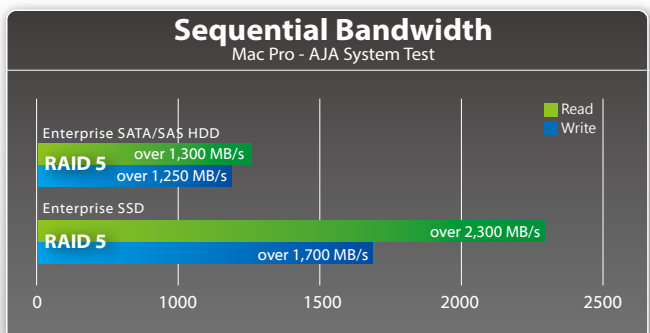
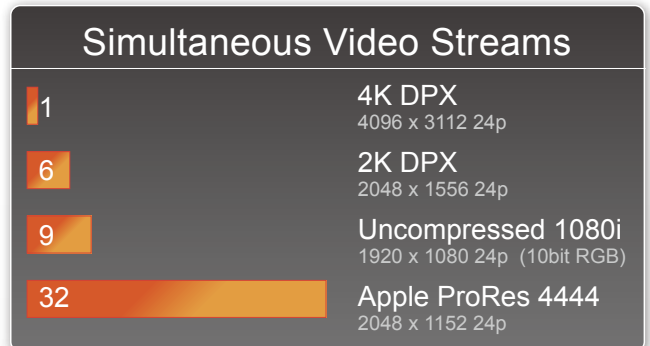
32 Gb Bandwidth



Performance



SAN Scalability



P.S. Tested by using AJA System Test (4K, 16GB).

# ExaSAN A08S4-PS Specification

## System and Controller

System Type	8-bay Tower RAID system
Host Interface	PCI Express Gen3 8 Gb x 4
Disk Interface	SAS/SATA
Disk Type	3.5"/2.5"/SSD
Data Transfer Rate	32 Gb/s
Cache Memory	2G DDRIII 1866 with ECC-protected

## RAID Controller Functions

Online RAID Set Expansion and RAID Level Migration
Online bad block data recovery and reallocation
Online disk scrubbing with data refresh and parity
Disk health monitoring by S.M.A.R.T
Array Roaming and Drive Traveling
Mirror Snapshot for fast backup and restore
Disk Lag Proof Technology to guarantee disk timely response
Equalization Mode to smooth the performance of sequential I/Os and reduce large fluctuation

## All Inclusive Accessory Package

### Z2M Dual Port HBA Card



PCIe Channel	PCIe3.0 x 8
Formfactor	Standard height formfactor card
Dimension	174 x 127mm

### QSFP 2M Copper Cable

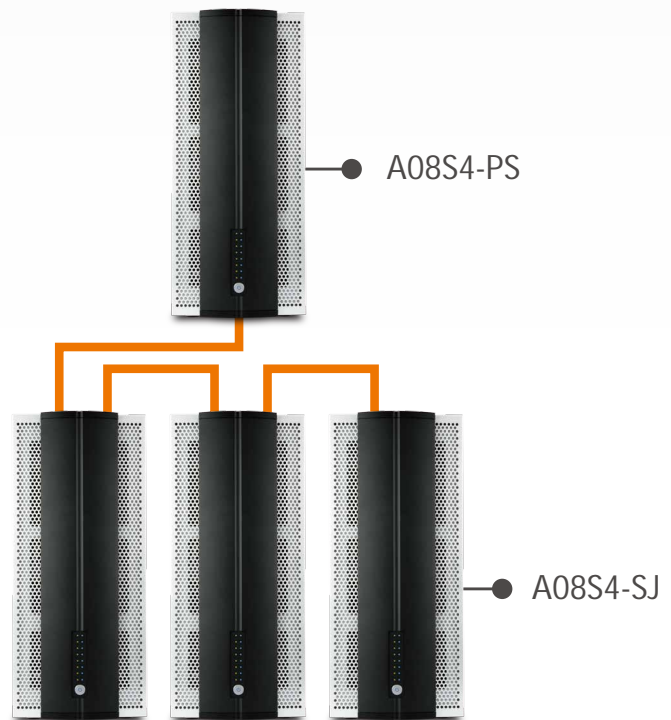


Connector	QSFP connector
Length	2M (standard)

## Management

Java-based RAIDGuard X GUI	
Event log saving in text file for quick troubleshooting	
Event notification by email (SMTP)	
LED indicator for RAID & disk drives status in front	
400W (Single or Redundant). 110V~240V power supply	
Two 12cm x 12cm Fan with Smart Fan Control feature	
Dimensions	L: 369mm, W: 175mm, H: 394.6mm
Weight	13.64 kg /30 lbs

## JBOD Expansion Diagram



## Optional Selections

C1M	PCIe to Thunderbolt 2.0 convertor package includes 50cm Thunderbolt cable and power adaptor .	Cables	2M, 10M, 30M, 50M and 100M copper and optical cables to choose from.
Z2D-G3	Dual port card for connecting two storage units to achieve double the speed and double the capacity.	Switch	Choose from a selection of PCIe2.0 switches to create your SAN environment.
JBOD	One A08S4-PS RAID system supports up to three 6 Gb SAS JBOD system (A08S4-SJ) for storage capacity expansion via mini SAS HD port.		

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