

INTRODUCTION

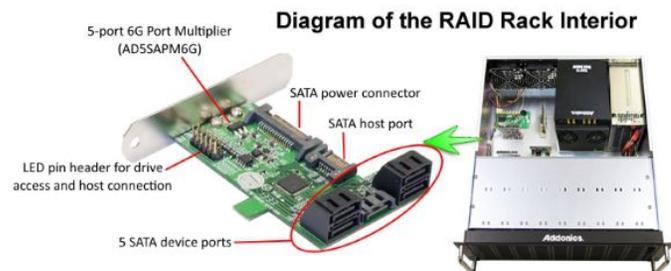
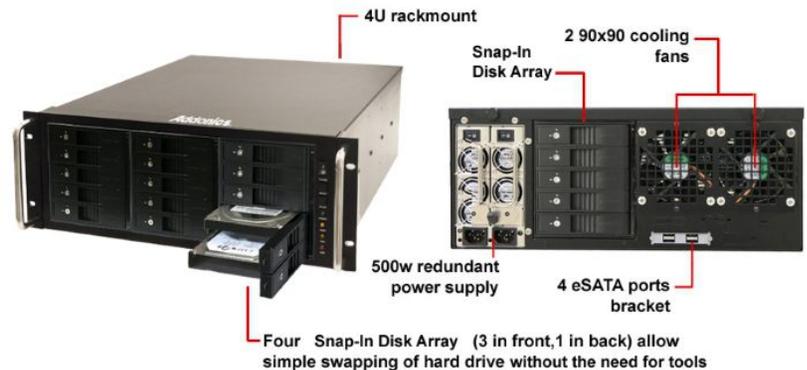
The Addonics 4U RAID Rack is a family of Rackmount chassis with built-in Port Multipliers and removable drive systems for easily adding and removing hard drives. It comes bundled with all the connecting cables needed to attach it to your system, these RAID Racks are designed to accommodate as many as twenty SATA hard drives in 3.5" or 2.5" form factor, **for a total storage capacity of a whopping 80TB per Rack** using today's largest 4TB hard drive! It is the ideal storage solution for video storage, storage farm or any applications that require a high capacity, reliable storage system.



You can start your RAID Rack with as little as one hard drive and expand by adding more hard drives as your storage requirement grows. Depending on the model, the 20 hard drives are set up as 4 RAID groups that connect to the system with 4 eSATA cables or a single mini SAS cable. There is also choice of models with hot swappable redundant power supply for mission critical applications.

About This Model

This 4U RAID Rack comes integrated with a 500w redundant power supply, 6G Port Multipliers and Snap-In Disk Arrays for adding or removing drives directly like tape cartridges from each bay without any special tool, and 4 eSATA ports for connection to computer. The four built-in 6G Port Multipliers ensure fast data transfer up to 6 Gbps. The RAID Rack is connected to a system equipped with a PM compatible controller with 4 eSATA ports such as the Addonics 4-eSATA 6G host controller. Depending on your application, the twenty drives can be used as 20 individual drives or formed as different RAID groups using the OS RAID utility. It is perfect solution for attaching large number of hard drives to any system for a variety of storage applications - external RAID storage, Video storage or Server storage.



FEATURES

- **Built-in hot swappable 500W redundant power supply**
- **Connect to system via four eSATA ports (connecting cable included)**
- **Install up to twenty 3.5" SATA hard drives of any capacity (drives not included)**
- The drives in a group of 5 are connected to four (4) 6G Port Multipliers (AD5SAPM6G) inside. Each PM is connected to one of the eSATA ports on the back panel
- Up to 6 Gbits/sec when connecting to SATA 3.0 port supporting this speed
- Compliant with SATA 1.0, 2.0 and 3.0 specification
- Require PM compatible SATA port or host controller (SATA port with no PM support can detect only the drive connecting to port 0)
- Optional 4-port eSATA 6G PCIe 4X controller (AD4ES6GPX4) that supports connecting the 20 drives in this RAID Tower to any system as individual drive
- Drives are added or removed directly like tape cartridge from each removable snap-in bay without any special tool
- Drives appear as five individual drives to the system (in simultaneous data transfer, the maximum data transfer is that of the slowest member of the five drives)
- Drives can be set to RAID via the software utility of the OS or the host controller
- OS independent, can be used on any system

Components list made up this model:

Storage Rack DA base unit with redundant power supply (SRDA460R), four (4) Snap-In Disk Array PRO (AESN5DA35-A), four (4) 5-port 6G Port Multipliers (AD5SAPM6G), one 4 eSATA ports bracket (AD4ESASB), four 6-foot eSATA cable (AAESATA200C).

Options: 4-port eSATA 6G PCIe 4X controller (AD4ES6GPX4), USB 3.0 - eSATA adapter (ADU3ESA) for USB 3.0 / 2.0 connection

SPECIFICATIONS

- **Redundant 500W power supply (AARDPS500)** - click on following link <http://www.addonics.com/products/aardps500.php> for more detail specification
- **Rackmount chassis**
 - 4U height
 - Constructed in heavy duty cold rolled electroplated steel
 - Redundant power supply
 - Integrated dual 90x90mm cooling fans (51CFM each)
- **Intelligent Thermal Management Card**
 - Supports connection of up to 8 cooling fans
 - Two ambient temperature detect terminals
 - Built-in overheat buzzer
 - LED connectors for fan, temperature, and power
 - On / Off control for each cooling fan and temperature setting (40°C, 50°C, 60°C)
- **Front Panel**
 - LED displays - Power, HDD Activity, Fan, and Temperature
 - Front accessible switches - Power On / Off, System Reset, Buzzer Reset
 - Four Snap-In Disk Array PRO (AESN5DA35-A)
- **Rear panel**
 - 4 eSATA connectors
 - One Snap-In Disk Array
- **5-port 6G Port Multiplier (HPM) - model: AD5SAPM6G), 4 units included.**
 - 5 drives are connected to each PM which connects to the eSATA port mounted on the back panel
 - Drives appear as individual drive (JBOD) when the RAID Rack is attached to a PM compatible controller.
 - RAID configuration via system OS or host controller RAID utility
 - Compatible with any OS.

***Note:** The RAID RACK must be connected to a SATA controller with hot swap capability in order to add and remove drive without rebooting. Please consult your motherboard or the add-in card manufacturer to determine hot swap support on your SATA controller. All of the Addonics SATA Host Controllers are hot swap capable.