

### INTRODUCTION

The Sapphire family of RAID enclosure is a compact size, light weight and low power external multi-bay storage device that is ideal for expanding the storage on any system. Offering a choice of models equipped with a different type of interface, the Sapphire Disk Array offers fast external storage performance via eSATA, the SuperSpeed USB 3.0, or mini SAS connection to any computer. You can swap drives in and out of the Sapphire Disk Array, just like using tape cassette, without the need to restart your system. You can also start with as little as one hard drive and expand to 2, 3 or 4 drives to meet the need of your application. There is also choice of model with integrated Hardware Port multiplier that allows the drives to be set up as a high-performance RAID group with redundancy for reliability



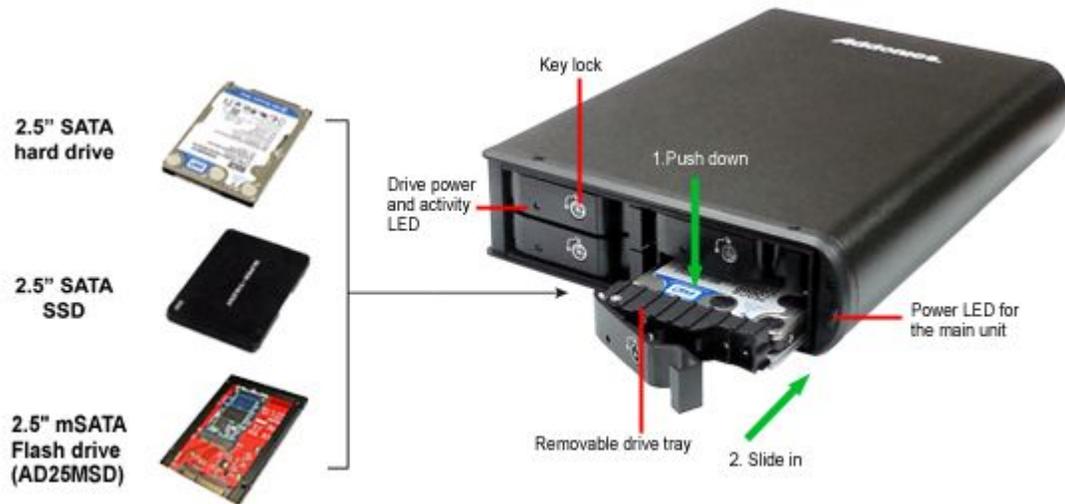
Constructed in a light-weight sturdy aluminum housing with an integrated cooling fan for efficient heat dissipation, the Sapphire Disk Array is a great portable storage solution for a wide range of applications that demand high performance and large amount of storage out in the field.

### About This Model

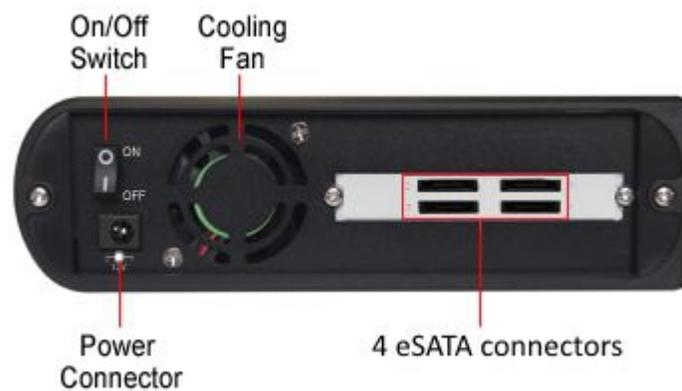
This Sapphire Disk Array comes equipped with 4 SATA - eSATA bridges that connects all 4 drives to any computer via 4 eSATA cables. This ensures maximum throughput of 6 Gbps per eSATA port, ideal for 2.5" SSD or Addonics 2.5" flash drive solution. Drives can be added or removed via the four removable drive trays. It is an easy way to add four 2.5" hard drives or high-performance SSD to any system externally.

The four drives can be used as individual drives or set as a large volume, high-performance RAID group via the RAID software of the OS or host controller. When combines with the Addonics 4 eSATA 6G controller, the four drives can be combined to form a large capacity RAID 0 volume with performance exceeding 15 Gbps. .

### Examples of devices that can be installed inside the Sapphire Disk Array 4SA



### Rear view



### FEATURES

- Attach up to four (4) SATA 2.5" hard drives\*, SSDs or Addonics 2.5" SATA flash drives to any system via a 4 eSATA connections
- The four drives appear as individual drive to system or set as a RAID group using RAID software from the OS or the controller
- Maximum throughput up to 600 MB/sec per port
- Build a high performance and large capacity SSDs by attaching to Addonics 4-port eSATA controller (AD4ES6GPX4) and forming a RAID 0 drive volume - this combination result in a total throughput up to 20 Gbps)
- Drive is mounted onto removable drive tray that can be added or removed like tape cartridge
- OS independent, can be connected to any system
- One of the four drives can be set as external boot drive
- Hard drive can be hot swap when connecting to controller that supports this feature
- Power and drive activity LED on each drive tray
- Innovative lock mechanism for drive insertion/removal
- Strong and light-weight anodized aluminum housing

\* maximum drive thickness up to 15 mm, Maximum combined peak current draw of the four drives not to exceed 2.8A at 5V (equivalent to average 700mA at 5V per drive)

#### Components make up this model:

Sapphire-drive enclosure (S525CS), 2.5" Disk Array 4SA (AE4RT25S), 4 SATA - eSATA bridge (AD4SAESB), 110/220 AC/DC 12V power adapter (AAP12V3A-US), four (4) 100 cm. eSATA cables (AAESATA100C), user guide.  
Option: 4-port 6G eSATA PCIe 4X controller (AD4ES6GPX4)

### SPECIFICATIONS

- Black anodized aluminum body for durability and efficient heat dissipation
- Four 2.5" removable drive bays for installing 2.5" SATA drive with thickness up to 15 mm.
- Support SATA I, II and III drive
- four (4) eSATA connectors on the back of the unit
- Maximum transfer rate: 6Gbps per port
- Maximum combined peak current draw of the four drives not to exceed 2.8A at 5V (equivalent to average 700mA at 5V per drive)
- 110/240 AC/DC 12V 3A power adapter
- Power and Drive Activity LEDs for each drive bay
- key lock for each bay
- Point to point, no cable required for installing hard drive into drive bay
- One 40 x 40 low-noise, ball bearing and high CFM cooling fans
- Weight: ~ 3.64 lbs. (1.65 kg)
- Attractive aluminum frame with vents for effective heat dissipation
- Dimensions (L x W x H): 9.88 x 6.88 x 2.00 in ( 251 x 175 x 50.8 mm)
- Operating temperature and humidity: +5C to +60C, 5% to 95% RH (non-condensing)
- Storage temperature and humidity: -30C to +70C, 5% to 90%