

### 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 choice of models equipped with 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 using any drive tray or special tool. 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



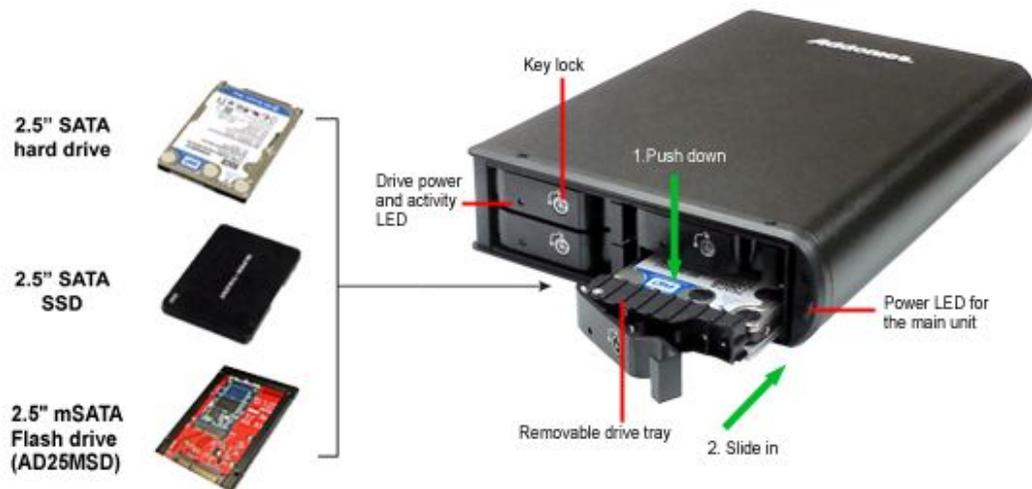
Constructed in a light weight sturdy aluminum housing with an integrated cooling fan for efficient heat dissipation, the Sapphire Disk Array is a great portable storage solution for a wide range of applications that demand high performance and large amount of storage out in the field.

### About This Model

This Sapphire Disk Array comes equipped with a 4-drive tray-load Disk Array and a SATA to mini SAS bridge that connects four 2.5" hard drives or SSDs to any computer via a single mini SAS cable. Once connected, four the drives appear as individual drive to the system. The four drives can also be set as a large volume and high performance RAID group using the RAID utility of the OS or the controller. This model is perfect for attaching multiple low power 2.5" hard drives or high performance SSD to any system using the secure mini SAS connection.

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

click on the image to see the detail of the Disk Array 4SA



### Detail view of the removable drive



### Rear view



Connect all four 2.5" SATA devices through a single mini SAS (SFF- 8088) cable

### FEATURES

- Attach up to four (4) SATA 2.5" hard drives\*, SDDs or Addonics 2.5" SATA flash drives to any system via a single mini SAS (SFF-8088) cable (external mini SAS cable is not included)
- Support SATA I / II / III or SSD with drive height up to 15 mm.
- 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
- 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), SATA - external mini SAS bridge (AD4SMSAS, 110/220 AC/DC 12V power adapter (AAP12V3A-US), user guide.

### 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
- External mini SAS (SFF-8088) connector on the back of the unit
- Maximum transfer rate: 6Gbps
- Maximum combined peak current draw of the four drives not to exceed 2.8A at 5V 聽 (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%

\*All specifications are subject to change without notice