

INTRODUCTION

Is this a 3.5" SATA hard drive? Yes, this is a unique drive kit solution that mimics the function of a 3.5" SATA hard drive.

This Snap-In 25 RAID is a powerful drive enclosure solution that enables you to install up to two 2.5" SATA hard drives or SSD into the space of a 3.5" SATA hard drive. The enclosure is designed with the exact dimension, mounting hole location and the same connector as found in a commercial standard 3.5" SATA hard drive. So once the 2.5" hard drives are installed into the Snap-In 25 RAID, the entire enclosure can be used just like a regular 3.5" SATA hard drive.

The two 2.5" SATA drives can be standard 2.5" hard drive, Solid State Drive (SSD) or any of the Addonics 2.5" flash drive (storage kit that enables CF, CFast or mSATA memory card to be used like 2.5" SSD). The two drives inside the Snap-In 25 RAID can be set to appear as two individual drives, a single large combined drive, a single drive volume in RAID 0 for fast READ/WRITE performance or RAID 1 for drive redundancy to protect against drive failure. Using fast solid state drive or high-speed flash media in a RAID 0 set up, the Snap-In 25 RAID can perform up to 3 Gbps in READ/WRITE, out performing most 3.5" SATA hard drives while consuming much less power and more resilient against shock and vibration. The Snap-In 25 RAID is an ideal solution for creating a large capacity and low cost SSD drive.

There is no special tool needed to install the drives into the Snap-In 25 RAID. Simply unlatch and swing open the door at the front, slide the drives into the two drive slots, close and latch the door to secure the drives. When the front door is unlatched and swung opened, the two drives automatically slides out for easy removal.

Snap-In 25 RAID



Applications

1. Use the Snap-In 25 RAID to convert two 2.5" SATA hard drives into a 3.5" SATA hard drive



Outside casing is designed in the same form factor of a regular 3.5" SATA drive, and can be installed into any enclosure or mobile rack designed for a 3.5" SATA drive

SATA data and power connectors of the Snap-In 25 are in the same location as a standard 3.5" SATA hard drive

2. Any 2.5" SATA hard drive, SSD or Addonics 2.5" flash drive can be installed into the Snap-In 25 RAID enclosure:



2.5" SATA hard drive

2.5" SSD drive

2.5" CF Flash drive

2.5" mSATA Flash drive

2.5" CFast Flash drive

3. The Snap-In 25 RAID can be used in any drive kit or equipment that are designed for 3.5" SATA hard drive

Snap-in 2.5" installed into a Diamond SATA drive enclosure

Snap-in 2.5" installed into Sanp-in SATA Mobile Rack

Snap-in 2.5" installed into a Disk Array



3. Using the Snap-In 25 RAID as a dual 2.5" removable drive system



Swing Open front door for easy insertion or removal of hard drive without any special tool



Installed into 3.5 drive bay

FEATURES

- Enclosures accommodates up to two 2.5" SATA hard drive or SSD (with drive height up to 9.5 mm)
- Use as a direct replacement of 3.5" SATA hard drive
- Can be installed into any 3.5" removable hard drive system, Addonics Disk Array, Snap-In Mobile Rack, Diamond drive kit or any equipment that uses 3.5" SATA hard drive
- Use it as a dual 2.5" removable drive system
- Install into any standard 3.5" drive bay,
- 2.5" drives can be added or removed from the enclosure like tape cassette without restarting your system*
- Two drives can be set as one large drive, RAID 0, RAID 1 or to appear as two individual drives* to the OS
- SATA native interface - support SATA I, II or III standards
- Built-in RAID accelerator for maximum performance up to 3Gbps
- Point to point Serial ATA connection (no cable to connect hard drive to enclosure)
- Integrated with two snap-in drive bays to support adding and removing the hard drive from the enclosure without any special tool
- Aluminum / manganese alloy material for top and bottom covers for effective heat dissipation
- OS independent

* Serial ATA hot swap feature works only with controllers basing on Silicon Image chip set from our in-house testing. Other controllers that are not Silicon Image based may not support hot swap. You may consider adding one of the Addonics Serial ATA host controllers to your systems to ensure the hot swap capability. New controllers from Intel and other suppliers may finally support this feature. Please verify with your controller manufacturer if you need to have hot swap in your application. Hot swap is supported in Windows 2000 and XP only. On other OS, drive can be removed without crashing system. But replacing with a different drive can result in crashing the OS.

Individual drive feature is available only when connecting to Port Multiplier compatible SATA port. Addonics offers a wide selection of PM compatible controllers

SPECIFICATIONS

- Two 2.5" HDD removable bays inside a 3.5" HDD drive space
- Enclosure has same dimension and mounting hole locations as the standard 3.5" SATA hard drive
- Supports SATA I, II or III SATA HDD (with drive height of 9.5 mm or less), SSD or Addonics 2.5" Flash drive
- Built-in hardware RAID that supports RAID 1, RAID 0, Big Drive or two individual drives with no RAID
- Individual drive setting requires PM compatible SATA port
- RAID setting via switches accessible on the back of the enclosure or via software utility for Windows, Mac or Linux OS
- Power and drive access combo LED
- Standard 15-pin and 7-pin SATA combo connector at the same location of the standard 3.5" SATA hard drive
- Aluminum top cover and steel alloy bottom cover with vents for effective heat dissipation
- Power consumption ~ 150 mA at 5V without drive
- Dimension (W x L x H): 4 x 5.75 x 1" (101.6 x 146.05 x 25.4 mm)
- Weight (with no drive installed): 8.04 oz (228 g)
- Operating temperature and humidity: 0 - 60 °C, 5 - 90% RH
- Storage temperature and humidity: -20 - 70 °C, 0 - 95 % RH non condensing
- RoHS compliant