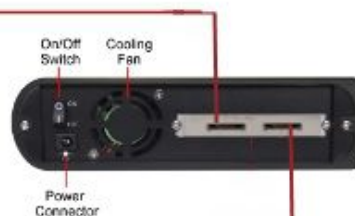## INTRODUCTION

The Sapphire HDD Duplicator is a powerful hard drive duplicating device in a small package. Designed to connect hard drive via the eSATA connection, any 2.5" or 3.5" hard drive or SSD, including large volume of storage created from a hardware Port Multiplier, can become the source or the target drive. When use in combination with the optional Addonics SATA Exdrive kit. practically any hard drive or SSD, IDE or SATA from 2.5" to 3.5" can becomes the source or the target drive. The Sapphire HDD Duplicator is a handy tool for wide range of application - field service, drive cloning, data back up, migrate data between different type of drives and many others. It is also a useful sanitization tool to wipe clean old data in used hard drive.

FEATURES

- Copy any eSATA hard drive or SSD to any eSATA hard drive or SSD
- Great for cloning hard drives, making a back up hard drive or a RAID volume
- Support any type of file format, including an entire RAID volume
- Maximum drive size >3TB
- Completely standalone One to One hard drive duplicator with no additional hardware or software required.
- Typical copying speed1 ~ 85 MB/sec
- Source and Destination hard drives are connected via high speed eSATA connection externally
- Drive sanitization:

  - SECURE ERASE - HDD duplicator sends a WIPE command to the hard drive. This command fills 00 string to entire HDD
  - OVERWRITE - One pass, 3 passes and 7 passes 5220.22-M. The duplicator writes a string of pattern over the entire disk one time, three times or seven times.5220.22-M is the DoD standard for drive sanitization
  - Encryption - requires optional Diamond Cipher drive enclosure*

- LCD console with intuitive interface and information display.
- Full LCD console feature list

  *Drive Sanitization using encryption is limited to SATA hard drive. Requires optional Diamond Cipher drive enclosure and Diamond encryption key

  1. install the hard drive to be sanitized into the Diamond Cipher drive enclosure.
  2. Insert the Diamond Cipher drive enclosure into one of the Diamond target bays
  3. Start the copying process using a blank source drive of equal size in capacity as the target drive. Data from the source drive is then written onto the hard drive in the Diamond Cipher drive enclosure with AES-256 bit encryption.
  4. Now remove the drive from the Diamond Cipher enclosure. The drive will appear as brand new drive when installed into any computer with no trace of any data. The drive will have to be initialized, partitioned and formatted.

  *The speed here is for reference only. The speed were measured basing on using 3.5" SATA III 250 GB hard drive for both source and target. The transfer rate varies depending on the speed of the source and destination drive

SPECIFICIATIONS

- Writing mode : Sector to Sector
- Typical copying speed ~ 85 MB/sec
- 2 eSATA ports to connect source and destination drives with eSATA interface
- 1 rear mounted cooling fan
- Power supply: 80 watts Max
- Dimensions (W x D x H): ~7.5 x 10.5 x 6.5 inch
- Weight: ~3.5lb
- Writing mode : Sector to Sector
- Support up to 1.5Gbps transferring rate
- Operating environment: 0 - 50 degree C, 15% - 90% RH
- Storage environment: (- 20) - (65) degree C, 0% - 95% RH non-condensing