

3.5in Silver eSATA USB Dual SATA External RAID Hard Drive Enclosure

StarTech ID: SAT3520U2ER



This Dual SATA External Hard Drive Enclosure delivers the ideal external RAID solution, allowing you to install two high capacity 3.5in SATA hard drives (SATA, SATA II, SATA III), connected to the host computer through either a Port-Multiplier capable eSATA or USB 2.0 ports.

For true eSATA convenience, the enclosure features built-in port multiplier support, allowing both of the installed Serial ATA drives to be connected to the host computer through a single eSATA cable.

A versatile external storage solution, the enclosure supports almost any 3.5in SATA hard drive and can be connected to a computer through USB 2.0, if an eSATA connection is not available.

The enclosure supports multiple RAID array configurations including RAID 0, RAID 1, BIG(JBOD), SAFE33 & SAFE55 - allowing you to configure your external drives to best suit the application.

To help protect installed SATA hard drives and their valuable data content from in-transit damage, the enclosure features a sturdy aluminum casing that also enhances drive heat dissipation for a cooler operating environment.

To provide further cooling for installed SATA hard drives, the enclosure features a built-in 50mm fan that re-distributes the heat build-up generated as a result of typical drive operation. This is especially important when using large capacity hard drives, and faster "spinning" drives (i.e 7200 RPM), as it can help keep drives running cooler, which can preserve data integrity and the drive's lifespan by reducing the chances of premature failures.

An out-of-the-box external RAID or USB 2.0 storage solution, the eSATA/USB Dual External RAID Hard Drive Enclosure includes both eSATA and USB 2.0 cables, as well as the necessary power adapter.

Applications

- Add external RAID storage solution without worrying about driver or software support
- Businesses requiring external RAID storage for data redundancy
- External storage that is easily transferable between different computer systems
- Large volume external storage for backups/archiving
- Video editing or photography professional/enthusiasts working with very large file sizes

Features

- Supports up to 2 SATA drives
- Supported RAID modes: 0, 1, JBOD, Spanning, SAFE33 and SAFE50
- Software GUI or on-board DIP switch configuration
- LED indicators for each drive, host interface and power
- SATA revision 2 compliant eSATA host interface, with transfer rates up to 3.0 Gbps
- High Speed USB 2.0 compliant host interface, with transfer rates up to 480 Mbps
- Compatible with SATA revision 1/2/3 (1.5/3.0/6.0 Gbps) drives
- Supports 3.5" form factor SATA hard drives
- 50mm cooling fan
- Plug-and-Play and hot-swap compatible

Technical Specifications

Warranty	2 Years
Interface	USB 2.0 & eSATA
Number of Drives	2
Drive Size	3.5in
Drive Type	SATA
Drive	Fixed
Installation	
Fan(s)	Yes
Fans	1 - 50 mm
Chipset ID	Silicon Image - SiI5744
Drive Connectors	2 - SATA (7 pin; Data) Receptacle
Drive Connectors	2 - SATA Power (15 pin) Receptacle
Host Connectors	1 - eSATA (7 pin; Data) Receptacle
Host Connectors	1 - USB B (4 pin) Female
Type and Rate	USB 2.0 - 480 Mbit/s
Type and Rate	SATA II (3 Gbps)
RAID	Yes
Supported RAID Modes	BIG (Spanning or Concatenation)
Supported RAID Modes	JBOD - (Just a Bunch of Disks)
Supported RAID Modes	RAID 0 (Striped Disks)
Supported RAID Modes	RAID 1 (Mirrored Disks)
Supported RAID Modes	SAFE 33 (33% of the Drives are RAID 1, the rest is BIG)
Supported RAID Modes	SAFE 50 (50% of the Drives are RAID 1, the rest is BIG)
Max Drive	2 TB Each (4 TB Total)

Capacity	
OS Compatibility	Windows ME/ 2000/ XP(32/64bit)/ 2003(32/64bit)/ Vista(32/64bit)/ 7(32/64bit), MAC OS 9.0 +, and Linux
Color	Silver
Enclosure Type	Aluminum
Product Length	9.1 in [230 mm]
Product Width	3.9 in [100 mm]
Product Height	5.6 in [142 mm]
Product Weight	4.2 lb [1.9 kg]
LED Indicators	1 - Power
LED Indicators	2 - Hard Drive Indicators (One Each)
Power Adapter Included	Yes
Input Voltage	115 ~ 230 AC
Output Voltage	12 DC
Output Current	4.2A
Center Tip Polarity	Positive
Plug Type	M
Note	The maximum supported partition size for 32-bit Windows systems is 2 TB. Windows cannot detect multiple drives in any RAID mode if the total size exceeds 2TB. Hard drives in non-RAID mode (JBOD) are supported up to 2TB.
Shipping (Package) Weight	4.4 lb [2 kg]
Included in Package	1 - Aluminum Enclosure
Included in Package	1 - Plastic Stand
Included in Package	1 - eSATA Cable

- Package
- Included in Package 1 - USB Cable
- Included in Package 1 - Screw Kit
- Included in Package 1 - Power Cable
- Included in Package 1 - Power Adapter
- Included in Package 1 - Installation CD
- Included in Package 1 - Instruction Manual

Certifications, Reports and Compatibility

