

3.5in 4 Drive eSATA USB FireWire External SATA RAID Enclosure

StarTech ID: S354UFER



StarTech.com's S354UFER External SATA RAID Enclosure is a high-performance external RAID storage solution, supporting up to 4 high capacity (tested with up to 4TB per bay) 3.5" SATA hard drives (supports SATA, SATA II and SATA III-6Gbps).

The 4-bay RAID enclosure can be connected to the host/source computer through USB, eSATA or FireWire and automatically builds your SATA RAID array based on your selection (Spanning, RAID 0, RAID 1, RAID 1+0, RAID 3, and RAID 5 supported), delivering a simple, yet flexible external storage solution.

Designed for convenience, the enclosure features front panel LED indicators that provide RAID information and simple hard drive status and activity monitoring. The enclosure also features a built-in 3-speed 80mm fan with automatic or manual controls that allow you to customize the speed of the fan as necessary, ensuring suitable operating temperatures for optimized drive performance.

Applications

- Add external RAID storage without worrying about driver or software support
- 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

- High Speed USB 2.0 host interface, with transfer rates up to 480Mbps
- SATA revision 2 compliant eSATA host interface with transfer rates up to 3.0Gbps
- FireWire 400 and 800 host interfaces with transfer rates up to 400Mbps and 800Mbps respectively
- Supported RAID modes: 0 (stripe), 1 (mirror), 3 (parity disk), 5 (striped parity), 10 (1+0), Span/Concatenation
- User configurable directly from the unit itself
- Removable front cover and accessible drive trays
- 80mm cooling fan with 4 selectable speeds: Low, Med, High, Auto
- Auto power saving when host connection disconnected or turned off
- No driver or software installation
- Compatible with SATA revision 1/2/3 (1.5/3.0/6.0 Gbps) drives
- Supports 3.5" form factor SATA hard drives
- Plug-and-Play and hot-swap compatible
- Rugged aluminum chassis

Technical Specifications

Warranty	2 Years
Interface	USB 2.0 & eSATA & Firewire
Number of Drives	4
Drive Size	3.5in
Drive Type	SATA
Drive Installation	Removable
Fan(s)	Yes
Fans	1 - 80 mm
Fan Bearing Type	Ball Bearing
Chipset ID	PLX/Oxford - OXUFS936QSE
Drive Connectors	4 - SATA (7 pin; Data) Receptacle
Drive Connectors	4 - SATA Power (15 pin) Receptacle
Host Connectors	1 - eSATA (7 pin; Data) Plug
Host Connectors	1 - Firewire 400 (6 pin; IEEE 1394a) Female
Host Connectors	1 - USB B (4 pin) Female
Host Connectors	2 - Firewire 800 (9 pin; IEEE 1394b) Female
Type and Rate	FireWire 400 IEEE-1394a - 400 Mbit/s
Type and Rate	FireWire 800 IEEE-1394b - 800 Mbit/s
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	RAID 0 (Striped Disks)
Supported RAID Modes	RAID 1 (Mirrored Disks)

Supported RAID Modes	RAID 10 (1+0; Striped set of Mirrored Subset)
Supported RAID Modes	RAID 3 (Striped set with Dedicated Parity)
Supported RAID Modes	RAID 5 (Striped Disks with Parity)
Max Drive Capacity	Currently tested with up to 4 TB 5400 RPM hard drives per bay (16TB total)
Fan RPM	Low - 1200rpm Med - 1800rpm High - 2500rpm
OS Compatibility	Windows 2000/ XP(32/64-bit)/ Server 2003(32/64-bit)/ Server 2008 R2/ Vista(32/64-bit)/ 7(32/64-bit)/ 8 (32/64-bit) Mac OS 10.4/ 10.5/ 10.6/ 10.7/ 10.8 Linux
Color	Black
Enclosure Type	Aluminum
Product Length	8.5 in [215 mm]
Product Width	5 in [126 mm]
Product Height	6.7 in [170 mm]
Product Weight	4 lb [1.8 kg]
LED Indicators	1 - HDD error indicator
LED Indicators	1 - Power indicator
LED Indicators	1 - RAID rebuild indicator
LED Indicators	2 - Connection indicators
LED Indicators	2 - Fan mode indicators
LED Indicators	3 - Fan speed indicators
LED Indicators	6 - RAID Mode indicators
Power	Yes

Adapter Included	
Input Voltage	115 ~ 230 AC
Output Voltage	12 DC
Output Current	5A
Operating Temperature	-205/11/2012eg;C to 605/11/2012eg;C (-45/11/2012eg;F to 1405/11/2012eg;F)
Storage Temperature	-255/11/2012eg;C to 705/11/2012eg;C (-135/11/2012eg;F to 1585/11/2012eg;F)
Humidity	90%RH

Note The maximum supported partition size for some 32-bit Windows systems is 2 TB. These versions of Windows cannot detect multiple drives in any RAID mode if the total size exceeds 2 TB.

Some operating modes of the enclosure require an eSATA host port to provide Port Multiplier (PM) support. Without PM support, only one of the drives will be accessible.

Shipping (Package) Weight	7.3 lb [3.3 kg]
Included in Package	1 - Four drive HDD enclosure
Included in Package	1 - 6 pin FireWire cable
Included in Package	1 - 9 pin FireWire cable
Included in Package	1 - eSATA Cable
Included in Package	1 - USB Cable
Included in Package	1 - Screw driver and screw kit
Included in Package	3 - Power Cord (NA/ UK/ EU)
Included in Package	1 - Universal Power Adapter
Included in Package	1 - Instruction Manual

Certifications, Reports and Compatibility

