4 Bay External Hard Drive Array RAID Tower – eSATA USB 3.0 Enclosure
StarTech ID: SAT3540U3ER

The SAT3540U3ER 4-Drive USB 3.0/eSATA to 3.5" SATA RAID Enclosure is a high-performance external RAID storage solution that supports up to 4 high capacity (tested with up to 4TB per bay) 3.5-inch SATA hard drives over a USB 3.0 or eSATA connection.

The 4-bay RAID enclosure can be connected to the host/source computer through USB or eSATA 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 enable you to customize the speed of the fan as necessary to ensure suitable operating temperatures for optimized drive performance.

Applications and Solutions

- Add external RAID storage without worrying about driver or software support
- Maximizing the transferability of storage between different computer systems
- Large volume external storage with redundancy for backups or archiving important data
- Video editing or photography professional/enthusiasts working with very large file sizes

Features

- SuperSpeed USB 3.0 host interface, with transfer rates up to 5 Gbps
- SATA revision 2 compliant eSATA host interface, supporting transfer rates up to 3.0Gbps
- 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
- Number of Drives: 4
- Chipset ID: JMicron JMB394 + JMB355 + JMS539
- Max Drive Capacity: Currently tested with up to 4 TB 5400 RPM hard drives per bay (16TB total)
- Product Height: 6.69 in [170 mm]
- Humidity: 5% ~ 95% RH
- LED Indicators: Host Connection Type
- LED Indicators: Fan Mode
- LED Indicators: Fan Speed
- LED Indicators: 1 - Power
- LED Indicators: 1 - RAID Rebuild
- LED Indicators: 1 - HDD Error
- LED Indicators: RAID Mode
- Product Length: 8.46 in [215 mm]
- Operating Temperature: 0°C to 40°C (32°F to 104°F)
- OS Compatibility: Windows XP(32/64-bit)/ Server 2003(32/64-bit)/ Vista(32/64-bit)/ 7(32/64-bit)/ Server 2008 R2, Mac OS X, and Linux
- Output Current: 5000mA
- Package Quantity: 1
- RPM: Low - 1200rpm

Med - 1800rpm
High - 2500rpm

- Storage Temperature: -20°C to 60°C (-4°F to 140°F)
- Shipping (Package) Weight: 2750
- Product Weight: 63.54 oz [1800 g]
- Product Width: 4.96 in [126 mm]
- **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.

If used with the Apple Mac OS operating system, this device will function in USB 2.0 mode only as Apple does not yet support USB 3.0

• System and Cable Requirements: Available USB or eSATA port

RoHS
Compliant
Available