

## **USB 3.0/eSATA Dual 3.5" SATA III Hard Drive External RAID Enclosure w/ UASP and Fan – Black**

*StarTech ID: S3520BU33ER*



The S3520BU33ER 2-Bay RAID Enclosure offers a high-performance external storage solution, enabling you to build a secure RAID array with two 3.5" SATA hard drives, with the option to connect it to your computer through either an available USB 3.0 or eSATA port.

For fast data transfers and efficient performance from your SATA III drives, the RAID enclosure supports full SATA III transfer speeds (up to 6 Gbps), as well as full USB 3.0 transfer speeds (up to 5Gbps). When connected through USB, the enclosure supports UASP, which offers performance up to 70% faster than conventional USB 3.0 when paired with a UASP-enabled host controller (see our performance below).

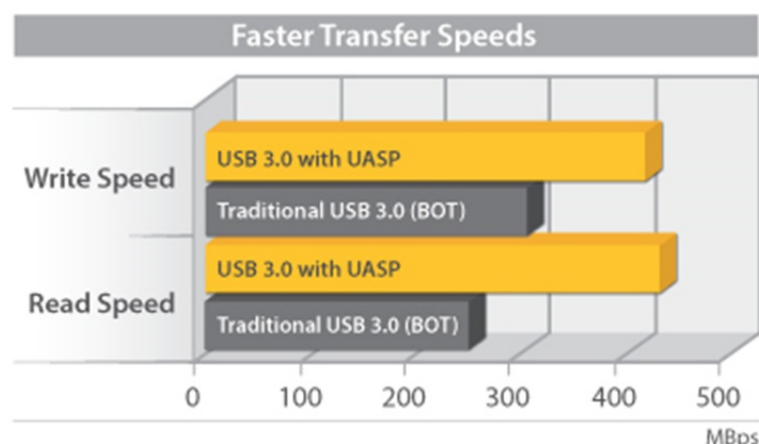
With support for JBOD, Spanning, RAID 0, and RAID 1, the enclosure offers several options that enable you to customize your drive arrangement based on your storage requirements.

To maximize both durability and reliability, the external RAID enclosure features high-quality aluminum construction with a built-in fan that helps improve ventilation and maintain a better operating environment for your drives.

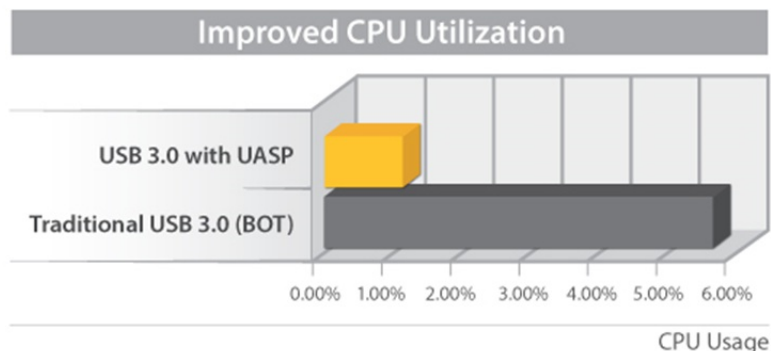
The HDD enclosure offers a versatile solution for increasing the storage/backup capabilities of your computer, with support for large capacity hard drives (tested up to 4TB), and is backed by a StarTech.com 2-year warranty and free lifetime technical support.

### **Improved Performance with UASP**

UASP is supported in Windows 8, Mac OSX (10.8 or above), and Linux. In testing UASP performs with a 70% faster read speed and 40% faster write speed over traditional USB 3.0 at peak performance.



At the same peak in testing UASP also shows an 80% reduction in required processor resources.



Testing results were obtained using an Intel® Ivy Bridge system, a UASP enabled StarTech.com Enclosure, and a SATA III solid state drive.

### Applications

- Business applications that require external RAID storage for data redundancy
- Video editing or photography professional/enthusiasts working with very large file sizes
- Transfer large files between computers quickly and securely without a network
- Scenarios requiring easy storage transferability between different computer systems and large volume external storage for backups/archiving

### Features

- UASP Support (Attached SCSI Protocol Specification Revision 1.0)
- eSATA or USB Host Connection
- Compatible with SATA revision I/II/III (1.5/3.0/6.0 Gbps)
- Hardware RAID
- Plug-and-Play Compatible
- Dual Drive Bay
- Built-in Fan

## Technical Specifications

Warranty	2 Years
Chipset ID	JM562
Drive Installation	Fixed
Drive Size	3.5in
Drive Type	SATA
Fan Bearing Type	Ball Bearing
Fan(s)	Yes
Fans	1 - 80 mm
Interface	eSATA
Interface	USB 3.0
Number of Drives	2
Number of internal 3.5 inch bays	2
Drive Connectors	SATA Data & Power Combo (7+15 pin) Receptacle
Host Connectors	eSATA (7 pin; Data) Female
Host Connectors	USB 3.0 B (9 pin; SuperSpeed) Female
Hot Swap Capability	Yes
Max Drive Capacity	Currently tested with up to 4TB 7200 RPM hard drive
Port Multiplier	Yes
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)
Type and Rate	SATA III (6 Gbps)
Type and Rate	USB 3.0 - 5 Gbit/s
UASP Support	Yes
Microsoft WHQL Certified	Yes
OS Compatibility	Windows XP(32/64-bit)/ Server 2003(32/64-bit)/ Vista(32/64-bit)/ 7(32/64-bit)/ 8(32/64-bit)/ Server 2008 R2, and Mac OSX, and Linux 2.6.31 and up
Color	Black
Enclosure Type	Aluminum and Plastic
Product Height	3.3 in [85 mm]
Product Length	7.1 in [180.5 mm]

Product Weight	34.6 oz [980 g]
Product Width	4.5 in [115.5 mm]
LED Indicators	1 - Enclosure Power LED
LED Indicators	1 - Drive 1 Activity LED
LED Indicators	1 - Drive 2 Activity LED
Center Tip Polarity	Positive
Input Voltage	100~240V
Output Current	3 A
Output Voltage	12 DC
Plug Type	M
Power Adapter Included	Yes
Humidity	20%RH ~ 80%RH
Operating Temperature	5°C to 35°C (41°F to 95°F)
Storage Temperature	-20°C to 50°C (-4°F to 122°F)
Included in Package	1 - USB 3.0/eSATA HDD RAID Enclosure
Included in Package	1 - eSATA Cable
Included in Package	1 - USB 3.0 Cable
Included in Package	1 - Universal Power Adapter
Included in Package	3 - Regional power cords (NA/UK/EU)
Included in Package	1 - Rubber foot set
Included in Package	1 - Instruction Manual
Shipping (Package) Weight	42.4 oz [1200 g]

Certifications, Reports and Compatibility

