

## 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).

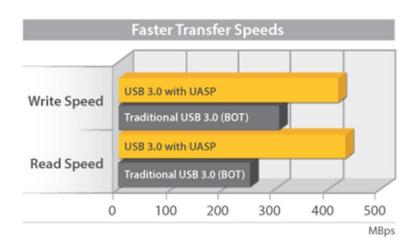
To ensure compatibility with your computer system, the S3520BU33ER supports all of the leading operating systems, including: Microsoft Windows® (8/7/Vista/XP/Server 2008/Server 2003), Apple® OSX (10.9/10.8/10.7/10.6), Linux, and Google Chrome OS™.

It is backed by a StarTech.com 2-year warranty and free lifetime technical support.

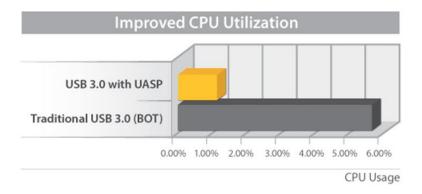
# Improved Performance with UASP

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
Color Black

Enclosure Type Aluminum and Plastic

Product Height 3.3 in [85 mm]
Product Length 6.9 in [176 mm]
Product Weight 21.9 oz [620 g]
Product Width 4.4 in [113 mm]

Chipset ID JM562
Compatible Drive Types (Type and Rate) SATA
Drive Installation Fixed
Drive Size 3.5in

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
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 USB 3.0 - 5 Gbit/s Type and Rate SATA III (6 Gbps)

UASP Support Yes

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

Microsoft WHQL Certified Yes



## Hard-to-find made easy®

# **Spec Sheet**

OS Compatibility

**LED Indicators** 

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Center Tip Polarity

Input Voltage

Output Current

Output Voltage

Plug Type

Power Source

Humidity

Operating Temperature

Storage Temperature

Shipping (Package) Weight

Included in Package

Certifications, Reports and Compatibility









OS independent; No software or drivers required

1 - Enclosure Power LED

1 - Drive 1 Activity LED

1 - Drive 2 Activity LED

Positive

100 ~ 240 AC

3 A

12 DC

Μ

AC Adapter Included

20%RH~80%RH

5°C to 35°C (41°F to 95°F)

-20°C to 50°C (-4°F to 122°F)

47.8 oz [1355 g]

1 - USB 3.0/eSATA HDD RAID Enclosure

1 - eSATA Cable

1 - USB 3.0 Cable

1 - Universal Power Adapter (NA/EU/UK) or AU in Australia

1 - Rubber foot set

1 - Instruction Manual