

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

**Product 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.

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.

## Certifications, Reports and Compatibility

### 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

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#### Hardware

Warranty	2 Years
Fan(s)	Yes
Fans	40 mm
Interface	eSATA
	USB 3.0
Number of Drives	2
Drive Size	3.5in
Compatible Drive Types	SATA

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Drive Installation	Fixed
Number of internal 3.5 inch bays	2
Fan Bearing Type	Ball Bearing
Chipset ID	JMicron - JMS562

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#### Performance

Type and Rate	USB 3.0 - 5 Gbit/s
UASP Support	Yes
Type and Rate	SATA III (6 Gbps)
Port Multiplier	Yes
Hardware Raid Supported	Yes
Supported RAID Modes	RAID 1 (Mirrored Disks)
	BIG (Spanning or Concatenation)
	RAID 0 (Striped Disks)
	JBOD - (Just a Bunch of Disks)
Max Drive Capacity	Currently tested with up to 4TB 7200 RPM hard drive
Hot Swap Capability	Yes
MTBF	30,000 hours

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#### Connector(s)

Drive Connectors	SATA Data & Power Combo (7+15 pin)
Host Connectors	USB Type-B (9 pin) USB 3.0

eSATA (7 pin, Data)

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#### Software

OS Compatibility	OS independent; No software or drivers required
Microsoft WHQL Certified	Yes

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#### Indicators

LED Indicators	Enclosure Power LED
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Drive 1 Activity LED

Drive 2 Activity LED

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#### Power

Power Source	AC Adapter Included
Input Voltage	100 - 240 AC
Output Voltage	12V DC
Output Current	3 A
Center Tip Polarity	Positive
Plug Type	M
Power Consumption (In Watts)	36

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#### Environmental

Operating Temperature	5C to 35C (41F to 95F)
Storage Temperature	-20C to 50C (-4F to 122F)
Humidity	20%RH ~ 80%RH

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#### Physical Characteristics

Color	Black
Material	Aluminum and Plastic
Product Length	6.9 in [17.6 cm]
Product Width	4.4 in [11.3 cm]
Product Height	3.3 in [85.0 mm]
Weight of Product	21.9 oz [620.0 g]

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#### Packaging Information

Package Length	10.1 in [25.6 cm]
Package Width	7.1 in [18.0 cm]
Package Height	5.5 in [14.0 cm]

Shipping (Package) 3.0 lb [1.4 kg]  
Weight

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**What's in the Box**

Included in Package	USB 3.0/eSATA HDD RAID enclosure
	eSATA cable
	USB 3.0 cable
	universal power adapter (NA,EU,UK)
	rubber foot set
	instruction manual

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*\*Product appearance and specifications are subject to change without notice.*

