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.

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Data Sheet

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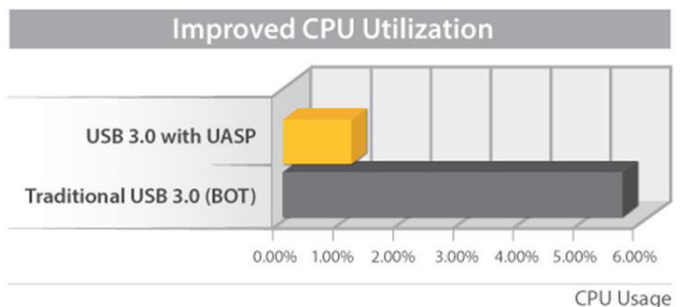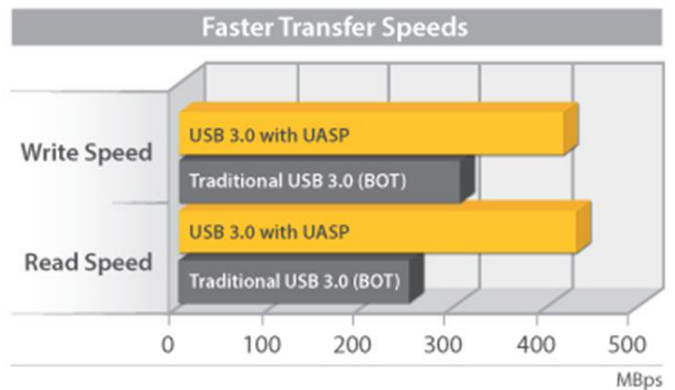
It is backed by a StarTech.com 2-year warranty and free lifetime technical support.

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.

Certifications, Reports and Compatibility

RoHS Compliant
Available

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FC

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

Hardware	Warranty	2 Years
	Chipset ID	JMicron - JMS562
	Compatible Drive Types	SATA
	Drive Installation	Fixed
	Drive Size	3.5in
	Fan Bearing Type	Ball Bearing
	Fan(s)	Yes
	Fans	1 - 40 mm
	Interface	eSATA
		USB 3.0
	Number of Drives	2
	Number of internal 3.5 inch bays	2
Performance	Hot Swap Capability	Yes
	Max Drive Capacity	Currently tested with up to 4TB 7200 RPM hard drive
	MTBF	30,000 hours
	Port Multiplier	Yes
	RAID	Yes
	Supported RAID Modes	BIG (Spanning or Concatenation)
		JBOD - (Just a Bunch of Disks)
		RAID 0 (Striped Disks)
		RAID 1 (Mirrored Disks)
	Type and Rate	USB 3.0 - 5 Gbit/s
		SATA III (6 Gbps)
	UASP Support	Yes
Connector(s)	Drive Connectors	SATA Data & Power Combo (7+15 pin) Receptacle
	Host Connectors	eSATA (7 pin, Data) Female
		USB Type-B (9 pin) USB 3.0 Female
Software	Microsoft WHQL Certified	Yes
	OS Compatibility	OS independent; No software or drivers required
Indicators	LED Indicators	1 - Enclosure Power LED
		1 - Drive 1 Activity LED
		1 - Drive 2 Activity LED

Power	Center Tip Polarity	Positive
	Input Voltage	100 ~ 240 AC
	Output Current	3 A
	Output Voltage	12 DC
	Plug Type	M
	Power Consumption (In Watts)	36
	Power Source	AC Adapter Included
Environmental	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)
Physical Characteristics	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]
Packaging Information	Shipping (Package) Weight	3 lb [1.4 kg]
What's in the Box	Included in Package	1 - USB 3.0/eSATA HDD RAID enclosure
		1 - eSATA cable
		1 - USB 3.0 cable
		1 - universal power adapter (NA,EU,UK)
		1 - rubber foot set
		1 - instruction manual

Product appearance and specifications are subject to change without notice.