

## Rugged Hard Drive Enclosure - USB 3.0 to 2.5in SATA 6Gbps HDD or SSD - UASP

**Product ID:** S251BRU33



This rugged drive enclosure redefines data protection for on-the-go professionals. The military-grade construction protects your sensitive data from harsh field conditions. It makes sure you're equipped for unexpected challenges with a ruggedized water, dust, vibration and shock resistant enclosure.

Keep your data safe and secure even through sudden downpours or dust storms. The robust enclosure provides superior water and dust resistance with an IP54 rating.

The rugged drive enclosure is enveloped in a silicone protective sleeve, and engineered to help protect your drive from accidental and unexpected shock, vibrations, and drops. It's Military MIL-STD-810G rated and test-proven to withstand drops of up to 4 meters (13 feet). It was drop tested using a solid-state drive in the enclosure.

Wherever you go, the rugged drive enclosure delivers reliable data protection, inside and out. The tough-wearing exterior casing provides shock-resistance, while the flexible silicone sleeve hugs the entire perimeter to ensure an extra measure of protection, absorbing the impact of accidental bumps, rough baggage handling or drops. Inside, an extra layer of silicone provides added drive stability.

It's easy to turn your 2.5in SATA III (6Gbps) solid-state drive or hard drive into external storage. Simply remove the silicone sleeve, open the latch to insert your 2.5" drive into the rugged enclosure, and plug the included USB cable into the computer or hub USB port. There are no screws or tools needed.

Save time in the field, by storing and transferring content quickly. Enhanced with UASP (USB Attached SCSI Protocol), this rugged drive enclosure performs with a 70% faster read speed and 40% faster write speed over conventional USB 3.0, when paired with a UASP-enabled host controller.

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 (6Gbps) solid state drive.

The S251BRU33 is backed by a StarTech.com 2-year warranty and free lifetime technical support.

## Certifications, Reports and Compatibility



## Applications

- Protect your data in harsh field conditions with this military-grade portable external storage solution - ideal for desktops, laptops or netbooks
- Create an external USB storage drive using your 2.5in SATA III (6Gbps) solid-state drive or hard drive.
- Add extra storage to any USB-enabled computer system
- Back up important data to an external storage device
- Share large files between computers quickly and securely without a network
- Repurpose your unused 2.5in SATA drive as a rugged external hard drive

## Features

- **INDUSTRIAL DESIGN:** Keep your data secure even through sudden downpours or dust storms; This rugged 2.5in SATA enclosure works with hard drives (HDDs) and solid-state drives (SSDs), and offers strong water and dust resistance with an IP54 rating
- **STURDY CONSTRUCTION:** The tough exterior casing of the 2.5in SATA enclosure provides shock-resistance; Removable silicone sleeve offers additional protection; Military Rated (MIL-STD-810G); Works in extreme temperatures of 0C to 85C (32F to 185F)
- **TOOLLESS INSTALLATION:** Simply remove the silicone sleeve of the USB 3.2 to SATA enclosure, open the latch to insert your 2.5in drive, and connect the included 4.1in (10.4cm) USB-A host cable; Includes foam pad for 7mm drives
- **INCREASED PERFORMANCE:** The USB 3.2 Gen 1 to 2.5in SATA hard drive enclosure gives you greater bandwidth and speed with file transfer rates of up to 5 Gbps, and has been tested with hard drives up to 2TB at 7200 RPM; Equipped with Power and Activity LED
- **THE IT PRO'S CHOICE:** Designed and built for IT Professionals, this rugged hard drive enclosure is backed for 2 years, including free lifetime 24/5 multi-lingual technical assistance

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**Hardware**

Warranty	2 Years
Interface	USB 3.2 Gen 1 (5Gbps)
Bus Type	USB 3.2 Gen 1 (5Gbps)
Industry Standards	MIL-STD-810G, Method 503.5 (Thermal Shock) MIL-STD-810G, Method 514.6 (Vibration) MIL-STD-810G, Method 516.6 (Shock) MIL-STD-810G, Method 507.5 (Humidity) MIL-STD-810G, Method 509.5 (Salt Spray) MIL-STD-810G, Method 510.5, Procedure I (Sand and Dust) MIL-STD-810G, Method 508.6 (Fungus)
Number of Drives	1
Drive Size	2.5in
Compatible Drive Types	SATA
Drive Installation	Fixed
Number of 2.5 inch bays	1
Supported Drive Height(s)	7mm 9.5mm
Chipset ID	ASMedia - ASM1153E

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**Performance**

Maximum Data Transfer Rate	5 Gbps
Type and Rate	USB 3.0 - 5 Gbit/s
UASP Support	Yes
TRIM Support	Yes
4Kn Support	Yes
Type and Rate	SATA III (6 Gbps)
Max Drive Capacity	Tested up to 2TB at 7200 RPM

Hot Swap Capability	Yes
<b>Connector(s)</b>	
Drive Connectors	1 - SATA Data & Power Combo (7+15 pin)
Host Connectors	1 - USB 3.0 Micro-B (10 pin, SuperSpeed)
<b>Software</b>	
OS Compatibility	OS independent; No software or drivers required
<b>Special Notes / Requirements</b>	
Note	Windows 7 and earlier Windows versions do not support TRIM with USB to SATA devices.
<b>Indicators</b>	
LED Indicators	1 - Diagnostic LED (Drive Power and Activity)
<b>Power</b>	
Power Source	USB-Powered
Input Voltage	5V DC
Output Voltage	5 DC
<b>Environmental</b>	
Operating Temperature	0C to 85C (32F to 185F)
Storage Temperature	-40C to 85C (-40F to 185F)
Humidity	20% ~ 95% RH
<b>Physical Characteristics</b>	
Color	Black
Cable Length	4.1 in [103 mm]
Product Length	5.6 in [14.3 cm]
Product Width	4.4 in [11.2 cm]
Product Height	1.1 in [2.9 cm]
Weight of Product	9.4 oz [265.0 g]

**Packaging  
Information**

Package Quantity	1
Package Length	7.2 in [18.4 cm]
Package Width	5.5 in [13.9 cm]
Package Height	2.3 in [5.8 cm]
Shipping (Package) Weight	14.8 oz [418.0 g]

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**What's in the Box**

Included in Package	1 - USB 3.0 rugged 2.5in enclosure
	1 - USB 3.0 cable
	1 - Foam pad for 7mm drives
	1 - Instruction manual

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**Warranty  
Information**

Warranty	2 Years
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*\*Product appearance and specifications are subject to change without notice.*

