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

• Protect your data even in the toughest field conditions

• Military Rated (MIL-STD-810G) drive enclosure provides exceptional shock resistance

• Outstanding water and dust resistance with IP-54 rating

• No tools needed to install or replace the hard drive

• Fast performance with USB 3.0 w/UASP and SATA III (6 Gbps)

• Works even in extreme temperatures of -40 to 85C (-40F to 185F)

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**Hardware**

| | | |
|---|---|---|
| Warranty | 2 Years | |
| Interface | USB 3.0 | |
| Bus Type | USB 3.0 | |
| 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 |

**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 |

**Connector(s)**

| | |
|---|---|
| Drive Connectors | SATA Data & Power Combo (7+15 pin) |
| Host Connectors | USB 3.0 Micro-B (10 pin, SuperSpeed) |

**Software**

| | |
|---|---|
| OS Compatibility | OS independent; No software or drivers required |

**Special Notes / Requirements**

| | Note | Windows 7 and earlier Windows versions do not support TRIM with USB to SATA devices. |
|---|---|---|

**Indicators**

| | LED Indicators | Diagnostic LED (Drive Power and Activity) |
|---|---|---|

**Power**

| | Power Source | USB-Powered |
|---|---|---|

**Environmental**

| | Operating Temperature | -40C to 85C (-40F to 185F) |
|---|---|---|
| | Storage Temperature | -40C to 85C (-40F to 185F) |
| | Humidity | 20% ~ 95% RH |

**Physical Characteristics**

| | Color | Black |
|---|---|---|
| | Cable Length | 4.1 in [10.3 cm] |
| | Product Length | 5.6 in [14.3 cm] |
| | Product Width | 4.4 in [11.2 cm] |
| | Product Height | 1.1 in [29 mm] |
| | Weight of Product | 9.4 oz [265 g] |

**Packaging Information**

| | Package Length | 7.2 in [18.3 cm] |
|---|---|---|
| | Package Width | 5.5 in [13.9 cm] |
| | Package Height | 2.2 in [57 mm] |
| | Shipping (Package) Weight | 14.2 oz [402 g] |

**What's in the Box**

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

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