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Data Sheet

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.

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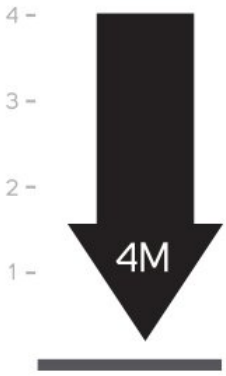
Industry recognized protection against water and dust, with an IP54 rating

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.



Drop tested for 4 meters (13 feet)

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.



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Data protection inside and out

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.



Install your drive with ease, with a tool-less design

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.



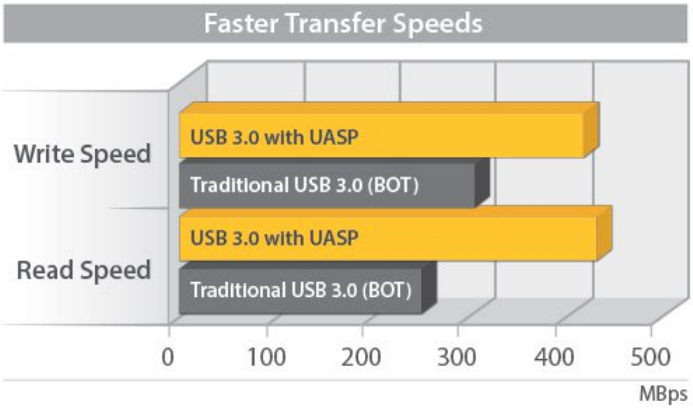
70% faster than traditional USB 3.0, with UASP

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

RoHS Compliant Available

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 85°C (-40°F to 185°F)

	Warranty	2 Years
Hardware	Bus Type	USB 3.0
	Chipset ID	ASMedia - ASM1153E
	Compatible Drive Types	SATA
	Drive Installation	Fixed
	Drive Size	2.5in
	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)
	Interface	USB 3.0
	Number of 2.5 inch bays	1
	Number of Drives	1
	Supported Drive Height(s)	7mm
		9.5mm
Performance	4Kn Support	Yes
	Hot Swap Capability	Yes
	Max Drive Capacity	Tested up to 2TB at 7200 RPM
	Maximum Data Transfer Rate	5 Gbps
	TRIM Support	Yes
	Type and Rate	USB 3.0 - 5 Gbit/s
		SATA III (6 Gbps)
	UASP Support	Yes
Connector(s)	Drive Connectors	1 - SATA Data & Power Combo (7+15 pin) Receptacle
	Host Connectors	1 - USB 3.0 Micro-B (10 pin, SuperSpeed) Female
Software	OS Compatibility	OS independent; No software or drivers required
Indicators	LED Indicators	1 - Diagnostic LED (Drive Power and Activity)
Power	Power Source	USB-Powered
Environmental	Humidity	20% ~ 95% RH
	Operating Temperature	-40°C to 85°C (-40°F to 185°F)
	Storage Temperature	-40°C to 85°C (-40°F to 185°F)

Physical Characteristics	Cable Length	4.1 in [103 mm]
	Color	Black
	Product Height	1.1 in [29 mm]
	Product Length	5.6 in [143 mm]
	Product Weight	9.4 oz [265 g]
	Product Width	4.4 in [112 mm]
Packaging Information	Shipping (Package) Weight	14.2 oz [402 g]
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
	Connector A	1 - SATA Data & Power Combo (7+15 pin) Female
	Connector B	1 - USB 3.0 Micro-B (10 pin, SuperSpeed) Male

Product appearance and specifications are subject to change without notice.