Data Sheet

USB 3.1 (10 Gbps) Enclosure for 2.5” SATA Drives

Product ID: S251BMU313



Now, access your data in record time with the superior performance of USB 3.1 Gen 2 (10 Gbps). This single-drive enclosure gives you a powerful external storage solution.

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Data Sheet

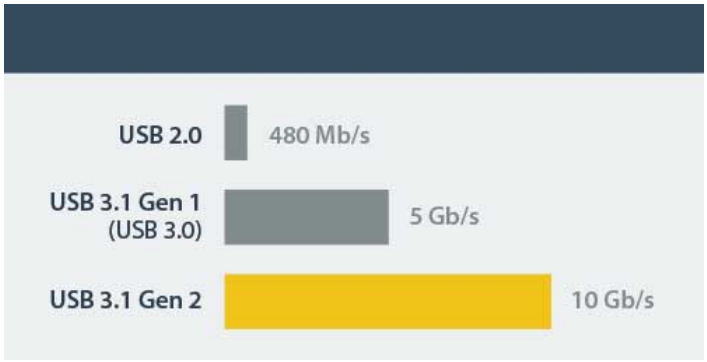


Ultra fast, ultra portable data storage

The enclosure turns your 2.5in SATA solid-state or hard drive into ultra-fast, ultra portable data storage. Its lightweight, compact design allows it to be tucked easily into a laptop bag or carrying case. Engineered with a durable and sleek brushed aluminum housing, it’s equipped to keep your data safe and secure wherever you go.

Harness the speed of USB 3.1 Gen 2

USB 3.1 Gen 2 gives you greater bandwidth and speed with file transfer rates of up to 10 Gbps - twice the speed of USB 3.0 (USB 3.1 Gen 1) technology. It lets you leverage the high performance of the latest SSDs and hard drives, while alleviating bottlenecks in your data transfers.



Powered directly from the USB port

The enclosure connects easily to a host computer through USB 3.1 Gen 2, with no external power required. It is equipped with a USB A to Micro B cable, providing backward compatibility with existing USB ports or hardware. It also provides UASP support for enhanced performance.

The S251BMU313 is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility

RoHS Compliant Available

Applications

- Take advantage of new laptops and desktops with ultra-fast USB 3.1 Gen 2 (10 Gbps) connectivity
- Create a fast, portable external storage solution for desktops, laptops or netbooks with this metal enclosure, providing durable performance in demanding environments
- Use your SATA SSD/HDDs at maximum speed
- Back up important data to an external storage device
- Share large files between computers quickly and securely without a network
- Retrieve data from old SATA drive, or turn the unused drive into additional external storage space

Features

- Create an ultra-fast USB 3.1 Gen 2 (10 Gbps) storage solution for a single 2.5” SSD or HDD drive
- Supports SATA I, II and III (up to 6 Gbps)
- Compact, portable design in a sleek brushed aluminum enclosure
- UASP support for enhanced performance
- Powered directly from the USB port
- USB A to Micro B cable for easy compatibility
- Backward compatible with USB 3.0, 2.0 and 1.x

	Warranty	2 Years
Hardware	Bus Type	USB 3.1 Gen 2
	Chipset ID	ASMedia - ASM1351
	Compatible Drive Types	SATA
	Drive Installation	Fixed
	Drive Size	2.5in
	Fan(s)	No
	Interface	USB 3.1 Gen 2
	Number of Drives	1
Performance	4Kn Support	Yes
	Max Drive Capacity	Currently tested with hard drives up to 2TB at 7200 RPM
	Maximum Data Transfer Rate	10 Gbps
	TRIM Support	Yes
	Type and Rate	USB 3.1 Gen 2 - 10 Gbit/s SATA III (6 Gbps)
	UASP Support	Yes
Connector(s)	Drive Connectors	1 - SATA Data & Power Combo (7+15 pin) Female
	Host Connectors	1 - USB 3.1 USB Type Micro-B (10 pin, Gen 2, 10 Gbps) Female
Software	OS Compatibility	OS independent; No software or drivers required
Indicators	LED Indicators	1 - Power & Activity
Power	Power Source	USB-Powered
Environmental	Humidity	Operation Humidity: 10% ~ 90% RH Storage Humidity: 5% ~ 95% RH
	Operating Temperature	0°C to 40°C (32°F to 104°F)
	Storage Temperature	-10°C to 65°C (14°F to 149°F)
Physical Characteristics	Color	Black
	Enclosure Type	Aluminum
	Max Drive Height	0.4 in [9.5 mm]
	Product Height	0.5 in [12 mm]
	Product Length	4.8 in [123 mm]
	Product Weight	2.8 oz [78 g]

	Product Width	3 in [75 mm]
Packaging Information	Shipping (Package) Weight	5.8 oz [164 g]
What's in the Box	Included in Package	1 - USB 3.1 to SATA enclosure 1 - USB 3.1 A to Micro B cable - 18 inches 1 - 7mm - 9.5mm SSD spacer 1 - protective case 4 - assembly screws 1 - screwdriver 1 - quick start guide

Product appearance and specifications are subject to change without notice.