

## Hot-Swap Hard Drive Bay for 2.5" SATA SSD / HDD - USB 3.1 (10Gbps) Enclosure

**Product ID:** S251BU31REM



This hot-swap hard drive bay turns your 2.5" SATA hard drive or solid-state drive into a removable drive that you can use as a regular external USB 3.1 enclosure.

Mount the removable SATA drive bay into any 3.5" or 5.25" front bay, to provide a hot-swappable mobile rack. This makes it easy to install and remove the drive from the computer system without having to open the case every time, and provides a more convenient way to create backups that you can remove for data recovery and archiving.

If you need access to your data outside of the office, you can use the enclosure portion as a standard USB 3.1 (10Gbps) enclosure -- a powerful external storage solution when you need access to your files while you're on the road.

Simply eject the enclosure from the bay for portable data storage. Its lightweight, compact design makes it easy to tuck into a laptop bag or carrying case. The enclosure includes a Micro-USB to USB-A and a Micro-USB to USB-C cable, so you can plug the enclosure into your laptop and access your data anywhere you go.

For even more versatility, StarTech.com offers the S251BU31REMD, an extra 2.5" SATA Drive Enclosure for the S251BU31REM, providing multiple enclosures that can be swapped in and out of the main computer.

The S251BU31REM backed by a StarTech.com 2-year warranty and free lifetime technical support.

## Certifications, Reports and Compatibility

### Applications

- Add a hot-swap bay to a server or workstation computer, for a removable data backup solution
- Switch between fast internal storage and portable external storage

- Environments where storage drives need to be replaced and removed regularly

## Features

- Hot-swap your 2.5" SSD and HDD drives
- Unique enclosure style design provides the option to use as an internal mobile rack or an external USB 3.1 enclosure
- Access your data offline with a portable USB 3.1 (10Gbps) drive enclosure
- One USB-C to Micro-USB cable and one USB-A to Micro-USB cable included for compatibility with your USB-C and USB-A laptop
- Front-mount drive bay design installs into any standard 3.5" or 5.25" bay
- Push-button drive ejection from the front-mount bay
- High-quality vented metal enclosure provides enhanced heat dissipation
- Compatible with SATA revision 1/2/3 (1.5/3.0/6.0Gbps) drives
- Supports 2.5" form factor SATA hard drives (HDD) and solid-state drives (SSD)

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## Hardware

Warranty	2 Years
Front Door Key Lock	No
Interface	SATA
	USB 3.1 Gen 2
Bus Type	USB 3.1 Gen 2
Number of Drives	1
Drive Size	2.5in
Compatible Drive Types	SATA
Drive Installation	Removable
Supported Drive Height(s)	5mm
	7mm
	9.5mm

Chipset ID                      ASMedia - ASM1351

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**Performance**

Maximum Data Transfer Rate	10Gbps
Type and Rate	USB 3.1 Gen 2 - 10 Gbit/s
UASP Support	Yes
TRIM Support	Yes
4Kn Support	Yes
Type and Rate	SATA III (6 Gbps)
Max Drive Capacity	Currently tested with hard drives up to 2TB at 7200 RPM.
MTBF	100,000 hours

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**Connector(s)**

Drive Connectors	SATA Data & Power Combo (7+15 pin)
Host Connectors	USB 3.1 USB Type Micro-B (10 pin, Gen 2, 10 Gbps)
	SATA (7 pin, Data)
	SP4 (4 pin, Small Drive Power)

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**Software**

OS Compatibility	OS independent; No software or drivers required
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**Special Notes / Requirements**

System and Cable Requirements	Available 3.5" or 5.25" front bay
	Available internal SATA data connector
	Available SATA or LP4 Molex internal power connector
Note	Windows 7 and earlier Windows versions do not support TRIM with USB to SATA devices.

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**Indicators**

LED Indicators	Power(Green)
	Activity(Red)

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## Power

Power Source	USB-Powered
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## Environmental

Operating Temperature	0C to 40C (32F to 104F)
Storage Temperature	-10C to 65C (14F to 149F)
Humidity	Operation Humidity: 10% ~ 90% RH Storage Humidity: 5% ~ 95% RH

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## Physical Characteristics

Color	Black
Material	Aluminum and Plastic
Max Drive Height	0.4 in [9.5 mm]
Product Length	6.1 in [15.5 cm]
Product Width	5.7 in [14.6 cm]
Product Height	1.6 in [41.6 mm]
Weight of Product	15.0 oz [426.0 g]

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## Packaging Information

Package Length	9.4 in [23.9 cm]
Package Width	6.2 in [15.7 cm]
Package Height	3.1 in [79.0 mm]
Shipping (Package) Weight	25.2 oz [715.0 g]

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## What's in the Box

Included in Package	2.5" SATA enclosure 3.5" front-panel drive bay 3.5" to 5.25" front bay adapter bracket SATA data cable
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SATA power cable

Molex power cable

USB-C to Micro-B cable

USB-A to Micro-B cable

set of drive-mounting hardware

bay-mounting screws

bracket-mounting screws

quick-start guide

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

