USB to mSATA Converter for Raspberry Pi and Development Boards

Product ID: PIB2MS1

Increase the data storage capacity of your Raspberry Pi or other development board, by connecting it directly to an mSATA drive. Perfect for custom projects and applications, this USB to mSATA converter supports all models of Raspberry Pi as well as other development boards.

Add storage capacity to your development board

This convenient USB 2.0 mSATA converter lets you overcome data storage limitations by enabling you to connect an mSATA drive through your board's USB-A port.

A convenient integrated solution

The USB to mSATA converter integrates seamlessly with your existing development board. It's the perfect addition for development-board based applications such as surveillance, media players and servers, digital signage and IoT/automation solutions. It allows you to utilize your mSATA drives with your development board, and take advantage of the small form factor of mini-SATA, ideal for applications with space limitations.

Easy to install

Compatible with SATA I, SATA II and SATA III drives, the converter is easy to install and doesn't require any device driver installation. It comes with a USB cable and all mounting accessories, including standoffs, so integrating it with your Raspberry Pi is fast and easy.

StarTech.com provides industry-leading support to get you up and running quickly. The PIB2MS1 is backed by a StarTech.com 2-year warranty and free lifetime technical support.

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Certifications, Reports and Compatibility

RoHS & REACH
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COMPLIANT

Applications

- Increase data storage for Raspberry Pi and other development boards to create custom applications
- Develop solutions for business applications such as: surveillance; media applications, like news boards; simple servers to host a website or video; and IoT/automation solutions such as lighting and temperature control
- Create custom development-board based applications for home use

Features

- Add an mSATA SSD drive to your Raspberry Pi development board to increase data storage
- Supports SATA I, II and III mSATA SSD drives
- USB 2.0 with data transfer speeds up to 480Mbps
- Supports mini-SATA drives (full size)
- OS independent with no device driver installation required
- Includes USB cable and mounting accessories for Raspberry Pi

Hardware	Warranty	2 Years
	Bus Type	USB 2.0
	Chipset ID	Renesas/NEC - µPD720231A
	Compatible Drive Types	mSATA (Mini SATA)
	Drive Size	mSATA (Full Size)
	Interface	USB 2.0
	Number of Drives	1
Performance	Maximum Data Transfer Rate	480 Mbps
	MTBF	5,077,966 hrs
	RAID	No
	Type and Rate	USB 2.0 - 480 Mbit/s
		SATA III (6 Gbps)
Connector(s)	Drive Connectors	1 - mSATA (52 pin, Mini SATA) Slot
	Host Connectors	1 - USB Micro-B (5 pin)
Software	OS Compatibility	OS independent; No software or drivers required
Power	Power Source	USB-Powered
Environmental	Humidity	15% ~ 90% RH
	Operating Temperature	5°C to 50°C (41°F to 122°F)
	Storage Temperature	-25°C to 70°C (-13°F to 158°F)
Physical Characteristics	Color	Red
	Product Height	0.4 in [1.1 cm]
	Product Length	2.6 in [65 mm]
	Product Width	2.2 in [55 mm]
	Weight of Product	0.6 oz [18.2 g]
Packaging Information	Package Height	1.3 in [32 mm]
	Package Length	6.9 in [17.5 cm]
	Package Width	5.7 in [14.4 cm]
	Shipping (Package) Weight	3.5 oz [100 g]
What's in the Box	Included in Package	1 - USB to mSATA converter
		1 - USB-A to Micro-B cable

4 - standoffs

4 - nuts

4 - screws

2 - mSATA mounting screws

1 - quick-start guide

Product appearance and specifications are subject to change without notice.