

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.

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.

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.

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.

Certifications, Reports and Compatibility

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
Interface	USB 2.0
Bus Type	USB 2.0
Number of Drives	1
Drive Size	mSATA (Full Size)
Compatible Drive Types	mSATA (Mini SATA)
Chipset ID	Renesas/NEC - PD720231A

Performance

Maximum Data Transfer Rate	480 Mbps
Type and Rate	USB 2.0 - 480 Mbit/s SATA III (6 Gbps)
Hardware Raid Supported	No
MTBF	5,077,966 hrs

Connector(s)

Drive Connectors	mSATA (52 pin, Mini SATA) Slot
Host Connectors	USB Micro-B (5 pin)

Software

OS Compatibility	OS independent; No software or drivers required
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Power

Power Source	USB-Powered
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Environmental

Operating Temperature	5C to 50C (41F to 122F)
Storage Temperature	-25C to 70C (-13F to 158F)
Humidity	15% ~ 90% RH

Physical Characteristics

Color	Red
Product Length	2.6 in [65.0 mm]
Product Width	2.2 in [55.0 mm]
Product Height	0.4 in [11.0 mm]
Weight of Product	0.6 oz [18.2 g]

Packaging Information

Package Length	6.9 in [17.5 cm]
Package Width	5.7 in [14.4 cm]
Package Height	1.3 in [32.0 mm]
Shipping (Package) Weight	3.5 oz [100.0 g]

What's in the Box

Included in Package	USB to mSATA converter
	USB-A to Micro-B cable
	standoffs
	nuts
	screws
	mSATA mounting screws



quick-start guide

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

