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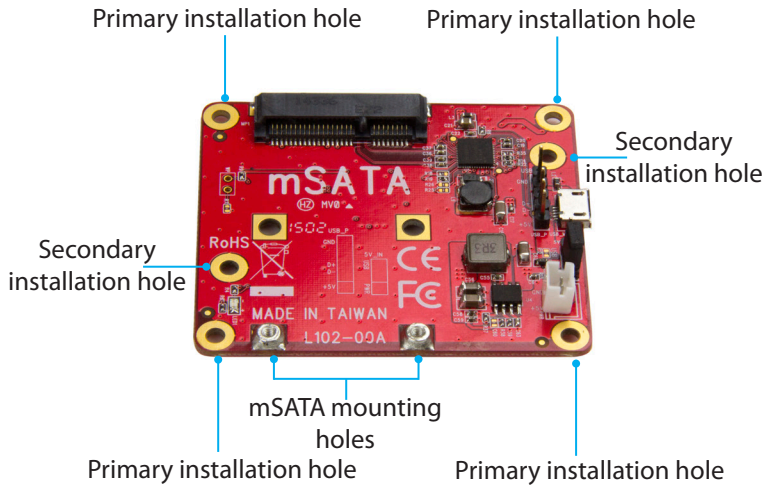## USB to mSATA Converter for Raspberry Pi and Development Boards

PIB2MS1

FR: Guide de l'utilisateur - fr.startech.com
DE: Bedienungsanleitung - de.startech.com
ES: Guía del usuario - es.startech.com
NL: Gebruiksaanwijzing - nl.startech.com
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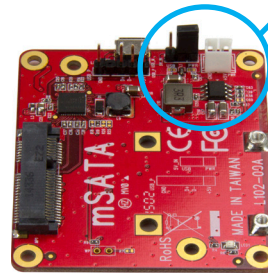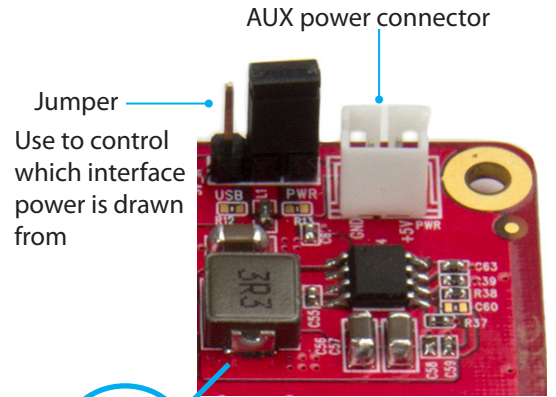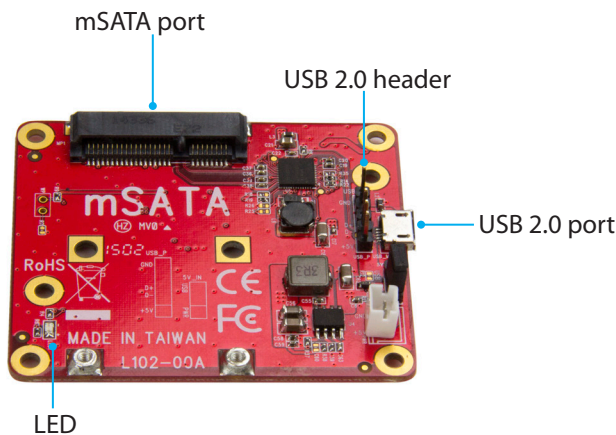**IT:** Guida per l'uso - it.startech.com

Introduction

You can use the PIB2MS1 to connect an mSATA drive to a development board to increase data storage capacity and performance. The PIB2MS1 supports SATA I, SATA II, and SATA III drives, mini mSATA drives, and mSATA SSDs.
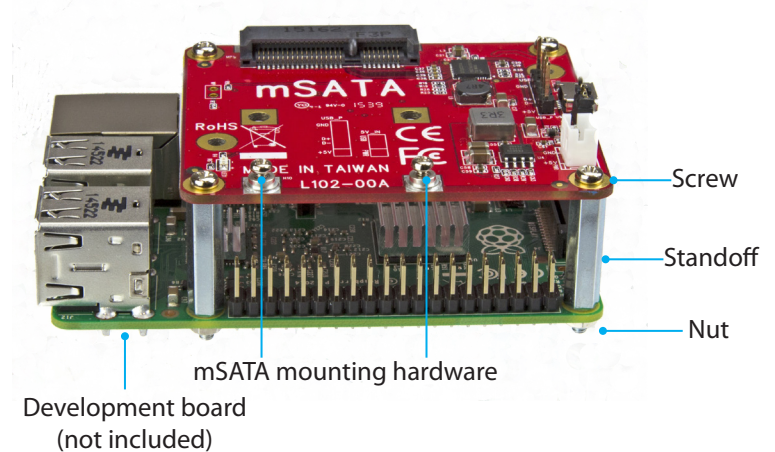
Product diagram

Primary installation hole
Primary installation hole
Secondary installation hole
Secondary installation hole
mSATA mounting holes
Primary installation hole
Primary installation hole

*actual product may vary from photos

mSATA port
USB 2.0 header
USB 2.0 port
LED

AUX power connector
Jumper
Use to control which interface power is drawn from

Jumper position	Mode
▭ •	USB powered
• ▭	AUX powered

Converter installed on a development board

Screw
Standoff
Nut
mSATA mounting hardware
Development board (not included)

Package contents

- 1 x USB to mSATA converter
- 1 x USB-A to Micro-B cable
- 4 x standoffs
- 4 x nuts
- 4 x screws
- 2 x mSATA mounting screws
- 1 x quick-start guide

For the latest information, technical specifications, and support for this product, please visit www.StarTech.com/PIB2MS1.

Manual Revision: 01/10/2017

About the LED indicator

The PIB2MS1 has a green LED indicator that illuminates to indicate activity.

Requirements

• mSATA drive
• Development board, for example, Raspberry Pi (not included)
• Screwdriver

This converter is OS independent and doesn't require any additional drivers or software.

Requirements are subject to change. For the latest requirements, please visit www.StarTech.com/PIB2MS1.

Install a drive in the converter

1. Use a screwdriver (not provided) to remove the two **mSATA mounting screws** from the **mSATA mounting holes** on the converter.
2. Gently slide the mSATA connector on your drive into the corresponding connector on the **mSATA port** on the converter.
Note: The connector on your drive is keyed so that it only fits one way.
3. Insert the **mSATA mounting screws** that you removed in step 1 through the mounting holes on the drive and into the **mSATA mounting holes** on the converter, and tighten the screws in place.

To remove a drive, use a screwdriver to remove the **mSATA mounting hardware** that is holding the drive in place and pull the drive out of the converter.

Install the converter

Warning! Drives and converters should be handled carefully, especially when they're transported. If you're not careful with your drives, you may lose data as a result. Always handle storage devices with caution. Make sure that you're properly grounded by wearing an anti-static strap when you install any computer component. If an anti-static strap isn't available, touch a large, grounded metal surface for several seconds to discharge any built-up static electricity.

1. Place the provided standoffs into the installation holes on the development board (not included).
2. To affix the standoffs in place, screw the provided nuts onto the standoff threads on the reverse side of the development board.
3. Line up the **Installation holes** on the converter with the standoffs affixed to the development board.
4. Insert the provided screws into the **Installation holes** on the converter and into the standoffs, and tighten them in place.
5. Connect the provided USB-A to Micro-B cable to the **USB 2.0 port** on the converter and to the USB port on the development board.