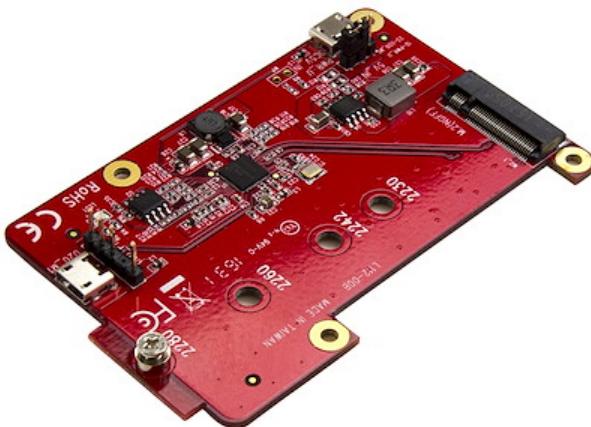


## USB to M.2 SATA Converter for Raspberry Pi and Development Boards - TAA

**Product ID:** PIB2M21



Increase the data storage capacity of your Raspberry Pi or other development board, by connecting it directly to an M.2 NGFF SATA SSD. Perfect for custom projects and applications, this USB to M.2 SATA converter supports all models of Raspberry Pi as well as other development boards.

This convenient USB 2.0 to M.2 SATA converter lets you overcome data storage limitations of your development board by enabling you to connect an M.2 SATA drive through your board's USB-A port.

The USB to M.2 SATA 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 enables you to utilize your M.2 SATA drives with your dev board, and take advantage of the small form factor of M.2 SATA which makes it ideal for applications with space limitations.

Compatible with M.2 SATA drives (2230, 2242, 2260, and 2280), 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 PIB2M21 is backed by a StarTech.com 2-year warranty and free lifetime technical support.

**Note:**

This converter works with M.2 SATA SSDs only. To see which type of M.2 drive you have, simply look at the number of notches (or keys) on the drive end that connects with the M.2 socket. SATA-based M.2 drives have two notches (an M key and a B key), while PCIe-based M.2 drives have just one notch (an M key).

Raspberry Pi is a trademark of the Raspberry Pi Foundation

## 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 such as 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 M.2 SATA SSD drive to your Raspberry Pi development board to increase data storage
- M.2 SATA drives (including 2230, 2242, 2260 and 2280 drive heights)
- USB 2.0 with data transfer speeds up to 480Mbps
- OS independent with no device driver installation required
- Includes USB cable and mounting accessories for Raspberry Pi

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### Hardware

Warranty	2 Years
Interface	USB 2.0
Bus Type	USB 2.0
Number of Drives	1
Drive Size	22m - M.2 NGFF
Compatible Drive Types	M.2 (SATA, B-Key, NGFF)
Supported Drive Height(s)	2230 2242 2260 2280
Chipset ID	Renesas/NEC - PD720231A

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**Performance**

Type and Rate	USB 2.0 - 480 Mbit/s
	SATA III (6 Gbps)
Hardware Raid Supported	No
MTBF	5,839,751 hrs

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**Connector(s)**

Drive Connectors	1 - M.2 (SATA, B-Key, NGFF)
Host Connectors	1 - USB Micro-B (5 pin)
Other Interface(s)	1 - USB Micro-B (5 pin) (Power)

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**Indicators**

LED Indicators	1 - Activity
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**Power**

Power Source	USB-Powered
Input Voltage	5V DC
Output Voltage	5 DC

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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

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**Physical Characteristics**

Color	Red
Max Drive Height	3.1 in [80 mm]
Product Length	3.5 in [88 mm]
Product Width	2.2 in [5.6 cm]
Product Height	0.4 in [1.1 cm]
Weight of Product	0.7 oz [21 g]

**Packaging  
Information**

Package Quantity	1
Package Length	6.9 in [17.4 cm]
Package Width	5.6 in [14.3 cm]
Package Height	1.3 in [3.3 cm]
Shipping (Package) Weight	3.7 oz [106.0 g]

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**What's in the Box**

Included in Package	1 - USB to M.2 SATA converter
	1 - USB-A to Micro-B cable
	1 - set of converter-mounting hardware
	1 - set of drive-mounting hardware
	1 - quick-start guide

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**Warranty  
Information**

Warranty	2 Years
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*\*Product appearance and specifications are subject to change without notice.*

