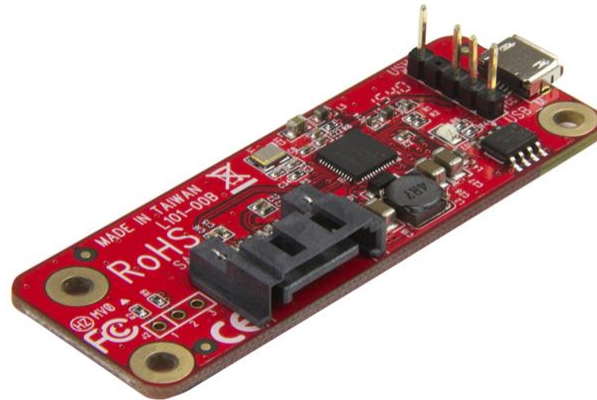


## USB to SATA Converter for Raspberry Pi and Development Boards

Product ID: PIB2S31



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

This convenient USB 2.0 SATA converter lets you overcome data storage limitations by enabling you to connect a SATA drive or SATA optical drive through your board's USB-A port. This enables you to access a wide variety of storage formats including solid-state drives or hard drives, DVD-ROM drives or CD-ROM drives.

The USB to 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.

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 PIB2S31 is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Raspberry Pi is a trademark of the Raspberry Pi Foundation

### Certifications, Reports and Compatibility



### Applications

- Increase data storage capacity and capabilities for Raspberry Pi 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

- Connect your Raspberry Pi board to any SATA device: SSD, HDD, DVD-ROM, DVD-RW, CD-ROM, or CD-RW
- Supports SATA I, II and III
- 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

|                      |                            |   |
|----------------------|----------------------------|---|
| <b>Hardware</b>      | Warranty                   | 2 Years   |
|                      | Interface                  | USB 2.0   |
|                      | Bus Type                   | USB 2.0   |
|                      | Number of Drives           | 1   |
|                      | Compatible Drive Types     | SATA  |
|                      | Chipset ID                 | Renesas/NEC - PD720231A                         |
| <b>Performance</b>   | Maximum Data Transfer Rate | 480 Mbps  |
|                      | Type and Rate              | USB 2.0 - 480 Mbit/s                            |
|                      | Type and Rate              | SATA III (6 Gbps)                               |
|                      | Hardware Raid Supported    | No  |
|                      | ATAPI Support              | Yes   |
|                      | MTBF                       | 6,481,043 hrs                                   |
| <b>Connector(s)</b>  | Drive Connectors           | 7 pin SATA Data Plug                            |
|                      | Host Connectors            | USB Micro-B (5 pin)                             |
| <b>Software</b>      | OS Compatibility           | OS independent; No software or drivers required |
| <b>Power</b>         | Power Source               | USB-Powered                                     |
| <b>Environmental</b> | Operating Temperature      | 5C to 50C (41F to 122F)                         |
|                      | Storage Temperature        | -25C to 70C (-13F to 158F)                      |
|                      | Humidity                   | 15% ~ 90% RH                                    |

|                                 |                   |                |
|---------------------------------|-------------------|----------------|
| <b>Physical Characteristics</b> | Color             | Red            |
|                                 | Product Length    | 2.6 in [66 mm] |
|                                 | Product Width     | 0.9 in [23 mm] |
|                                 | Product Height    | 0.4 in [11 mm] |
|                                 | Weight of Product | 0.3 oz [7.6 g] |

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|                              |                           |                 |
|------------------------------|---------------------------|-----------------|
| <b>Packaging Information</b> | Package Length            | 7.0 in [1.8 cm] |
|                              | Package Width             | 5.6 in [1.4 cm] |
|                              | Package Height            | 1.3 in [32 mm]  |
|                              | Shipping (Package) Weight | 2.5 oz [70.4 g] |

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|                          |                     |                        |
|--------------------------|---------------------|------------------------|
| <b>What's in the Box</b> | Included in Package | USB to SATA converter  |
|                          | Included in Package | USB-A to Micro-B cable |
|                          | Included in Package | standoffs              |
|                          | Included in Package | nuts                   |
|                          | Included in Package | screws                 |
|                          | Included in Package | quick-start guide      |

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

