

USB to SATA Converter for Raspberry Pi and Development Boards

StarTech 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.

Add data storage and enhanced capabilities to your development board

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.

A convenient integrated solution

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.

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 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

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

Technical Specifications

Warranty	2 Years
Bus Type	USB 2.0
Chipset ID	Renesas - μ PD720231A
Compatible Drive Types (Type and Rate)	SATA
Interface	USB 2.0
Number of Drives	1
ATAPI Support	Yes
Maximum Data Transfer Rate	480 Mbps
MTBF	6,481,043 hrs
Type and Rate	USB 2.0 - 480 Mbit/s
Type and Rate	SATA III (6 Gbps)
Drive Connectors	1 - 7 pin SATA Data Plug
Host Connectors	1 - USB Micro-B (5 pin)
OS Compatibility	OS independent; No software or drivers required
Power Source	USB-Powered
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)
Color	Red
Product Height	0.4 in [11 mm]
Product Length	2.6 in [66 mm]
Product Weight	0.3 oz [7.6 g]
Product Width	0.9 in [23 mm]
Shipping (Package) Weight	2.5 oz [70.4 g]
Included in Package	1 - USB to SATA converter
Included in Package	1 - USB-A to Micro-B cable
Included in Package	2 - standoffs
Included in Package	2 - nuts
Included in Package	2 - screws
Included in Package	1 - quick-start guide

Certifications, Reports and Compatibility

