

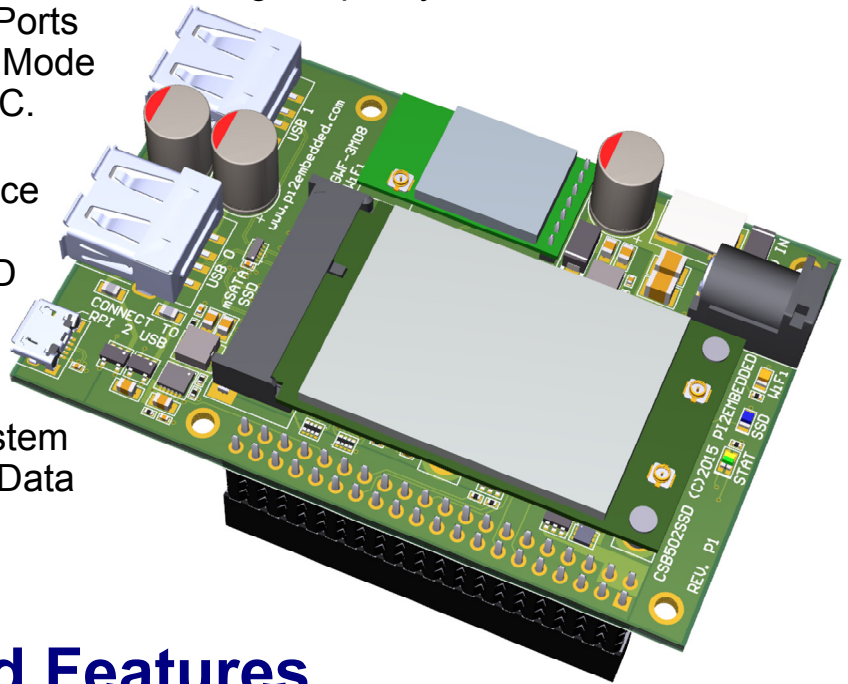
CSB502SSD

Raspberry Pi 2 Shield

Introduction and Overview

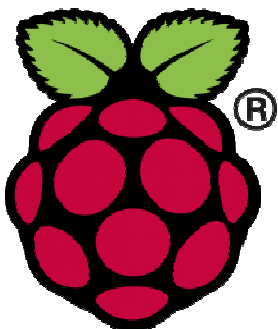
The CSB502SSD, designed and manufactured by Pi 2 Design, is a professional I/O Shield designed for the low cost Raspberry Pi 2 (RPi 2) computer. This shield converts one RPi 2 USB Host Port to a high capacity mSATA SSD Drive (up to 1TB), Dual USB 2.0 Host Ports and 802.11b/g/n WiFi w/Soft-AP Mode Support, and Battery Backed RTC.

Coupled with the high performance Raspberry Pi 2 with Quad Core Cortex-A7 CPU, the CSB502SSD creates a low cost, embedded network storage device. This powerful combination enables you to leverage the RPi 2 ecosystem for a wide variety of Embedded, Data Storage, Medical and Industrial applications.



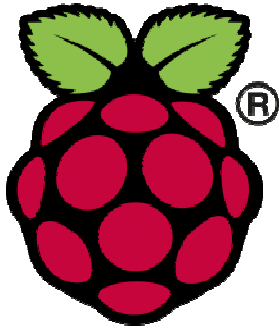
Specifications and Features

- **FORM FACTOR** – Full Size Raspberry Pi 2 I/O Shield with 40-Pin mating connector. Stacking and Non-Stacking versions are available.
- **USB PORTS** – Two USB2.0 Type A for additional USB expansion.
- **SSD** – PL2571 Controller and mSATA Socket for up to 1TeraByte on-board Storage.
- **WiFi** – GWF-3M08 Module (Based on Ralink RT537) provides 802.11b/g/n for up to 150Mbps. On-Module IPEX connector allows for optimal antenna placement.
- **RTC WITH BATTERY** – DS1339 Real Time Clock with 16mm Coin Cell Backup and Programmable Alarm.
- **TEMP SENSOR** – 1-Wire DS18B20 Temperature Sensor mounted below SSD to monitor health of drive. Additionally the DS18B20 has a unique 64-Bit ID that can be used to identify the shield.
- **ON-BOARD POWER SUPPLY** – Wide-Input 5V @ 4A supply powers all peripherals as well as the RPi 2.



Pi 2 Design

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