

## RaspberryPi-B1 - Product Details and Specifications- 24 April 2017

### Product Details

Complete Evaluation and Software Development Board for the RFID-B1 module (supporting ISO 14443A, Mifare 1k, Mifare 4k, Ultralight, Ntag2XX card/tag types) on the RaspberryPi Hat format. This board is also suitable for use as a standalone OEM reader/writer product of these transponder types. The RaspberryPi-B1 module is an expansion of the RFID B1 module - the second in an evolving family of 13.56MHz sub assemblies from Eccel Technology Ltd (IB Technology). This product is an ideal design choice if the user wishes to add RFID capability to their design quickly and without requiring extensive RFID and embedded software expertise and time. It is an ideal project board for teaching and development using the RaspberryPi. An on board low power ARM microcontroller handles the RFID configuration setup and provides the user with a powerful yet simple command interface to facilitate fast and easy read/write access to the memory and features of the various transponders supported by this module. This device is designed to be compatible with the Raspberry Pi Hat standard.

Operating Frequency : 13.56MHz

Read/Write Range : Up to 100mm.

Supports : Mifare1K, Mifare4K, Ultralight, Icode-SLi. Serial number read only of Desfire, Mifare Plus.

Power Supply: From RaspberryPi connection.

Operating temperature range: -40° C to + 85° C.

### Standards

ISO14443A.

### RFID - Eccel Technology

### Specifications

Component Type	Development/ Evaluation for RFID-B1 on RaspberryPi platform.
Supported Bus Interfaces	RaspberryPi
Supply Voltage	3.3V (Taken from RaspberryPi supply)