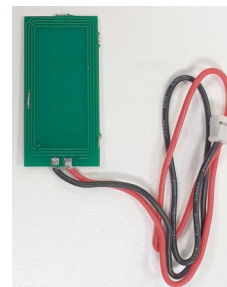
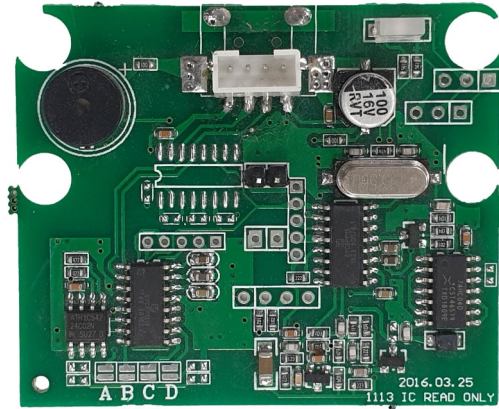


13.56MHz ISO4443A MIFARE

- 13.56MHz Reader Module
- ISO/IEC 14443 TypeA
- Cards/Tags Supported:
Mifare (S50, S70, ntag203 etc.)
- Read Range upto 100mm
- Supply +5Vdc @100mA
- USB Data output
- Baud rate 9600bps or 115200bps
- Communications speed 106Kbit/s
- Module Dimensions:
 - Module 44 × 58mm
 - Antenna 55 x 73mm or
 - Antenna 40 x 20mm



Antenna



USB Cable

Applications

- Asset/Stock Tagging
- Access control
- Payment systems
- Identification Control

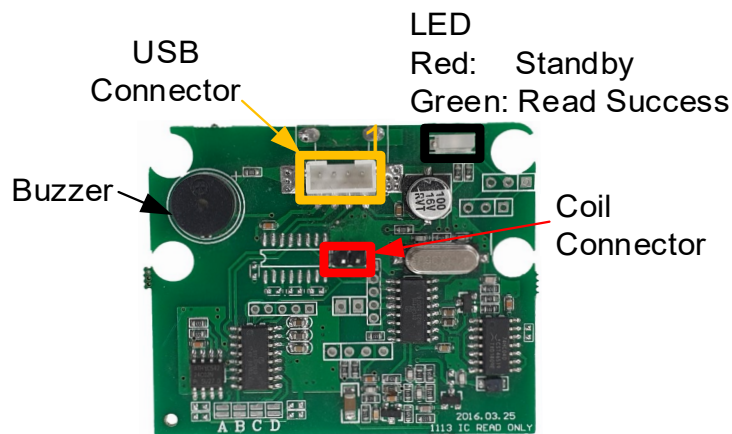
Description

A Compact RFID reader module for use in general purpose RFID applications. Whenever the compatible RFID tag is brought within range the module will output a 10 digit decimal USB serial data stream with the tag data

The module is compatible with all known ISO4443A compatible cards and Tags and provides a simple plug in solution to passive tag interface.

Part Number	Description
RFID3-13R5VUSB	13.56MHz 5V Reader with USB output

Dimensions and Connections



Using the RFID3-13R5USB Reader

The RFID3-13R5USB is an NFC reader for 13.4MHz RFID cards for MiFare cards. Measuring just 47mm x 57mm, this is an ideal unit for simple access control, time keeping and general tracking applications.

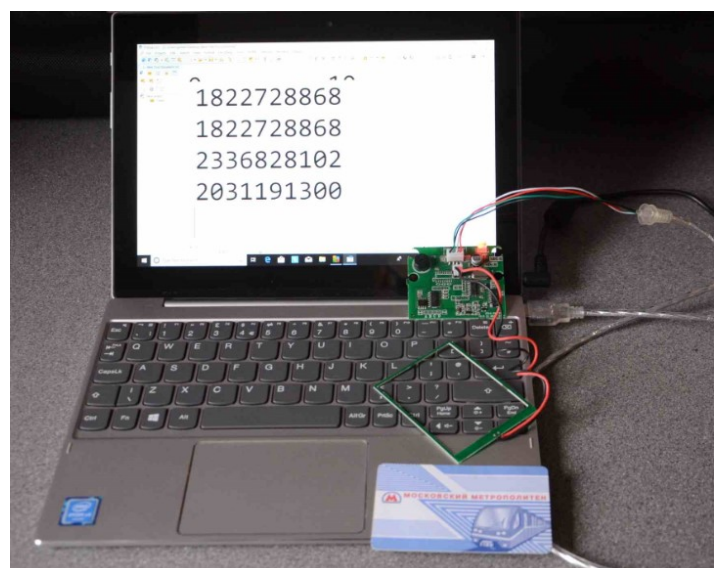
The board is powered via the +5V supply derived from the USB connection. The 4 pin SIL connector can be replaced with a standard type A USB plug if preferred. The board also holds a LED, a buzzer and a 2 pin connector for the coil.

When the reader is plugged in to the PC, the Reader appears as an HID device and behaves like a keyboard.

With a coil fitted and the LED showing constant RED, when a card is presented to the reader, the LED will pulse GREEN, the buzzer will sound and the data is sent via the USB port.

The easiest way to show this is open a new text document and with the focus on the document present a card to the reader. The LED will pulse green and the buzzer will sound. The card ID of 10 digits will be written to the document followed by a <CR> <LF>

This shows the Card reader and one of the coil options with a standard sized MiFare card. The numbers shown on the screen are typical output from the cards.



Technical Specifications

Operating Temperature 0 - 80 °C

Weight ~20g

Electrical Characteristics	Min	Typical	Max	Units
Supply Voltage		5.0		V
Read Time			200	mSecs
Read Interval			500	mSecs

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