

MR - Mifare Read Write Device

1.0 Description

This reader module is a compact device designed for simple integration into existing applications such as terminal, payment system, access control, handheld devices and etc. It includes an etched antenna on the back of the reader, and the reading range can go up to 70mm depending on the tag.

1.1 Features

- 1.1.1 Support ISO 14443 Mifare type A,
- 1.1.2 Serial or USB interface,
- 1.1.3 PCB antenna included,
- 1.1.4 LED and buzzer indicators,
- 1.1.5 Compact size.

1.2 Electrical Specification

Item	Description	Specification
1	Operating frequency	13.56MHz
2	Baud rate	9600
3	Interface	RS232 / RS485 / USB
4	Antenna	On board direct match antenna
5	Supply Voltage	5.0V (USB), 7.5 – 13V (Serial)
6	Current Consumption	< 100 mA
7	Temperature	00°C - 70°C
8	Size	Depends on the model
9	Reading range	Up to 70mm depending on tag
10	Support ability	Mifare [®] Classic (1K and 4K), Ultralight, Desfire and Plus

1.3 Mechanical Specification

1.3.1 Model : MR-USB



Size: 97 mm x 62 mm x 13 mm

1.3.2 Model : MR-S

PIN	Description
1	V+
2	V-
3	RS485 A
4	RS485 B
5	RS232 RX
6	RS232 TX

Size: 64 mm x 56 mm x 11.5 mm

The size is measured without taking in the 6 connection pins.

The 4 mounting holes are 3.0mm each, and they are 3.0mm from the edge.

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