

Mifare® Contactless Smart card

Reader/Writer



This plug and play reader/writer 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. In addition, user may tune the on-board trimmer to get better operating distance.

Specifications

Description	Specifications / Functions
Input voltage	Regulated 5V
Current consumption	< 160 mA
Reader technology	Mifare Contactless smart card
Type of card	Mifare Standard (1K), standard (4K), and ISO14443B card
Communication Interface	RS232 (MFR1000RDS) USB (MFR1000RDU)
Baud rate	9600 bps for MFR1000RDS
Reading range	Up to 70mm depends on TAG and card quality
Antenna	Built-in 69mm x 39mm direct match antenna
Dimension	Casing: L115 mm x W75 mm x H16 mm Module: L74mm x W45 x H10mm
Indicator	Bi-colour LED indicator
Operating frequency	13.56 MHz
Anti-collision	True anti-collision to read two cards simultaneously
Security	16 pairs of Write-only Key A and Key B

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Features

- ❑ Full Mifare® functionality
- ❑ Support ISO 14443 type A and B
- ❑ Serial Interface and USB interface
- ❑ PCB antenna included
- ❑ Power LED and Operation LED
- ❑ Compact size
- ❑ Window based SDK available, suitable for VC++ and VB developers
- ❑ Sample source code (VB) available
- ❑ Read MyKad (with Touch n Go) and Touch n Go Card Serial Number.
- ❑ Reader PCB Module available

Models

- ❑ **MFR1000RDS**
Serial Interface Reader with casing
- ❑ **MFR1000RDU**
USB Interface Reader with casing
- ❑ **MFR1000M**
Reader/Writer PCB Module

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