

## RFR811M Mifare chips reader/writer, USB (VCP)

RFR811 is a tiny NFC card reader & writer, which is designed for the applications for handy terminals or custom-built for system integrators. We offer technology documents and SDK to help customers to make their own things easier. Users can easily connect it with either UART or USB interface by through FPC connector.

### Main features of the NFC reader & writer RFR811



- Supports Near Field Communication (NFC) Standards
- Completely Integrated Protocol Handling for ISO15693, ISO 14443A/B, MIFARE and FeliCa
- Operation Voltage 5 Vdc
- Module supports UID reading function, Mifare (APDU command) read/write or ISO 15693 read/write(NDEF format) in different models
- Standard 50 Ohm Antenna Output Port
- UART or USB Interface, easy to change between those modes
- Antenna is optional



# Technical Description

## Functionality & Operation

RFID transponder protocols	MIFARE Classic, MIFARE Classic 1K
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Frequency	13.56 MHz
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Communication interface	USB
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## Optical

Depth of scan field	5 cm
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## Electrical

Power Source	+5 VDC $\pm 5\%$ , 200 mA
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## Mechanical

Color	black
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Dimensions	Width: 90mm, Height: 90mm Length: 17mm
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Weight	125g
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Body housing	ABS plastic with rubber
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## Environment

Storage temperature	-20 to 70°C
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Operating temperature	0 to 50°C
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Operating humidity (non-condensing)	20 to 95%
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## Others

Certifications	CE, FCC, LVD
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