

**Specifications:-****RC522 RFID 13.56MHz Reader Writer Module Features:-**

- Integrated MF RC522
- 13.56MHz contactless communication card chip.
- Low-voltage, low-cost, small size of the non-contact card chip to read and write.
- Suitable for Smart meters and portable handheld devices.
- Advanced modulation and demodulation concept completely integrated in all types of 13.56MHz passive contactless communication methods and protocols.
- 14443A compatible transponder signals.
- ISO14443A frames and error detection.
- Supports rapid CRYPTO1 encryption algorithm, terminology validation MIFARE products.
- MFRC522 support MIFARE series of high-speed non-contact communication, two-way data transmission rate up to 424kbit/s.
- Low cost, and ideal for user equipment development.
- The reader and RF card terminal design meets advanced applications development and production needs.
- Can be directly loaded into the various reader molds, very convenient.

**RC522 RFID 13.56MHz Reader Writer Module Specifications:-**

- Operating Current :13-26mA / DC 3.3V
- Idle Current :10-13mA / DC 3.3V
- Sleep Current: < 80uA
- Peak Current: < 30mA
- Operating Frequency: 13.56MHz

*Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.*



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- Supported card types: mifare1 S50, mifare1 S70 MIFARE Ultralight, mifare Pro, MIFARE DESFire
- Environmental Operating Temperature: -20 - 80 degrees Celsius
- Environmental Storage Temperature: -40 - 85 degrees Celsius
- Relative humidity: relative humidity 5% - 95%
- Reader Distance:  $\geq$  50mm / 1.95" (mifare 1)
- Module interface: SPI
- Data transfer rate: Maximum 10Mbit/s

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