

The MP101A is an RFID reader & writer for 13.56MHz RFID contactless protocols.

MP101A supports and is compatible with all major global secured baseband ISO standards RFID cards.

Well suited for mobile devices due to its low power consumption and low operating voltage from 5V.

On-chip 3.3V regulators stabilise the chip's power and simultaneously supply power to the external companion microcontroller up to 120mA.

MP101A can be used with encoder software .



Features

- Supports ISO 14443A/B, ISO15693, NFC 1-4 tag
- Enhanced anti-collision algorithm for multi-card handling
- USB (Keyboard or HID) and RS232 interface (19200 N,8,1)
- Low power consumption

Card Compatibility

- NFC type 1-4
- ISO 14443A
MIFARE™ Standard, MIFARE 4k,
MIFARE Ultralight, MIFARE Ultralight C,
MIFARE DESFire® EV1 EV1
- ISO 14443B
Smartcard ISO14443B, SRI4K, SRI512
- ISO 15693
I-CODE Series, SIC5600

Ordering Information:

- MP101AR - RS232 interface
- MP101AU - USB Virtual COM interface
- MP101AH - USB HID interface

Applications

- Tracking
- Retail
- Customer
- Loyalty
- Leisure
- Gambling
- Pre-payment
- Ticketing
- Prepaid Parking
- Prepaid Coupons

Interface	USB (Virtual COM), USB(HID), RS232,
Power	Active 120mA @ 5VDC
Dimensions	65 x 100 x 23mm (W x H x D)
Mode	Read
Max. reading distance	Approx 10mm* *depends on card type
Frequency	13.56MHz
Supported Card Types	NFC type 1-4. ISO 14443A MIFARE™ Standard, MIFARE 4k, MIFARE Ultralight, MIFARE Ultralight C, MIFARE DESFire® EV1, EV2 ISO 14443B Smartcard ISO14443B, SRI4K, SRI512 ISO 15693 I-CODE series, SIC5600
Environment	Operating Temperature 0°C ~ +60°C; Operating Relative Humidity 10~90%