

Embedded High Frequency RFID Module

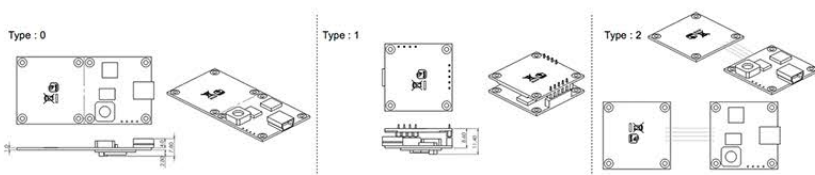
MP90A is a 13.56MHz RFID read & write module with SAM socket, supports ISO 14443A, ISO 14443B, ISO 15693 and ISO 7816.

The high performance module supports wide ranges of transmission protocol and transponder IC available on the markets, so it's available to meet the requirements of both secure personal identity verification and supply chain management.



Features:

- Supports ISO 14443A/B, ISO 15693, ISO 7816, NFC
- Enhanced anti-collision algorithm for multi-card handling
- Full 3DES/AES crypto methods
- Full access to data of contactless memory, high security and microcontroller-based cards
- Featuring low power consumption



Applications:

- Automatic Fare Collection (AFC)
- Ticketing and vending system
- Security related

Specifications:

Frequency	13.56MHz
Power requirement	Active 200mA @5VDC
Card type	Card type ISO 14443A Mifare 1K, 4K, Ultralight, Ultralight C, DESFire EV1 EV2 ISO 14443B SRI4K, SRI512 ISO 15693 I-CODE series, SIC5600 NFC Type 1~4 ISO 7816
Interface	RS232, TTL, USB (virtual COM), HID
Dimension	Type 0: 90(L) x 30(W) x 7.8(H) mm Type 1: 45(L) x 30(W) x 11.4(H) mm Type 2: 45(L) x 30(W) x 7.8(H) mm
Operation temperature	0 ~ 60 degree C
Humidity	10~90%

* Specification is subject to change without notice.

Order information:

- MP90AL: TTL interface
- MP90AR: RS232 interface
- MP90AU: USB (virtual COM) interface
- MP90AH: USB HID interface

Optional accessory for the 1st test:

- WAS-T0624: USB cable
- WAS-T0625: RS232 cable

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