Mifare Ultralight RFID Blank Card-spec sheet

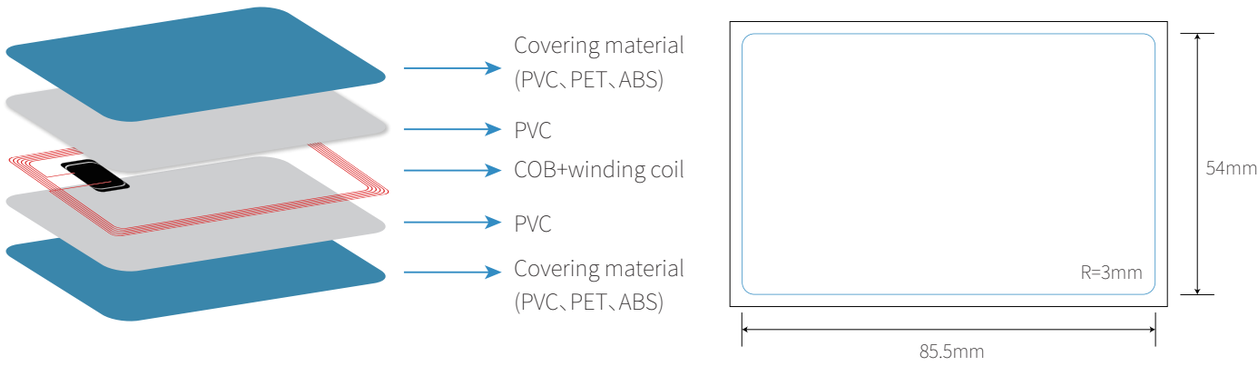
Mifare Ultralight RFID blank card is one of the HF frequency RFID cards with a white surface, embedded in the Mifare Ultralight EV1 chip. It is an easy and cost-efficient way to achieve contact-less access control, identification, etc.

Mifare Ultralight EV1 chip is available in 2 memory options: 48 Bytes and 128 Bytes. You can choose according to your applications.

Parameters

Item	Mifare Ultralight RFID blank card	Color	White	Working Temperature	-25°C to 65°C
Material	PVC	Size	CR 80 or Custom	Data Retention Time	10 years
Chip	Mifare Ultralight	Reading Distance	0~10 cm	Craft	Logo or number printing, Bar code, QR code, etc.
Frequency	13.56 MHz	Write Endurance	100,000 times		
Protocol	ISO/IEC 14443	Printing Options	Silk-screen printing, Laser Engraving, CMYK full color, Pantone, etc.		

Dimensional Diagram



Feature

- Contactless transmission of data and supply energy
- Data integrity of 16-bit CRC, parity, bit coding, bit counting
- 7-byte serial number (cascade level 2 according to ISO/IEC 14443-3)
- Manufacturer programmed 7-byte UID for each device
- 32-bit user definable One-Time Programmable (OTP) area
- 32-bit password protection to prevent unintended memory operations
- Operating distance up to 100 mm (depending on antenna geometry and reader configuration)
- Field programmable read-only locking function per page (per 2 pages for the extended memory section)
- Fast counter transaction:<10 ms
- Data transfer of 106 Kbit/s
- True anticollision
- Typical ticketing transaction:<35 ms
- ECC-based originality signature
- 3 independent 24-bit true one-way counters

JingYuan Mansion FL 16, LongGang, Shenzhen, China 518112
www.asiarfid.com
+86 755 26979016
contact@asiarfid.com

APPLICATIONS

- VIP membership management
- Parking lot
- Loyalty
- Public transportation
- Event Ticketing(stadiums, exhibitions, leisure parks, etc.)
- Campus access control management
- Limited-use tickets in public transport

Available chips

HF 13.56 MHz Chips

Chip Name	Protocol	Capacity	Frequency
Ntag213	ISO14443A	180 byte	13.56 MHz
Ntag215	ISO14443A	540 byte	13.56 MHz
Ntag216	ISO14443A	924 byte	13.56 MHz
MIFARE Classic 1K	ISO14443A	1 KB	13.56 MHz
MIFARE Classic 4K	ISO14443A	4 KB	13.56 MHz
MIFARE Ultralight EV1	ISO14443A	80 byte	13.56 MHz
MIFARE Ultralight C	ISO14443A	192 byte	13.56 MHz
ICODE SLIX	ISO15693	1024 bits	13.56 MHz

JingYuan Mansion FL 16, LongGang, Shenzhen, China 518112
www.asiarfid.com
+86 755 26979016
contact@asiarfid.com