Mifare S50 Chip Card- spec sheet

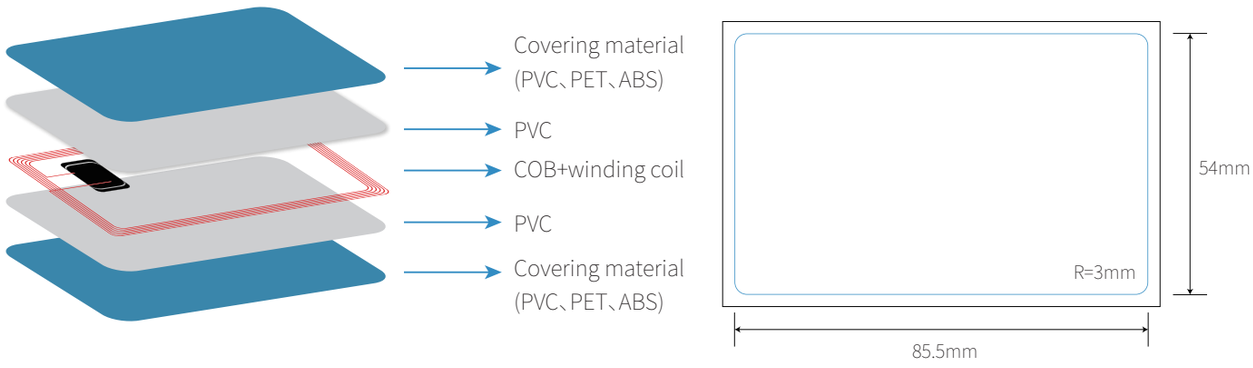
Mifare S50 Chip developed by NXP is designed to use in contactless smart cards. So Mifare S50 Chip Card was born. This smart card works on 13.56MHz frequency and complies with the ISO 14443 Type-A standard. It is widely used in public transport ticketing, access management, E-card system, etc.

Besides, the F08 chip is completely compatible with Mifare S50, including usage, function, etc. Xinyetong specializes in card-making and we can provide a variety of RFID cards with good prices and high quality.

Parameters

Item	Mifare S50 Chip Card	Color	Custom	Working Temperature	-20~+70℃
Material	PVC or PET	Size	85.5*54mm	Data Retention Time	10 years
Chip	Mifare S50	Memory	1kB	R/W	Read and Write
Frequency	13.56 MHz	Reading Distance	1~10 cm	Craft	silkscreen logo/Laser serial number/UID print, etc
Protocol	ISO/IEC 14443	Write Endurance	100,000 times	Surface	Glossy/Matt/Frosted

Dimensional Diagram



Feature

- Contactless transmission of data and supply energy
- Support customization, including color, craft, printing, size, etc.
- Data integrity of 16-bit CRC, parity, bit coding, bit counting
- Fine workmanship and good quality: flat and smooth, without burrs
- Typical ticketing transaction time of<100ms (including backup management)
- Operating distance up to 100mm (depending on antenna geometry and reader configuration)
- The Individual set of two keys per sector to support multi-application with key hierarchy
- Intelligent anticollision
- Data transfer of 106 Kbit/s
- 7 Byte UID or 4 Byte NUID
- Random ID support(7 Byte UID version)
- Operating frequency of 13.56MHz
- Support double-sided printing

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APPLICATIONS

- Personal identification
- Public Transportation
- Access Management
- Electronic Toll Collection
- School and Campus Cards
- Membership Management
- Attendance Management
- Employee Cards
- Hotel key cards
- Parking Lot Management

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

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