

Mifare 1k NFC Tag-spec sheet

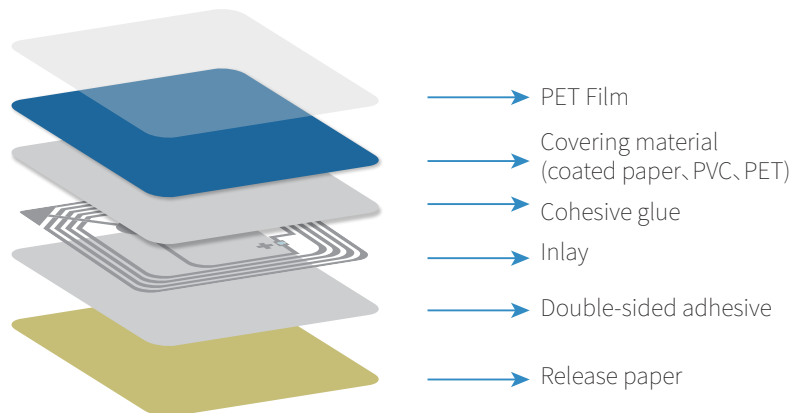
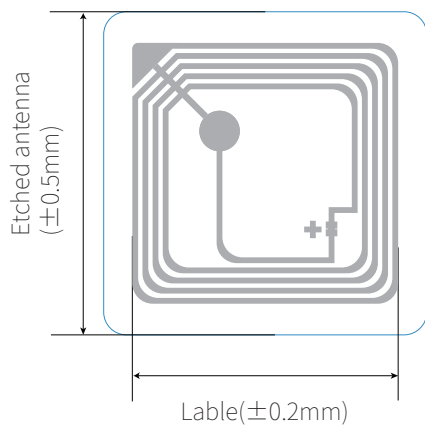


NFC tags integrate card reader and transponder into the same chip to enable close – range message interaction. They can satisfy information exchange, content access, service exchange between any two wireless devices, and makes it much easier. Mifare 1k NFC tag is the most classic NFC tag, which is equipped with the classic NFC chip Mifare 1k.

Parameters

Item	Mifare 1K NFC Tag	Color	Customizable	Working Temperature	-25°C to 65°C
Material	PVC, PET, Coated paper, Microwave absorbing material	Size	30*30 mm,45*45mm 37*47mm or Custom	Data Retention Time	10 years
Chip	Mifare 1K	Eeprom	1K	Printing Options	Silk-screen printing, Laser Engraving, CMYK full color, Pantone, etc.
Frequency	13.56 MHz	Reading Distance	0-10cm	Write Endurance	100000 times
Protocol	ISO14443A				

Dimensional Diagram



Feature

- ▶ Waterproof, acid-proof, alkali-proof, and collision-resistant
- ▶ Contactless transmission of data and supply energy
- ▶ Operating frequency of 13.56MHz
- ▶ Typical ticketing transaction time of <100ms (including backup management)
- ▶ Operating distance up to 100mm (depending on antenna geometry and reader configuration)
- ▶ Data transfer of 106 Kbit/s
- ▶ Data integrity of 16-bit CRC, parity, bit coding, bit counting
- ▶ Various styles and colors are available

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

APPLICATIONS

- Mobile interaction
- Warehouse assets management
- Medical device management
- Consumer electronics
- Vehicle Management
- Application of other metal surfaces
- Indoor Equipment Management