

Mifare 1k KeyFob-spec sheet



As the most classic RFID chip, Mifare 1K can be encapsulated in diverse forms, widely used in various applications. Mifare 1K key fob is one of them, easy to carry, and low cost, very suitable for access control.

Xinyetong Mifare 1K key fobs come in a variety of colors, shapes, and materials that you can choose. The classic colors are red, black, blue, green, yellow, and gray, and the popular shapes are rectangular, square, and dripping. The common materials are ABS, PVC, epoxy, etc. And you can also customize it.

Parameters

Item	Mifare 1K Key Fob	Color	black, yellow, blue, etc	Surfaces	Frosted, Glossy, Matte Finishing
Material	PVC, ABS, Epoxy, etc	Size	Custom	Working Temperature	-25°C to 65°C
Chip	Mifare 1K	Data Retention Time	10 years	Protocol	ISO14443A
Frequency	13.56MHz	Printing Options	Full-color offset printing, Silk-screen printing, etc.	Reading distance	0-10cm

Dimensional Diagram

Feature

- ▶ Support for customized services
- ▶ Durable and waterproof
- ▶ Available with key chain, easy to carry
- ▶ Contactless transmission of data and supply energy
- ▶ Typical ticketing transaction time of <100ms (including backup management)
- ▶ Operating frequency of 13.56MHz
- ▶ Data transfer of 106 Kbit/s
- ▶ Data integrity of 16-bit CRC, parity, bit coding, bit counting
- ▶ High Q-antenna tolerance due to in options
- ▶ Operating distance up to 100mm (depending on antenna geometry and reader configuration)

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

- Access control attendance
- Mobile payments
- In-store marketing
- Library management
- Hotel key card
- Campus card
- Library Management
- Parking lot management
- Identity authentication