

ISO 14443A RFID Silicone Wristband

With Mifare 1k Chip-spec sheet



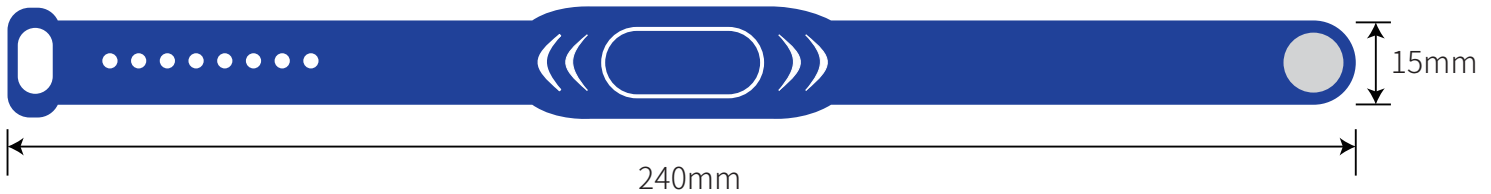
As we all know, RFID silicone wristbands can achieve different functions according to different embedded chips. This RFID silicone wristband uses the most classic chip-Mifare 1K chip(MF S50) with an intelligent anticollision function to operate more than one wristband in the field simultaneously.

Mifare 1K RFID silicone wristband conforms to ISO/IEC 14443 Type-A and is widely used. Xinyetong RFID silicones support logo printing, serial number printing, laser engraving (engraving UID), and other crafts.

Parameters

Item	RFID Silicone Wristband With Mifare 1k Chip	Color	Blue, red, white, black, purple, green purple, orange (Customizable)	Working Temperature	-25°C to 65°C
Material	Silicone	Size	240*15mm	Data Retention Time	10 years
Write Endurance	100000 times	Chip	Mifare 1K	Eeprom	1K
Frequency	13.56MHz	Reading Distance	0-10cm	Crafts Available	Logo or number printing, Bar code, QR code, etc.
Protocol	ISO14443A	Printing Options	Silk-screen printing, Laser Engraving, CMYK full color, Pantone, etc.		

Dimensional Diagram



Available chips

125KHz Chip

Common Chip Types	Protocol	Capacity	Anti-collision	Function
TK4100	ISO 11784/11785	64 bits	No	Read Only
EM4200	ISO 11784/11785	128 bits	No	Read Only
EM4305	ISO 11784/11785	512 bits	No	Read/Write
T5577	ISO 11784/11785	330 bits	No	Read/Write

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

860~960 MHz UHF Chips

Chip Name	Protocol	Capacity	Frequency
Alien H3	ISO18000-6C	512 bits	860~960 MHz

Feature

- ▶ FDA level silicone rubber material, Non-toxic, non-corrosive, environment-friendly
- ▶ Durable, waterproof, and heat-resisting
- ▶ Soft, skin-friendly and comfortable
- ▶ Contactless transmission of data and supply energy
- ▶ Operating frequency of 13.56MHz
- ▶ Data transfer of 106 Kbit/s
- ▶ Data integrity of 16-bit CRC, parity, bit coding, bit counting
- ▶ Typical ticketing transaction time of <100ms (including backup management)
- ▶ Operating distance up to 100mm (depending on antenna geometry and reader configuration)

APPLICATIONS

- Swimming pools
- Bath center
- Hotel management
- Amusement parks
- Exhibitions
- Carnival
- Music Festival
- Event Ticketing