

## Oval Close-Loop-Silicone RFID Wristband-spec sheet



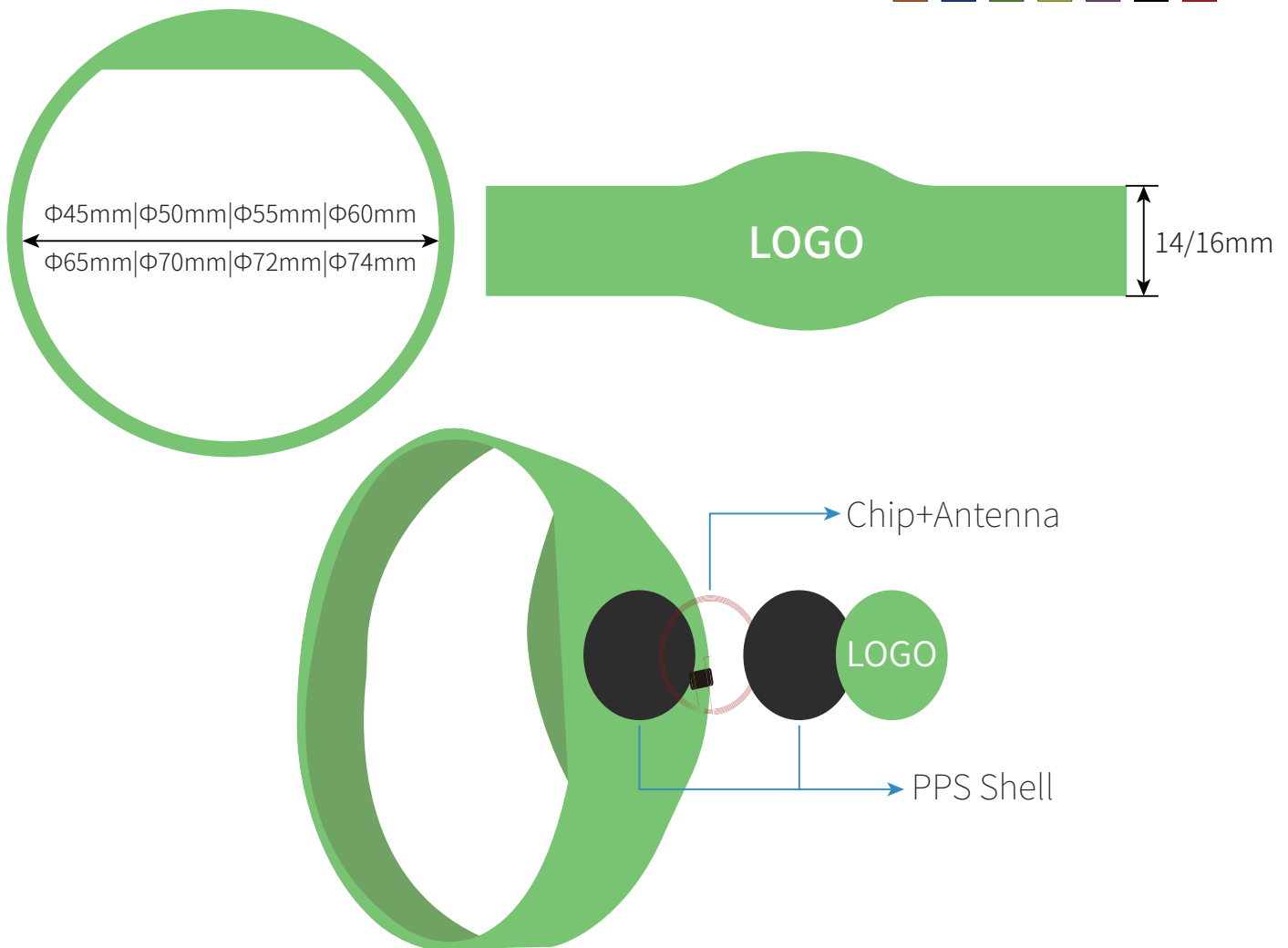
XINYETONG's fashionable multifunctional oblate silicone wristband is integrated with RFID tags embedded in the circular surface.

These comfortable silicone bracelets are waterproof and wear-resistant and are mainly used in leisure places, theme parks, water parks, sports activities, and outdoor activities. Applications include brand activation, cashless payment, and access control, and can also be used to capture visitor data, monitor activity time, and perform secure locker management.

### Parameters

Item	Oval Close-Loop-Silicone RFID Wristband	Color	Blue, red, white, black, purple, green purple, orange (Customizable)	Working Temperature	-25°C to 65°C
Material	Silicone	Size	Φ45mm Φ50mm Φ55mm Φ60mm Φ65mm Φ70mm Φ72mm Φ74mm	Data Retention Time	10 years
Write Endurance	100000 times	Chip	Mifare 1K,NTAG213	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