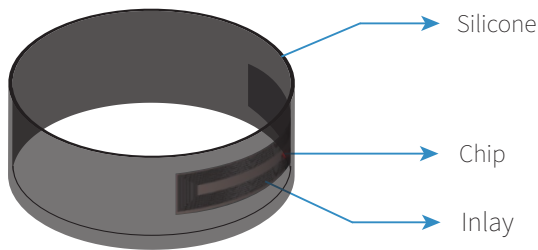# Silicone NFC Smart Ring-spec sheet

This NFC smart ring is made of eco-friendly silicone material, waterproof, and durable. Compared with Ceramic NFC rings, silicone NFC Smart Ring is much cheaper. And it is very suitable for access control management applications that required waterproof. For example, swimming pools, water parks, gyms, sports clubs, etc.

The silicone NFC ring is easy to use. Wear it on your finger and you'll never have to worry about forgetting your access card. And it also can be used as a metro card, membership card, and so on.

Parameters

Item	NFC Smart Ring	Color	Black, white	Working Temperature	-20~+70℃
Material	Silicone	Craft	silkscreen logo/Laser serial number UID print etc	Data Retention Time	10 years
Chip	TK4100, Ntag213, Ntag215 Ntag216, etc.	Write Endurance	100000 times	Type	NFC
Size	φ16.5 mm, φ17.3 mm, φ18.2 mm, φ18.9 mm, φ19.8 mm, φ20.7 mm, φ21.3 mm (6-12)				

Dimensional Diagram

Silicone

Chip

Inlay

Size or Customized

US	6	7	8	9	10	11	12
Circumference	5.3cm	5.6cm	5.9cm	6.2cm	6.5cm	6.8cm	7.1cm
Diameter	16.5mm	17.3mm	18.2mm	18.9mm	19.8mm	20.7mm	21.3mm

APPLICATIONS

- Member management
- Pet/lost tracking
- Gaming and identity
- Access control Management
- Swimming pool
- Hotel management
- Payment tracking
- Event ticketing
- Transportation card

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

Feature

▶ Eco-Friendly, recycled, washable, and durable

▶ Customized service: Various styles, crafts, colors that you can choose

▶ IP68 grade waterproof and dustproof, durability, and anti-fall

▶ Built-in ultra-sensitive NFC chip, no need to charge, ready to use

▶ Available in all sizes: 6-12 (American standard) or customize

▶ Multi-function: access control, identification, payment, etc.