

CBT

SHENZHEN CHIPBOND TECHNOLOGY CO.,LTD

—RFID/NFC/Customized—

# ABOUT US

A LEADING MANUFACTURER OF  
RFID PRODUCTS IN THE GLOBAL MARKET  
IOT TECHNOLOGY SOLUTION SUPPLIER

**500+** Persons  
Number of Employees

**102+** Countries  
Number of Countries  
with business coverage

**3+** billion pcs  
Selling products in  
world market

Shenzhen CHIPBOND Technology Co.,Ltd is an RFID innovative technology company and is a technology company specializing in the research and development, production and manufacturing of smart card/RFID label/NFC Division, established in 1996. As a highly innovative technology company, we are committed to promoting the progress of business and life and providing innovative solutions.

Our team is composed of technology pioneer engineers and innovators, dedicated to solving the global interconnection of things and improving people's lives.

We are committed to developing cutting-edge technology solutions to meet changing market needs, connecting customers with technology around the world driving progress and achieving mutual success.

Products are widely used in communication, the Internet of Things, medical care, automobiles, construction, industry, medical care, logistics, animal husbandry, commerce and other fields.

**It is a research and manufacturing enterprise with global influence.**



# Development **history**

**1996** the founder "Fu Qiutai" founded "Yingpeng" and started with a small workshop.

**2007** ISSI Semiconductor Authorized Agent Certificate as a Member of the Internet of Things Association

**2008** Obtained the National Industrial Products Production licence and formally put into production the automatic ultrasonic card series product line.

**2010** Obtained the IC card production license and ISO9001 certification, and officially launched the RFID label product line.

**2012** Obtained the Shanghai Fudan Microelectronics Authorization Agent Certificate, and the National Ministry of Housing and Urban Rural Development's Internet CPU Card Authorization Certificate. Established branches in Guangzhou, Huizhou, and Dongguan

**2014** the factory relocated to Tangxia, Dongguan, covering an area of 10000 square meters.

**2016** Obtained 36 technical patent certificates and 25 computer software copyright registration certificates.

Passed ISO9001:2015 certification  
Collaborated with well-known domestic enterprise to complete consumer home appliance solutions  
Introducing Muehlbauer from Germany and flip chip electronic label equipment from Japan

**2020** Established Shenzhen Chipbond Technology Co., Ltd. covers an area of 20000 square meters.

**2022** The production capacity and sales volume of RFID Inlays/prelams rank first in the world.  
The chip sales and usage of Fudan microelectronics rank first in the world.  
Connecting with Huawei HarmonyOS to actively create a new ecosystem of the Internet of Things.  
FSC-certified wood cards sell well around the world.

# Super power

## About **CHIPBOND**

**Diversity:** Full categories, One-stop purchasing

**Fast:** 1.5 million large-scale productions per day to meet the delivery date/

Customized products, Fast proofing 24-hours delivery/Standard inventory

**Good:** 99.9% Yield rate/Strict quality system/High quality and Competitive price

**Cost-Effective:** Supply chain advantage/Raw material source control/

Explosive product price advantage

Founded in 1996, it covers an area of 20,000 square meters

and has more than 500 employees

**World's largest user of Fandan 1k chips: 800 million**

**Fully automatic production line: pes 40 million per month**

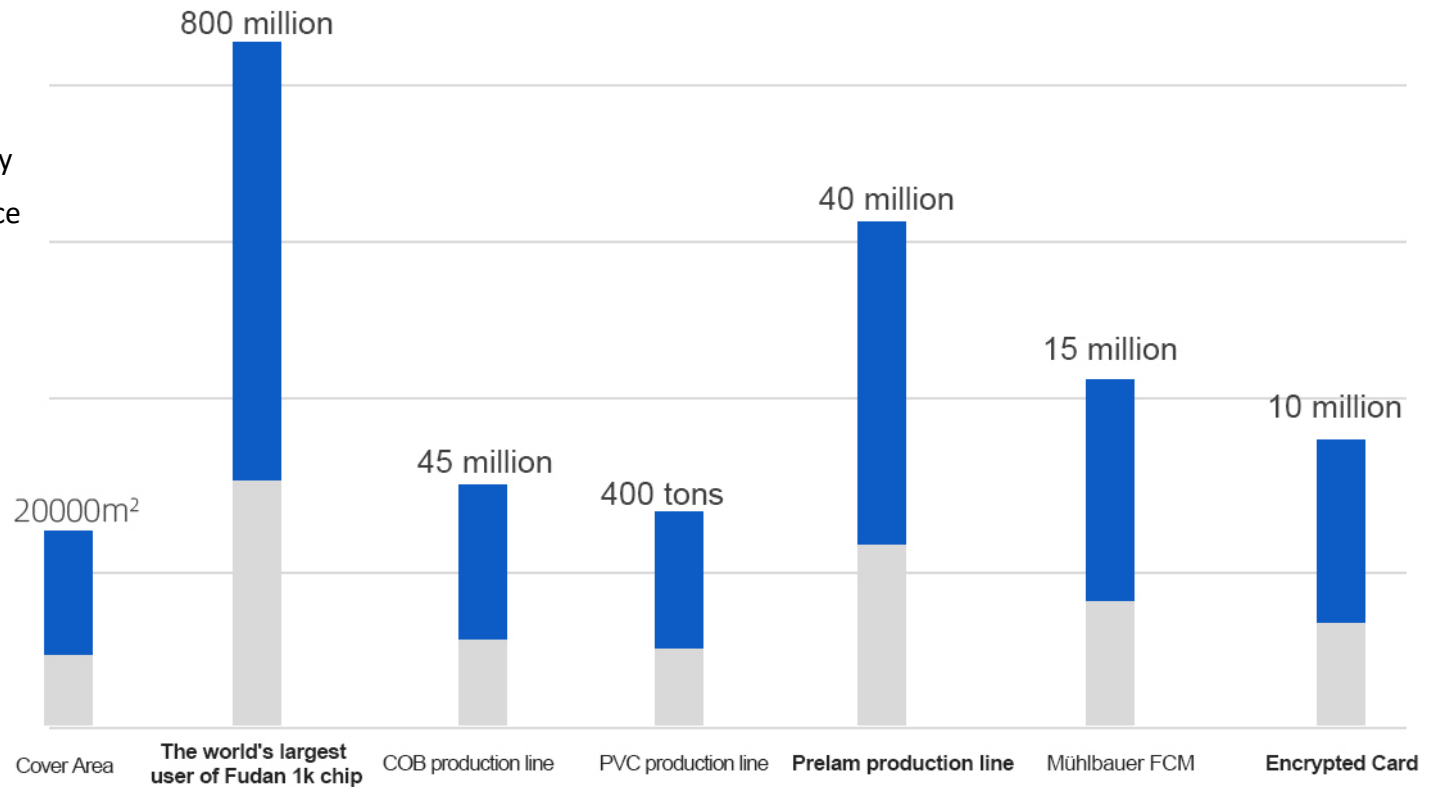
2 production lines of PVC material:400 tons per month

**Fully automatic production line of prelam: pes 40 million per month**

**4 production lines of Mühlbauer FCM: 15 million pcs per month**

RFID card with customized effects and encryption: 10 million per month

Certified FSC wood cards in different materials



# Honorary qualifications

Through unremitting efforts, we have won a series of noble honors and awards for outstanding technological innovation and commitment. These honors are a recognition of the tireless efforts of our entire team and a reflection of our efforts to create sustainable and influential technological solutions.



ISO9001:2008  
Quality Management System Certification

Possess **36** technical patents

Possess **25** software works

**Awarded as a National High tech Enterprise**  
**Awarded the title of Guangdong Province Specialized, Refined, and New Small and Medium Enterprise**

Science and technology-oriented small and medium-sized enterprises in Guangdong Province  
Science and Technology Progress Award for Industry, University, and Research Achievements

**Ministry of Commerce Enterprise Credit Rating**  
**AAA Credit Enterprise**

Guangdong Province Integrity Demonstration Enterprise  
Guangdong Province Excellent Brand Demonstration Enterprise

# Testing and certification

We are committed to providing innovative, secure, and high-performance RFID products. Through product testing and certification, we ensure that our products can meet and exceed customer expectations, helping them achieve success. Our certification mark represents quality and reliability, and is also our commitment to shaping a smarter and more sustainable future.



# Products



COB Chip



RFID card



PVC Sheet



Wooden card



RFID Prelam/inlay



Metal card



RFID Keyfob



RFID Wristband



RFID Label



Animal tag



Special RFID Label



Card Reader

# Products

## COB Chip

### Different type of chip:

#### **LF RFID Chip** (low frequency):

usually used for animal identification, access control, car anti-theft and other applications.

#### **HF RFID Chips** (high frequency):

Usually used in close applications, such as smart cards, access control systems, library management, etc.

#### **UHF RFID Chip** (UHF):

with long distance reading capability, used in logistics, inventory management, retail and other fields.

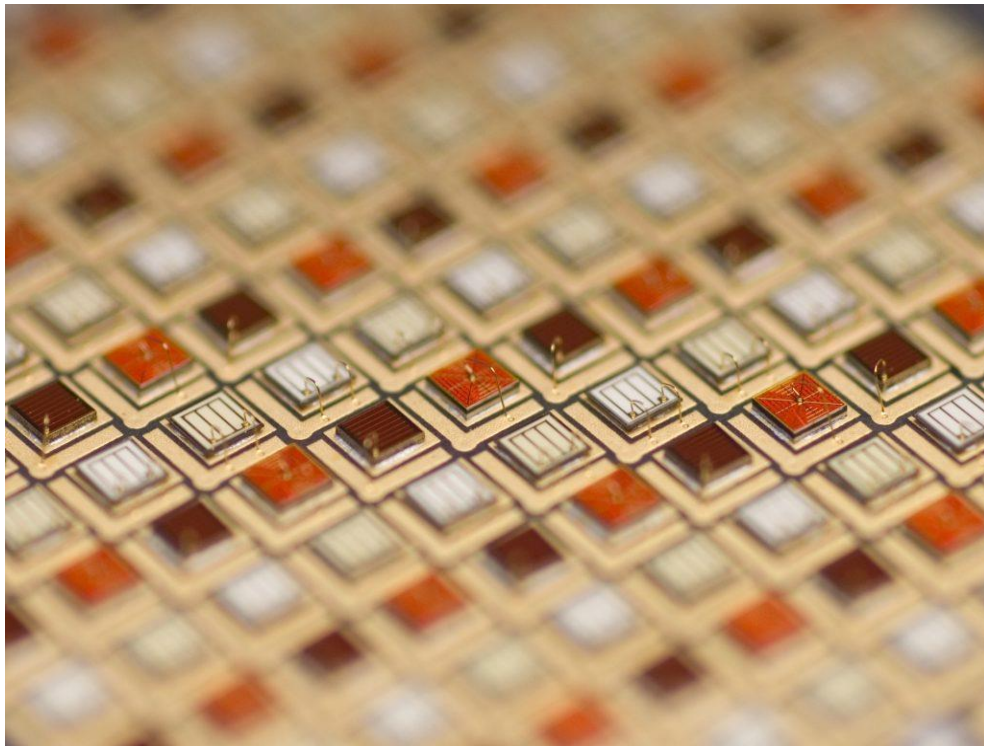
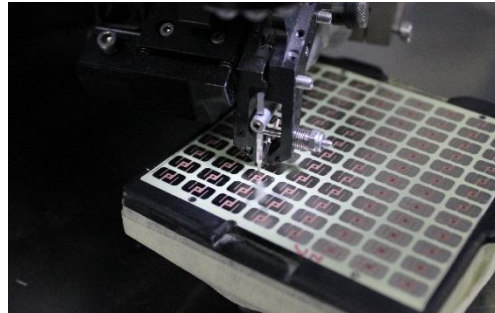
#### **NFC Chip** (Near Field communication):

with near distance communication and data transmission capabilities. They are often used for mobile payments and smartphone connections, access control system, etc.

#### **RTLS RFID Chips** (Real-Time Positioning Systems):

These chips are dedicated to real-time positioning systems for tracking and locating assets and equipment.





## COB Chip

Specification	2.5*4mm/308pcs, 3.5*5.5mm/165pcs, 5*8mm/96pcs, Customized
Thickness	0.30~0.6mm (Optional)
Chip type	FM11RF08、TK4100、EM chip、NXP chip、Infineon chip、Atmel chip、Siemens chip、TI chip、ST chip, etc.
Material	PCB
Programming Cycles	100,000cycles
Frequency	LF-125KHz, LF-13.56MHz, UHF-860-960Mhz
Scope of Application	Smart card manufacturers can use it directly
Remark	308pcs / 165pcs / 96pcs

**Compact Design:** COB Technology allows chips to be packaged directly on PCB, thereby reducing the overall size and making the product more compact.

**High Integration:** COB Technology can realize the integration of multiple functional modules, improve the integration level of the circuit, and help simplify the product structure.


**Cost-effectiveness:** COB Technology can reduce some steps in the traditional packaging process and help cost control.

**High Reliability:** The chip is directly connected to the PCB, and the transmission distance is short, which reduces signal attenuation and improves the reliability of the circuit.


**Heat Radiation:** The chip is in direct contact with the PCB and has good heat dissipation performance, which is conducive to long-term stable operation.

**COB chips are widely used in LED lamps, automotive electronics, medical equipment, consumer electronics and other fields, providing more efficient, compact and reliable solutions for various electronic products**

# PVC

Product Name	<b>PVC Sheet</b>
Color/ customizable	
Product Type	<b>Shading material</b>
Size	305*460*0.15mm/305*460*0.17mm/305*460*0.2mm (Customized)
Thickness	0.1~0.8mm (Customized)
Packing	Sheet or roll
Remark	Suitable for finished cards or other purposes

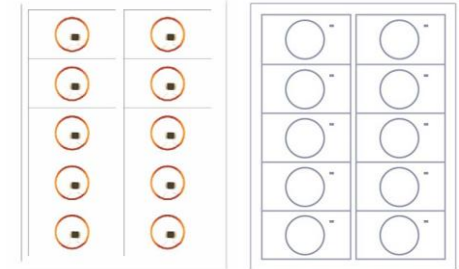


Color/ customizable	
Product Type	<b>Non-shading material</b>
Size	305*460*0.13mm / 305*460*0.15mm / 305*460*0.2mm 320*500*0.13mm / 320*500*0.15mm / 320*500*0.2mm
Thickness	0.1~0.8mm (Customized)
Packing	Sheet or roll
Remark	Suitable for prelam or other purposes

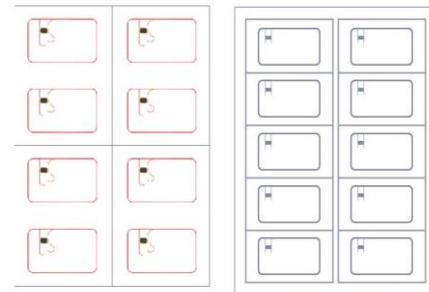
# RFID Prelam

RFID inlay has significant advantages that make them a powerful and efficient technology in a variety of applications. Customizable Layout RFID Inlays are designed specifically with the card manufacturer in mind. The inlay is engineered to remove process difficulties and offer an exceptional products.

Our inlays are very robust and boast unequaled torsion/bending characteristics, extreme durability and optimized read / write performance. The inlays have a completely flat finish and bring numerous benefits to card manufacturers which make the card manufacturer's job easier.



Type	LF
Frequency	125KHz
Protocol	ISO18000-2
Thickness	0.5 ± 0.05mm customized



Type	HF
Frequency	13.56MHz
Protocol	ISO/IEC14443A Type A/B, ISO/IEC 15693
Thickness	0.5 ± 0.05mm(HF inlay thickness can be made as 0.4mm) customized



Type	UHF
Frequency	860-960MHz
Protocol	ISO/IEC18000 6B/6C
Thickness	0.5 ± 0.05mm customized

# Products

## RFID CARD

Smart cards provide a secure, convenient and multifunctional way to handle tasks such as identity authentication, data storage and transaction processing. RFID cards play a key role in protecting personal privacy and information security, while also providing convenient solutions to the digital needs of modern society.

### Application Areas:

- Financial Industry
- Identity Authentication
- Telecommunications:
- Healthcare
- Transportation
- Secure Access:
- Education

## RFID card types

**White / blank card**

**Magnetic stripe card**

**Metal card**

**Blocking card**

**Clamshell card**

**Paper card**

**Wooden card**

**Printed card**

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Product	<b>Contactless Card / Proximity Card</b>
Size	85.5*54*0.9mm customized
Frequency	125KHz, 13.56MHz-16.5MHz, 860MHz-960MHz
Protocol	ISO14443A/B, ISO15693, ISO180002, ISO18000 6B/C
Artwork	Ultrasonic wave buried line, touch welding lamination pressure
Chip	Mifare series, ICODE series, NTAG series, Desfire series/TK4100/T5577/EM4200
Application	Consumer payment, Access Control and ID identification, etc.



Product	<b>Magnetic Stripe Card</b>
Size	85.5*54*0.76mm customized
Protocol	ISO7810
Parameter	2750OE, 300OE, 650OE, 4000OE
Magnetic Color	Gold, Black and Gray
Magnetic Type	LOCO, HICO
Magnetic Size	6.3mm, 8.4mm, 12.7mm



Product	<b>Contact IC Card</b>
Size	85.5*54*0.84mm customized
Voltage	3-5V
Protocol	ISO7816
Artwork	Milling slot hot melt adhesive package
Chip	4442/4428 series, AT24C series
Application	Consumer payment, Access Control and ID identification, etc.



Product	<b>Visible Thin Card</b>
Thickness	Thin Card:0.22/0.28mm Clamshell Card:0.82/0.86/0.88mm
Material	ABS, PVC, PET, PETG
Chip	1750OE Invisible fully coated magnetic layer, Option
Range	Single side, Dual side, Partial
Word color	Black, White, Blue
Application	Hotel, Library, Production process, Vehicle management, etc.



Product	<b>Dual-interface CPU card</b>
Frequency	13.56MHz-16.5MHz
Protocol	ISO14443A+ISO7816
Artwork	Ultrasonic buried line, milling groove, pick line touch welding double interface artwork
Chip	FM1216, FM1232, FM1280, NXPICOP
Application	Finance social security, transportation ETC, etc.



Product	<b>Metal card</b>
Thickness	1.2mm
Material	Matting Matel, Electroplated gold, Golden drawing, etc.
Chip	All kinds of chips + all kinds of magnetic strips, Option
Artwork	Silk print, Laser print, D.O.D, UV etc.
Application	Membership card, Hotel, Supermarket, Library, etc.



Product	<b>Clamshell Card</b>
Size	85.5*54*1.8mm customized
Material	ABS housing
Temperature	-20°C~+55 °C
Chip	TK4100, EM4200, T5577, FM11RF08, NXP Serial, etc.
Application	Access control, attendance, consumer and payment, etc.



Product	<b>Blank White Card</b>
Size	85.5*54*0.86mm customized
Chip	TK4100, Em4200, T5577, FM11RF08,NXP Serial etc, customizable
Material	PVC, PC, ABS, PET, PETG, etc.
Features	support all kinds of anti-counterfeiting effect
Application	personalized portrait id card, license
Color	customizable

\*For more information of finished cards, please consult the company sales staff.

# Product Process



Gold/Silver Sprinkle



Embossing Number/Silver/Gold



Signature Panel



Hologram



Transparent



Gold/Silver Hot Stamp



Magnetic Stripe



Spot UV



Hole Punch



Laser Material



QR Code



Thermal Transfer Number



UID Inkjet Number



Laser Engraving Number



UV Barcode

# Products

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## RFID Wooden card

RFID Wooden card is an innovative product that combines wood materials and smart technology. It combines traditional smart cards with natural wood to create products that have both a sense of technology and a unique natural atmosphere. Its design combines exquisite craftsmanship and advanced intelligent technology to ensure that it has both excellent appearance and stable intelligent function.

### Features and Advantages:

- **Environmental health**
- **Unique Appearance**
- **Personalized Design**
- **Warm Touch**
- **Radio Frequency Identification Technology**
- **The combination of art and technology**
- **Widely Used**



# RFID Wooden Card

Wood is a nationally recognized renewable resource, so the RFID wooden card production is not only beautiful but also plays a great role in environmental protection.

**In addition, our wood cards have passed FSC certification and sell well all over the world.**

Bamboo, cherry, black walnut, basswood, maple, beech, sapele and other wood materials for your choice, can accept printing, carving and other customized processes.

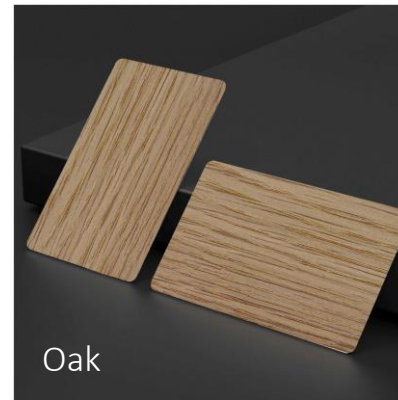
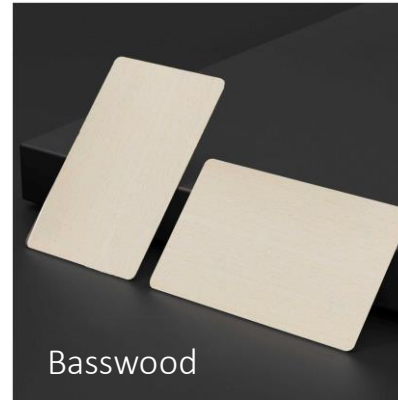




# RFID Wooden Card

## Description

Material	Color	Hardness	Texture
Basswood	light brown or gray	stable	exquisite
Maple	whitish or light yellow	solid	nature
Bamboo	yellowish or light brown	stable	exquisite
Oak	light yellowish brown	solid	abundant
Beech	light yellowish brown or light reddish brown	stable	abundant
Cherry	Deep red	solid/stable	abundant
Sapele	reddish or brownish	solid	exquisite
Walnut	dark brown or blackish	solid	abundant



# Products

## RFID Keyfob

RFID keyfob is an integrated RFID keyfob, mainly used to realize noncontact authentication, access control, item tracking and other functions.

### Features and Advantages:

- Identity verification:
- Access Control
- Item Tracking
- Event and Conference Management
- Payment and shopping



# RFID Keyfob



No.1  
44x30.5x5mm



No.0  
42x34.5x5mm



No.4  
55x35x6.3mm



No.3  
40.5x32x3.8mm



No.2  
35x28.5x5.8mm



No.7  
37x30.5x5.7mm



No.6  
52x32.6x5.4mm



No.5  
39x26.8x5.3mm



No.8  
37x30x5.8mm



No.11  
47x26.7x5.75mm



No.10  
43x35x5.1mm



No.9  
43x31x3.8mm



No.12  
51x32.1x4mm



No.13  
54x33.5x5.5mm



No.14  
37x31x5mm

# RFID Keyfob

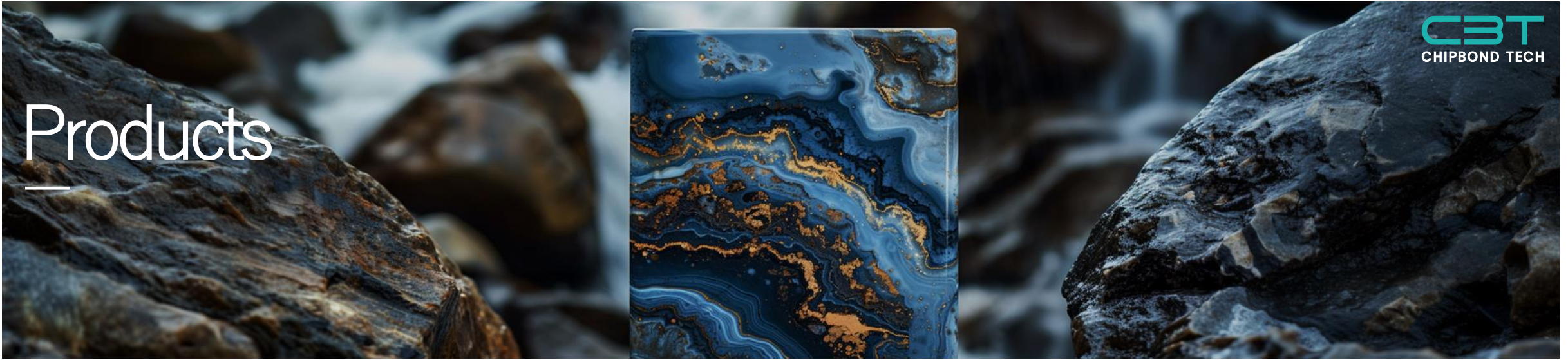
Size: Length x Width x Thickness

Unit: mm



Product	RFID Keyfob
Model	0#-14#
Chip	TK4100, EM4200, EM4305, T5577, FM11RF08, NXP series, UID series, UHF series, etc., can be customized.
Protocol	ISO7815/ISO14443/18000-6B/6C
Material	PC/ABS
Working Temperature	- 20° C ~ + 55° C
Color	Blue, yellow, green, red, black, white, gray, etc.
Application	Membership management, access control system, time and attendance, public transportation, etc.

# Products



Product	Epoxy Card
Size	40.3*31.8mm(can be customized)
Chip	TK4100, T5577, Mifares50/S70, FM11RF08 etc.
Material	PVC/ABS Housing
Working Temperature	- 20° C ~ + 55° C
Color	Customized according to customer's graphic file
Application	Membership management, access control system, time and attendance, public transportation, etc

# Products

Product	Wooden shaped card
Size	38*25mm/50*30mm(can be customized)
Chip	Bamboo, basswood, birch, maple, cherry, walnut, sapele, etc.
Material	TK4100, T5577, MifareS50/S70, FM11RF08 etc.
Artwork	UV printing, Laser engraving, silk-screen printing, Offset printing
Specificities	Environmentally friendly, waterproof (option), etc.



Product	PVC shaped card
Size	30*10 (can be customized)
Material	PVC material
Chip	TK4100, T5577, MifareS50/S70, FM11RF08 etc.
Artwork	Offset printing、 Silk-screen printing, UV logo, hot-stamping gold/silver、 laser engraving、 hologram, etc.
Application	Card payment, product identification, access control, identification, etc.

# Products

## RFID Wristband

The RFID wristband is a wristband with RFID technology for identity identification, access control, and payment systems. They are comfortable and lightweight, equipped with RFID chips that can communicate with readers for fast authentication and data recording



# RFID wristband



Product	Silicone wristband
Protocol	ISO18000-2 / ISO14443 / ISO15693 / ISO18000 6B / 6C
Chip	TK4100 / FM11RF08 / EM4200 / 213 / S50 / H3 / customized
Material	Silicone / customized
Working Temperature	- 20° C ~ + 80° C
Frequency	125KHz~134KHz/13.56MHz/860MHz~960MHz
Application	amusement park, sauna, yoga, fitness club, rafting, hot spring, etc.



\*Not all wristband styles are displayed, please contact the our sales for more details



# Products

## RFID wristband process

Customized logo, provide screen printing (silk printing)、laser engraving、epoxy surface, etc.



Laser engraving



Silk printing



Laser gravure



Laser QR code



Epoxy concave



Epoxy convex

\*If artwork did not show, for more artwork please consult the company sales staff

# RFID wristband

Product	Alternative wristband
Protocol	ISO18000-2 / ISO14443 / ISO15693 / ISO18000 6B / 6C
Chip	TK4100 / FM11RF08 / EM4200 / 213 / S50 / H3 / customized
Material	PVC / Nylon
Working Temperature	- 20° C ~ + 80° C
Frequency	125KHz~134KHz/13.56MHz/860MHz~960MHz
Application	medical treatment, amusement park, yoga, fitness club, rafting, etc.



Product	Medical wristband
Protocol	ISO18000-2 / ISO14443 / ISO15693 / ISO18000 6B / 6C
Chip	TK4100 / FM11RF08 / EM4200 / 213 / S50 / H3 / customized
Material	PP paper / PVC
Working Temperature	- 20° C ~ + 80° C
Frequency	125KHz~134KHz/13.56MHz/860MHz~960MHz
Application	hospitals, clinics, health stations and other medical places

# RFID wristband

Product	The elastic loose tightens wristband
Protocol	ISO18000-2 / ISO14443 / ISO15693 / ISO18000 6B / 6C
Chip	TK4100 / FM11RF08 / EM4200 / 213 / S50 / H3 / customized
Material	Polyester loose and tight
Working Temperature	-30°C ~ +85°C
Frequency	125KHz~134KHz/13.56MHz/860MHz~960MHz
Application	amusement park, event activities, fitness clubs, electronic syllables, etc.



Product	Paper wristband
Protocol	ISO18000-2 / ISO14443 / ISO15693 / ISO18000 6B / 6C
Chip	TK4100 / FM11RF08 / EM4200 / 213 / S50 / H3 / customized
Material	Tyvek paper
Working Temperature	-20°C ~ +80°C
Frequency	125KHz~134KHz/13.56MHz/860MHz~960MHz
Application	amusement park, event activities, yoga, fitness club, rafting, hot spring, etc.

# Products

## RFID Label

Suitable for a wide variety of industrial and commercial fields. Flexible labels can be attached to different types of surfaces, including curved surfaces. Irregular surfaces and surfaces of different materials, provide greater design freedom and application

### Features and Advantages:

- **Logistics and supply chain management**
- **Inventory management**
- **Production and manufacturing**
- **Equipment and asset management**
- **Medical care**
- **Food safety and cold chain logistics**
- **Electronic product identification**
- **Environmental monitoring**
- **Construction and real estate**
- **Library management**
- **Agriculture and agriculture field**
- **Retail**

# RFID Label

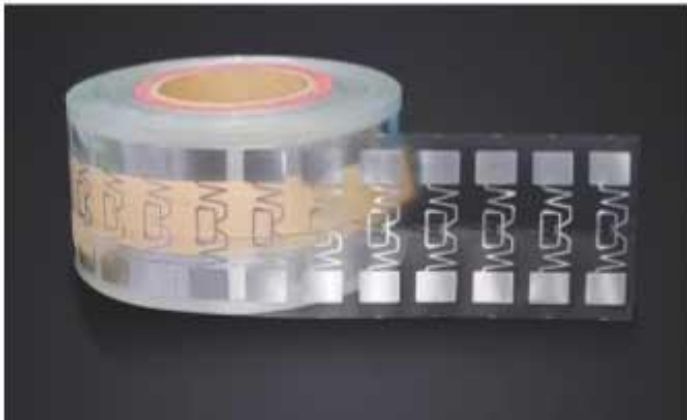
Product	RFID HF Label
Chip type	F08/Customized
Frequency	13.56MHz
Protocol	ISO14443 / ISO15693
Working Temperature	Normal temperature
Read-write distance	0-10cm (Base on the reader)
Antistatic packaging	2000 / roll , Customized
Material	Dry inlay / wet inlay / coated paper / PET
Size	Diameter 20/ 25/ 30 / 40 / 50 10*20/15*30/25*40/54*86 etc. (customized)
Applicable period	Erasable times: ≥ 100,000 times, Service life: ≥ 10 years



Product	RFID UHF electronic tags
Chip type	U7/U8/U9/H3/H10/Customized
Frequency	860~960MHz
Protocol	ISO18000 6B / 6C
Working Temperature	-40 °C~+85 °C
Antistatic packaging	2000 / roll , Customized
Install	Paste
Material	Dry inlay / wet inlay / coated paper / PET
Size	50*50/15*25/18*43/34*54/24*73/22*96/40*40/40*80/50*100/ Customized
Applicable period	Erasable times: ≥ 100,000 times, Service life: ≥ 10 years

## RFID label material difference

### Dry Inlay label



It consists of chip, antenna and PET substrate.

No back glue, not paste, not print

### Wet inlay label



Composite a layer of hot melt adhesive based on dry inlay.

Can paste, can not print

### Coated paper label

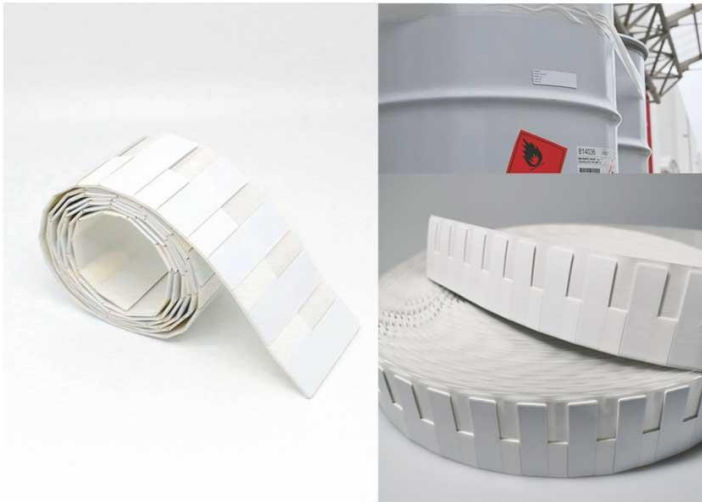


Composite coated paper on a wet inlay basis.

Can paste, can print

# RFID Label

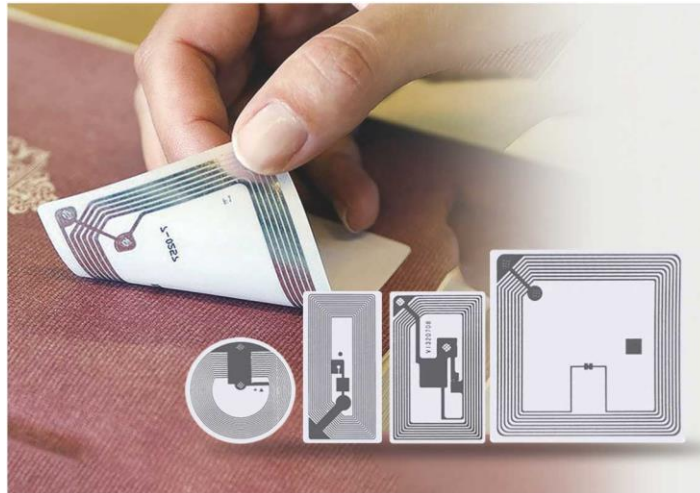
Product	RFID Jewelry Label
Chip type	Impinj Monza R6/R6-P, U9xe, can be customized
Frequency	860~960MHz
Protocol	ISO18000 6B / 6C
Working Temperature	-20°C~+85°C Storage temperature: -20°C ~ +100°C
Installation method	Paste and hang
Packaging Material	PET+ adhesive Material characteristics: Surface waterproof
Printing	Printing & printing/coding/barcoding/design, can be customized
Applicable period	Erasable times: ≥ 100,000 times, Service life: ≥ 10 years
Application	Jewelry security management, glasses tracking, luggage management, etc.



Product	RFID Flexible Anti Metal Label
Chip type	Can customized
Frequency	13.56MHz/860~960MHz
Protocol	ISO14443 / ISO15693 / ISO18000 6B / 6C
Working Temperature	-40°C~+85°C
Material Technology	Coated paper/Bright white PET/PP synthetic paper/Thermal paper/PVC
Process Inverted	packaging + composite
Applicable period	Erasable times: ≥ 100,000 times, Service life: ≥ 10 years

# RFID Label

Product	RFID clothing Label
Chip type	NXP U8, can be customized
Frequency	860~960MHz
Protocol	ISO18000 6B / 6C, EPC Class1 Gen2
Working Temperature	-40°C~+85°C
Surface Technology	Printing silk punching, etc.
Material	Coated paper
Applicable period	Erasable times: ≥ 100,000 times, Service life: ≥ 10 years



Product	RFID book Label
Chip type	Can be customized
Frequency	13.56MHz
Protocol	ISO15693
Working Temperature	-40°C~+85°C Storage temperature: -20°C ~ +100°C
Material Technology	Copperplate paper/Bright white PET/PP synthetic paper/Thermosensitive paper/PVC
Process Inverted	packaging + composite
Applicable period	Erasable times: ≥ 100,000 times, Service life: ≥ 10 years



# Glass Tube Tag

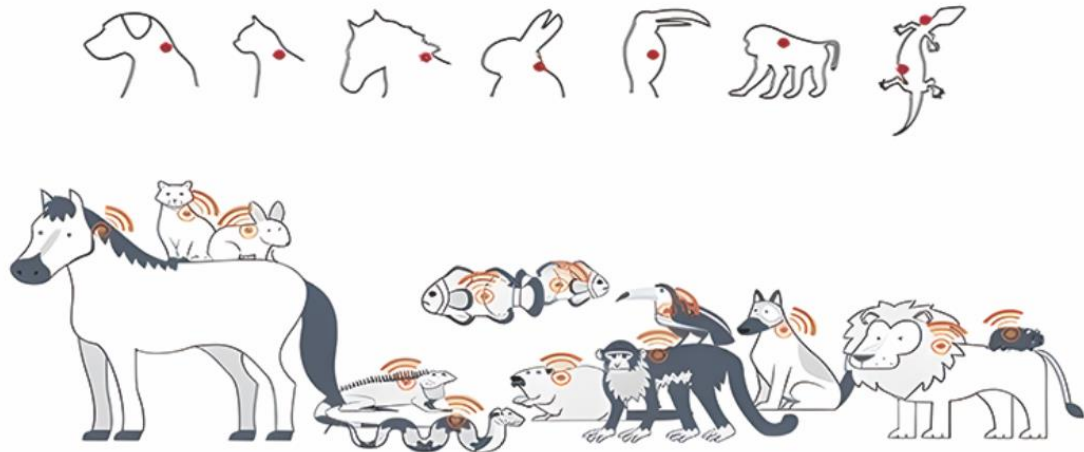
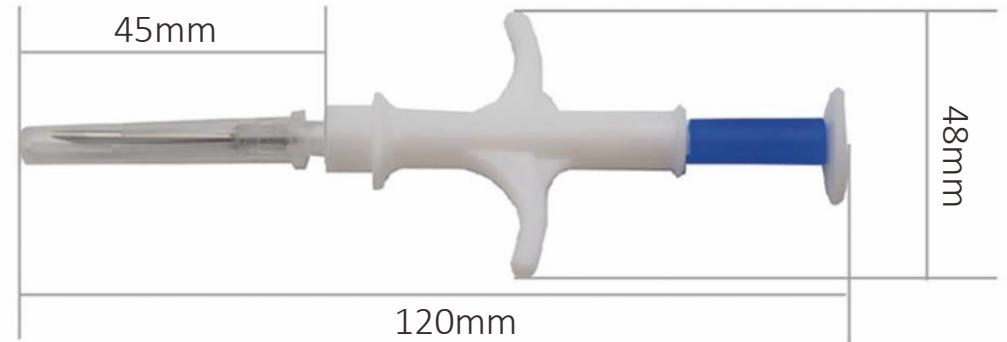
Product	RFID implantable animal husbandry electronic tag
Frequency	Low frequency 134.2KHz
Animal recognition format	FDX-A / FDX-B / HDX etc.
Chip	TK4100, EM4305, EM4200, T5577, etc.(Multiple chips for selection only)
Protocol	Complies with S011784/1S011785
Size	1.25*8mm, 1.4*8mm, 2.12*12mm, 3*13mm, 3*15mm or customized
Material	Bioglass, with excellent antibacterial, anti-allergic, and biocompatibility
Working Temperature	-20 °C to 80 °C, instantaneous temperature can reach above 120 °C
Storage temperature	-40 °C to 80 °C
Working time	capable of long-term stable operation for more than ten years
Large reading range	About 12cm
Number of reads and writes	100000 times
Product features	Having a global UID serial number, assigning all item identities, effective anti-counterfeiting and identity recognition
Application	Jewelry security management, glasses tracking, luggage management, etc.



# Glass Tube Tag



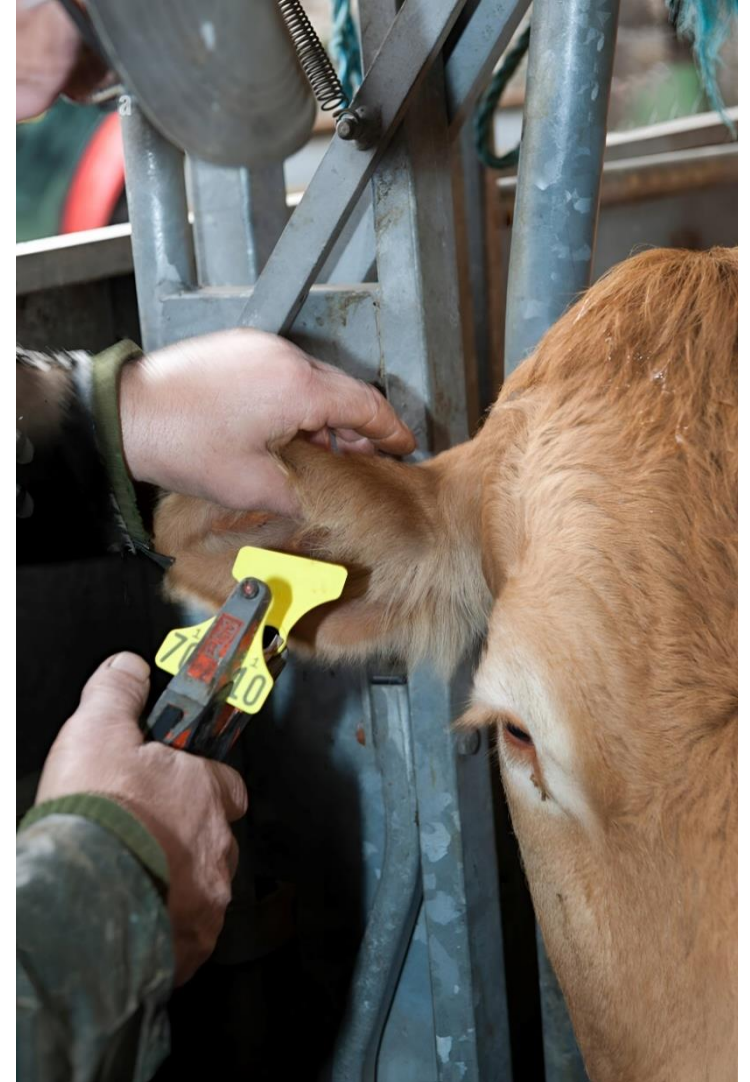
Glass tube labels with multiple size options  
Unit: mm



# Animal Ear Tag

## Animal Ear Tag

Specifications	100 sets/pack (default number range 001-100)
Color	Orange, yellow, green (supports customized)
Frequency	860-960MHz
Chip	Alien H3 Can be customized
Protocol	EPCGen2 / ISO18000-6C
Working Temperature	-40° C~+85° C
Purpose	Animal identification
Characteristic	Laser engraving does not fade, TPU material. Cold resistant, heat-resistant, and frost resistant, used in conjunction with ear tags and ear



# Animal Ear Tag

## 01 Modified TPU material

TPU material can withstand cold, freezing, and heat resistance.

## 02 Taiwan Inspires Taiwan Laser Engraving

Using Taiwanese laser engraving, not fading.

## 03 Copper headed earrings

Copper earrings, non rusting, non corrosive.

## 04 Extra bold font

bold and enlarged font, more eye-catching.

Bull ear tag

7.2cm



6cm

Sheep ear tag

1.8cm



5cm

Pig ear tag

4.8cm



4cm

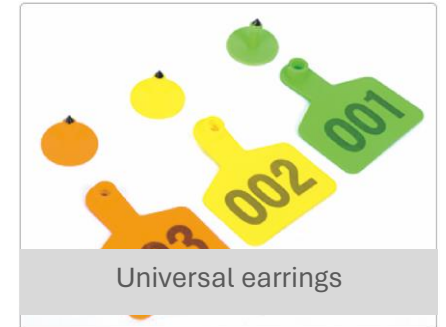
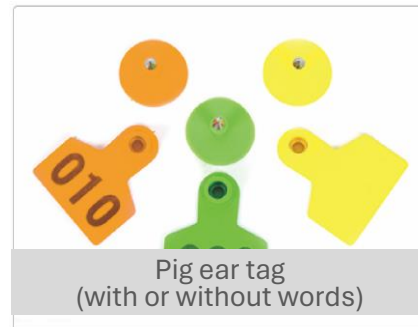
Ear tag

2.8cm



Circular ear tag

2cm



\*The equipment for identifying and tracking farm animals is usually installed on their ears. Tags include numerical codes, barcodes, or RFID chips to identify the animal's breed, date of birth, health status, and other important information.

# Products

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## RFID Anti-Metal tags

RFID anti metal tag is a specially designed RFID tag mainly used in scenarios that require attachment or fixation on metal surfaces conduct data collection and item tracking.

### Tag features:

- **Anti metal design**
- **High precision recognition**
- **Strong durability**

The emergence of RFID anti metal tags provides an efficient and accurate solution for tracking and managing items on metal surfaces helps improve production efficiency and the accuracy of item tracking.

# Products

## RFID Anti-Metal tags Scenario Applications

Widely applicable: Suitable for tracking and managing various items that need to be attached or fixed on metal surfaces, such as factory production lines, warehousing logistics, equipment management, metal asset tracking, etc.






# RFID Anti-Metal Tag







## SMALL SIZE UHF ANTI-METAL RFID TAGS

Small size ultra-high frequency (UHF) anti metal tag is an electronic tag specifically designed to be attached to metal surfaces and capable of remote identification within the ultra-high frequency range.

This type of tag is typically used in scenarios where metal items need to be tracked and managed, such as inventory management, asset tracking, production line management, etc.






Graph	Type	Mat'l/Size(LxWxT)	Chip EPC/User(bits)	Freg(MHz)/ Read Range	Application/ Storage temp	Attachment
	10-PCB0505	PCB 5mm(Dia), 3mm(T) 5mm(Dia), 2mm(T)	Ucode8 128/ 0	902~928 0.25m	-25°C~75C 40°C~110°C	Sticker
	10-PCB0904	PCB 9.3 x 4.3 x 1.6mm	Ucode7M 128/32	902~928 0.25m	-25°C~75C 40°C~110°C	Sticker
	10-PCB1005	PCB 10 x 5 x 3mm	Ucode8 128/0	902~928 0.45m	-25°C~75C 40°C~110°C	Sticker
	10-PCB1010	PCB 10mm(Dia), 2mm(T) 10mm(Dia), 3mm(T)	M4QT 128/512 Ucode8 128/0	902~928 0.45m	-25°C~75C 40°C~110°C	Sticker
	10-PCB1207	PCB 12 x 7 x 3mm	Ucode8 128/0 M4QT 128/512	902~928 0.70m	-25°C~75C 40°C~110°C	Sticker

# RFID Anti-Metal Tag

Graph	Type	Mat'l/Size(LxWxT)	Chip EPC/User(bits)	Freg(MHz)/ Read Range	Application/ Storage temp	Attachment
	10-PCB1309	PCB 13 x 9 x 3mm	Ucode8 128/0 M4QT 128/512	902~928 0.85m	-25°C~75C 40°C~110°C	Sticker
	10-PCB1809	PCB 18 x 9 x 3mm 18 x 9 x 2mm	Ucode8 128/0	902~928 0.60m	-25°C~75C 40°C~110°C	Sticker
	10-PCB2208	PCB 22 x 8 x 2mm	Ucode7M 128/32 Ucode8 128/ 0	902~928 1m	-25°C~75C 40°C~110°C	Sticker
	10-PCB2309	PCB 23 x 9 x 3.0mm	Ucode8 128/0	902~928 1.3m	-25°C~75C 40°C~110°C	Sticker
	10-Cer1010	Ceramic 10mm(Dia), 1.8mm(T)	H3 96/512 Ucode8 128/0	902~928 1.3m	-25°C~75C 40°C~110°C	Sticker
	10-Cer1309	Ceramic 13 x 9 x 3mm	H3 96/512 Ucode8 128/0	902~928 1.7m	-25°C~75C 40°C~110°C	Sticker



# RFID Anti-Metal Tag





Graph	Type	Mat'l/Size(LxWxT)	Chip EPC/User(bits)	Freg(MHz)/ Read Range	Application/ Storage temp	Attachment
	10-Cer1616	Ceramic 16mm(Dia), 2mm(T)	H3 96/512 Ucode8 128/0	902~928 1.7m	-25°C~75C 40°C~110°C	Sticker
	10-Cer1909	Ceramic 19 x 9 x 3 mm	H3 96/512 Ucode8 128/0	902~928 1.7m	-25°C~75C 40°C~110°C	Sticker
	10-Cer2117	Ceramic 21 x 17 x 2mm	H3 96/512 Ucode8 128/0	902~928 2.1m	-25°C~75C 40°C~110°C	Sticker
	10-Cer2509	Ceramic 25 x 9 x 3mm	H3 96/512 Ucode8 128/0	902~928 4m	-25°C~75C 40°C~110°C	Sticker
	10-Cer2525	Ceramic 25 x 25 x 3mm	H3 96/512 Ucode8 128/0	902~928 5m	-25°C~75C 40°C~110°C	Sticker

- 1: Might be of different read range by different readers and applications.
- 2: The above list does not include all the small size products of CHIPBOND, if needed, please contact with CHIPBOND.
- 3: Can choose ETSI, FCC types, can choose other chips.
- 4: Can customize tags.

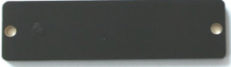
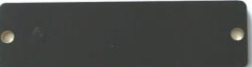
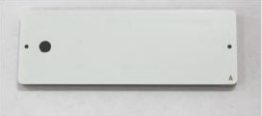


# RFID Anti-Metal Tag

## UHF ANTI-METAL RFID TAGS





The UHF anti-metal tag is designed for application on metal surfaces. Using the UHF RF technology, it has the characteristics of resistance to metal interference. The Tags are usually applied in situations that require identification and tracking on metal objects. Such as asset management, logistics tracking, manufacturing process monitoring, etc.

Graph	Type	Mat'l/Size(LxWxT)	Chip EPC/User(bits)	Freq(MHz)/ Read Range	Application/ Storage temp	Attachment
	10-PCB3613	PCB 36 x 13 x 3mm	M4QT 128/ 512 Ucode8 128/0	902~928 M4QT: 1.1m Ucode8: 1.7m	-25°C~75C 40°C~110°C	Sticker/screw /rivet
	10-PCB5010	PCB 50 x 10 x 3mm	Ucode8 128/0	902~928 1.5m	-25°C~75C 40°C~110°C	Sticker/screw /rivet
	10-PCB5313	PCB 53 x 13 x 3.4mm	M4QT 128/512	902~928 1.55m	-25°C~75C 40°C~110°C	Sticker/screw /rivet
	10-PCB6025	PCB 60 x 25 x 3.4mm	M4QT 128/512	902~928 2m	-25°C~75C 40°C~110°C	Sticker/screw /rivet

# RFID Anti-Metal Tag

Graph	Type	Mat'l/Size(LxWxT)	Chip EPC/User(bits)	Freg(MHz)/ Read Range	Application/ Storage temp	Attachment
	10-PCB7020	PCB 70 x 20 x 3.4mm 70 x 20 x 3.0mm	M4QT 128/512 Ucode8 128/0	902~928 2m	-25°C~75C 40°C~110°C	Sticker/screw /rivet
	10-PCB8020	PCB 80 x 20 x 3.4mm 80 x 20 x 3.0mm	M4QT 128/512 Ucode8 128/0	902~928 2.2m	-25°C~75C 40°C~110°C	Sticker/screw /rivet
	10-PCB8530	PCB 85 x 30 x 3.4mm	QSTAR 496/1496 H3 96/512	902~928 1.8m	-25°C~75C 40°C~110°C	Sticker/screw /rivet
	10-PCB8554	PCB 85 x 54 x 3.4mm	QSTAR 496/1496 H3 96/512	902~928 4m	-25°C~75C 40°C~110°C	Sticker/screw /rivet
	10-PCB9011	PCB 90 x 11 x 3.4mm	M4QT 128/512	902~928 1.8m	-25°C~75C 40°C~110°C	Sticker/screw /rivet

# RFID Anti-Metal Tag

Graph	Type	Mat'l/Size(LxWxT)	Chip EPC/User(bits)	Freg(MHz)/ Read Range	Application/ Storage temp	Attachment
	10-PCB9522	PCB 95 x 22 x 3mm	M4QT 128/512	902~928 3.7m	-25°C~75C 40°C~110°C	Sticker/screw /rivet
	10-PCB9525	PCB 95 x 25 x 3.4mm 95 x 25 x 3.0mm	M4QT 128/512 Ucode8 128/0	902~928 3.7m	-25°C~75C 40°C~110°C	Sticker/screw /rivet
	10-PCB7515	PCB 75 x 15 x 3mm	U8 128/0	902~928 1.5m	-25°C~75C 40°C~110°C	Sticker/screw /rivet
	10-PCB10030	PCB 100 x 30 x 3.4mm	M4QT 128/512	902~928 3.7m	-25°C~75C 40°C~110°C	Sticker/screw /rivet

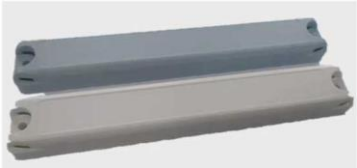

1: Might be of different read range by diffent readers and applications.

2: The above list does not include all the small size products of CHIPBOND, if needed, please contact with CHIPBOND.




# RFID Anti-Metal Tag

## UHF ANTI-METAL RFID TAGS



The UHF anti-metal tag is designed for application on metal surfaces, with a special design and UHF technology. Ability to work efficiently in a metal environment and to identify long distances. Its small size, resistance to metal interference, highly sensitive identification performance and high temperature resistance, wear resistance characteristics. This tags provides an effective way for enterprises to realize the intelligent management of metal objects, so as to improve the production efficiency and logistics operation level.

Graph	Type	Mat'l/Size(LxWxT)	Chip EPC/User(bits)	Freg(MHz)/ Read Range	Application/ Storage temp	Attachment
	10-Pls2003020	Plastic (Engineering plastic) 200 x 30 x 18mm (A variety of colors are available,10-year outdoor life is available)	Ucode7M 128/32 ( Ucode8,R6P Ucode7XM + 2K Large-capacity chip is available)	902~928 9m	-25°C~70C -40°C~70°C	Sticker/screw/ rivet/cabletie
	10-P1s1553010	Plastic (Engineering plastic) 155 x 30 x 10mm (A variety of colors are available,10-year outdoor life is available)	Ucode7M 128/32 ( Ucode8,R6P Ucode7XM + 2K Large-capacity chip is available)	902~928 7m	-25°C~70C -40°C~70°C	Sticker/screw/ rivet/cabletie

# RFID Anti-Metal Tag

Graph	Type	Mat'l/Size(LxWxT)	Chip EPC/User(bits)	Freg(MHz)/ Read Range	Application/ Storage temp	Attachment
	10-P1s852011	Plastic (Engineering plastic) 85 x 20 x 11mm (A variety of colors are available,10-year out door life is available)	M4QT 128/512	902~928 4m	-25°C~70C -35°C~70°C	Sticker/screw /rivet
	10-Pls7025065	Plastic (Engineering plastic) 70 x 25 x 5mm (A variety of colors are available,10-year out door life is available)	Ucode7M96/32 ( Ucode8,R6P Ucode7XM + 2K Large-capacity chip is available)	902~928 1.5m	-25°C~70C -40°C~70°C (Products with long-term high temperature resistance of 25 degrees re available.)	Sticker/screw /rivet
	10-P1s8856- Electronic License Plate (ELP)	PC 88 x 56.5 x 4mm 85.6 x 54 x 3.3mm	H3or M4QTOr the customer provides a specific chip (supports EPC protocol chip, The secret Algorithm chip,National Military Standard Chip, Intelligent transportation chip)	902~928 Meet customer's reading distance requirements	-25°C~80C -40°C~90°C	Stiker(can choose the type anti-removing)

# RFID Anti-Metal Tag

Graph	Type	Mat'l/Size(LxWxT)	Chip EPC/User(bits)	Freq(MHz)/ Read Range	Application/ Storage temp	Attachment
	10-P1s3512	Plastic (Engineering plastic) 35 x 12 x 5mm (A variety of colors are available, 10-year outdoor life is available)	H3 96/512 (Ucode8, R6P Ucode7XM + 2K Large-capacity chip is available)	902~928 1.5m	-25°C~70°C -40°C~70°C	Sticker
	10-EAS+RFID	ABS A variety of colors are available	Various ultra-high frequency chips are optional, EAS optional, RF or magnetic acoustic re optional	902~928	-25°C~70°C -35°C~70°C	Special tooling to open the female and male parts



- 1: Tags can choose European standard, Parts of tags have a variety of chips to choose. (Such as ETSL or other chips)
- 2: Can customize different appearance and use different chip for tags.
- 3: Can choose more than 10 years outdoors life tags
- 4: Can do laser or silk screen printing on surface.
- 5: Can customize products according to customer requirements.

# RFID Anti-Metal Tag

## SOFT UHF ANTI-METAL RFID TAGS


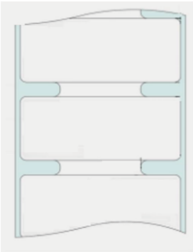
Soft UHF anti-metal tag is a flexible RFID tag designed for application on metal surfaces.

Its use of soft materials allows the label to be curved and can be attached to metal surfaces more flexibly, while still maintaining the efficient identification capabilities of UHF technology. This type of label often plays a role in application scenarios that require bending or attaching to irregular metal surfaces, such as industrial manufacturing, logistics management, warehousing and other fields, providing an adaptable, efficient and stable tracking and management solution.

Graph	Type	Mat'l/Size(LxWxT)	Chip EPC/User(bits)	Freg(MHz)/ Read Range	Application/ Storage temp	Attachment
	10-PET10325	PET 103 x 25 x 1.7mm	M4QT 128/512 Ucode7XM+2K 448/2048	902~928 3.5m	-25°C~70C -35°C~70°C	Sticker
	10-PET7325	PET 73 x 25 x 1.7mm	M4QT 128/512 Ucode7XM+2K 448/2048	902~928 2.4m	-25°C~70C -35°C~70°C	Sticker





# RFID Anti-Metal Tag

Graph	Type	Mat'l/Size(LxWxT)	Chip EPC/User(bits)	Freg(MHz)/ Read Range	Application/ Storage temp	Attachment
	10-PET6025	PET 60 x 25 x 1.7mm	M4QT 128/512 Ucode7XM+2K 448/2048	902~928 2m	-25°C~70C -35°C~70°C	Sticker
	Printable On metal tags	PET different sizes, can be printed by all rfid printers	R6 128/0	902~928 Different sizes, different reading distance	-25°C~70C -35°C~70°C	Sticker

\*Can be customized according to customer requirements.

# RFID Anti-Metal Tag



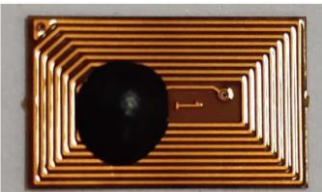
## HIGH TEMP UHF ANTI-METAL RFID TAGS

Graph	Type	Mat'l/Size(LxWxT)	Chip EPC/User(bits)	Freg(MHz)/ Read Range	Application/ Storage temp	Attachment
	10-P1s4631	Plastic (Engineering plastic) 46 x 31 x 7.5mm	H3Ucode7M or R6P chip	902~928 5m	25°C~80°C -40°C~200°C more than 1 year under 200°C	screw / rivet
	10-P1s3714	Plastic (Engineering plastic) 37 x 14 x 7mm	H3Ucode7M or R6P chip	902~928 2m	25°C~80°C -40°C~200°C more than 1 year under 200°C	screw / rivet


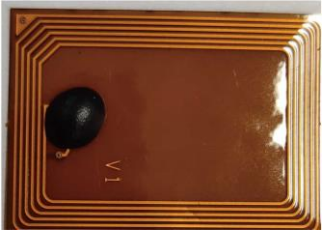

\*Can customize high temperature on metal / Off metal tags, which can be kept under 300 °C or 400 °C.

## RELIABEL FLEXIBLE HI-TEMP TAGS

The tags are suitable for high temperature environment, with excellent high temperature resistance and reliability. It is made of soft material with good flexibility and can fit the surface of different shapes. The label surface is coated with a special anti-pollution coating, which effectively prevents stains and liquid penetration, keeping the label clean and readable.

Graph	Type	Mat'l/Size(LxWxT)	Chip EPC/User(bits)	Freg(MHz)/ Read Range	Application/ Storage temp	Attachment
	10-PI4909-U8	PI 49 x 09 x 1.02mm	UCODE 8 128	10years	-45°C +180°C	In-shell mounting Flush mounting
	10-PI2525-R6P	PI 25 x 25 x 1.15mm	R6P 128/32	10years	-45°C +180°C	In-shell mounting Flush mounting
	10-PI-1308-icode slix	PI 13 x 0.8 x 1.12mm	Icode slix	10years	-45°C +180°C	In-shell mounting Flush mounting

# RFID PI Tag

Graph	Type	Mat'l/Size(LxWxT)	Chip EPC/User(bits)	Freg(MHz)/ Read Range	Application/ Storage temp	Attachment
	10-PI-1812-icode slix	PI 18 x 12 x 0.83mm	Icode slix	10years	-45°C +180°C	In-shell mounting Flush mounting
	10-PI-2518-icode slix	PI 25 x 18 x 0.84mm	Icode slix	10years	-45°C +180°C	In-shell mounting Flush mounting
	10-PI-1010-icode slix	PI 直径10	Icode slix	10years	-45°C +180°C	In-shell mounting Flush mounting

This tag has highly reliable data storage and transmission functions, which can stably read and record data to ensure data accuracy and consistency.

It is widely used in automobile manufacturing, electronic equipment production, aerospace and other fields, providing reliable data collection and item tracking solutions for these industries.

# Products

## RFID Laundry Tag

RFID laundry tags is a specially designed RFID tag used to track and manage clothing during the washing process. It provides an intelligent and convenient solution for the management and tracking of clothes during the washing process, helping to improve washing efficiency and protect clothes quality.



### Tag features:

- **Water-resistant design**
- **High temperature resistance**
- **Durable**
- **Information recording**
- **Intelligent management**






# RFID Laundry Tag

Laundry tags are information labels that come with clothing and are designed to provide consumers with detailed guidance on the correct washing, ironing, drying and maintenance of clothing. These labels use standard symbols and text and cover key information such as the material composition of the clothing, washing temperature, prohibited bleach, ironing temperature, etc.

Graph	Type	Mat'l/Size(LxWxT)	Chip EPC/User(bits)	Freg(MHz)/ Read Range	Application/ Storage temp	Attachment
 <p>The surface can be printed with a printer that supports roll materials, and can be washed and withstand one wash in the garment processing process.</p>	10-Wov9040	Polymer material 90 x 40 x 0.35(T) mm Different sizes can be customized	R6 96/0 Other chips optional	Support 1 cycle time washing during cloth manufacturing	-25°C ~ 70C -35°C ~ 70°C	Sewing
	10-P1s2020	PPS+Epoxy Thickness 23mm Dia 20 mm	Ucode7M 128/32 or H3	More than 200 cycle life	Washing: 90°C/15 min Ironer 180°C/12 Sec Sterilization: 135°C/20 min Pressure: 20 ars	Pouch



# RFID Laundry Tag

Graph	Type	Mat'l/Size(LxWxT)	Chip EPC/User(bits)	Freg(MHz)/ Read Range	Application/ Storage temp	Attachment
	10-P1s2525	PPS+Epoxy Dia25 mm Thickness34mm	Ucode7M 128/32 or H3	More than 200 cycle life	Washing: 90°C/15 min Ironer 180°C/12 Sec Sterilization:135°C/20 min Pressure:20 ars	Pouch
	10-Pls1818	PPS+Epoxy Dia18 mm Thickness28mm	Ucode7M 128/32 M4QT 128/512	More than 200 cycle life	Washing: 90°C/15 min Ironer 180°C/12 Sec Sterilization:135°C/20 min Pressure:20 ars	Sewing
	10-Laundry5512	silicone Textile 55 x12 x 2.5(T)mm	Ucode7M 128/32	More than 200 cycle life	Washing: 85°C/15 min Ironer 160°C/12 Sec Pre-drying:80°C Sterilization:135°C/20 min Pressure:20 brs	Sewing

- 1: All parts can be using for ETSI and FCC.
- 2: Can customize textile laundry tags by different sizes.
- 3: Can be customized laundry tags according to different chips, and supports the customization and mass production of laundry tags of EPC, national secrets, national military standards, and police standards.
- 4: Three year or 200 cycle times warranty.




# RFID Laundry Tag

By following the advice on the laundry tag, consumers can treat their clothes correctly and extend their service life, while maintaining appearance and quality. Therefore, laundry tag play an important guiding role in the process of maintaining clothing for consumers.

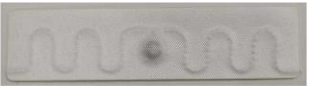

Graph	Type	Mat'l/Size(LxWxT)	Chip EPC/User(bits)	Freg(MHz)/ Read Range	Application/ Storage temp	Attachment
	10-Laundry7015	Textile 70 x 15 x 1.5(T)mm	Ucode7M 128/32	More than 200 cycle life	Washing: 90°C/15 min Ironer 190°C/12 Sec Pre-drying:80°C/20 min Sterilization:135°C/20 min Pressure: 0 brs	Sewing
	10-Laundry7015 -MRI	Textile 70 x 15 x 1.5(T)mm	Ucode7M 128/32	More than 200 cycle life	Washing: 90°C/15 min Ironer 190°C/12 Sec Pre-drying:80°C/20 min Sterilization:135°C/20 min	Sewing



# RFID Laundry Tag

Graph	Type	Mat'l/Size(LxWxT)	Chip EPC/User(bits)	Freg(MHz)/ Read Range	Application/ Storage temp	Attachment
	10-Laundry7015 -H	Textile 70 x 15 x 1.5(T)mm	Ucode7M 128/32	More than 200 cycle life	Washing: 90°C/15 min Ironer 190°C/12 Sec Pre-drying:80°C/20 min Sterilization:135°C/20 min	Sewing or heat sealing (210°C /15s)
	10-Laundry7515	Textile 75 x 15 x 1.5(T)mm	Ucode7M 128/32	More than 200 cycle life	Washing: 90°C/15 min Ironer 190°C/12 Sec Pre-drying:80°C/20 min Sterilization:135°C/20 min	Sewing or cable tie
	10-Laundry7010	Textile 70 x 10 x 1.5(T)mm	Ucode7M 128/32	More than 200 cycle life	Washing: 90°C/15 min Ironer 190°C/12 Sec Pre-drying:80°C/20 min Sterilization:135°C/20 min	Sewing

# RFID Laundry Tag

Graph	Type	Mat'l/Size(LxWxT)	Chip EPC/User(bits)	Freg(MHz)/ Read Range	Application/ Storage temp	Attachment
	10-Laundry7018	Textile 70 x 18 x 1.5(T)mm	Ucode7M 128/32	More than 200 cycle life	Washing: 90°C/15 min Ironer 190°C/12 Sec Pre-drying:80°C/20 min Sterilization:135°C/20 min	Sewing
	10-Laundry5815	Textile 58 x 15 x 1.5(T)mm	Ucode7M 128/32	More than 200 cycle life	Washing: 90°C/15 min Ironer 190°C/12 Sec Pre-drying:80°C/20 min Sterilization:135°C/20 min	Sewing

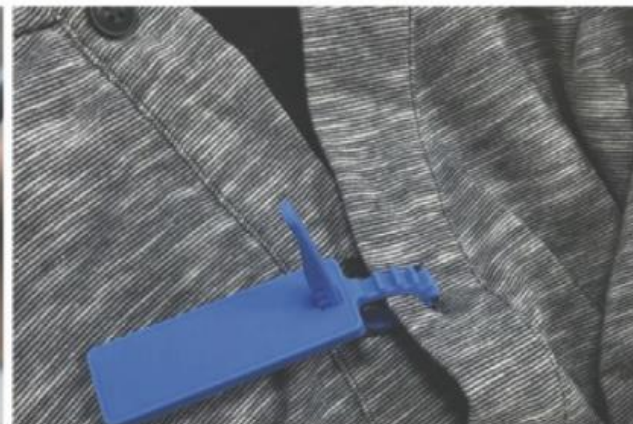
- 1: All parts can be using for ETSI and FCC.
- 2: Can customize textile laundry tags by different sizes.

# RFID Tie Tag

Product	RFID Tie Tag
Chip	FM11RF08, I CODE SLI-X, NTAG213, H3, M730 , customizable
Frequency	13.56MHz / 860~960MHz
Protocol	ISO14443A / ISO15693 / ISO18000 6B/6C
Working Temperature	-25°C~+55°C Storage temperature: -35°C~+70°C
Material	PP environmentally friendly material
Custom printing	Laser or silk screen
Applicable period	Erasable times: ≥ 100,000 times, Service life: ≥ 10 years
Color	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> customizable



## Case Applications



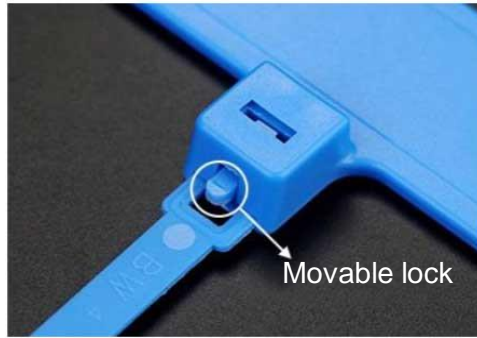
# RFID Tie Tag



The cable tie can only go in but not out, the bayonet is not easy to loosen, and it is a one-time use



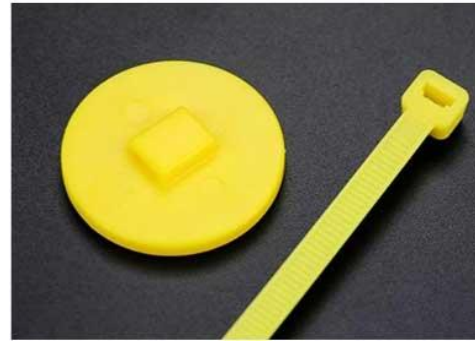
Self-locking Tie



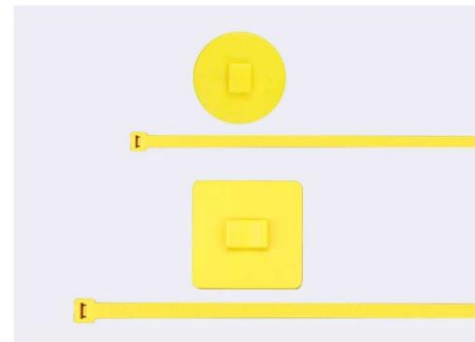
Movable lock, press to retract the tie, and the label can be reused.



Movable Tie



The label is separated from the cable tie, the label can be reused, and the cable tie can be replaced by itself after being dismantled.



Separate Tie

## Support customized Free design layout

Can be customized according to customer requirements, LOGO, barcode and QR code, to support customized size, chip model, color, etc.



# RFID Card Reader

## A6 high and low dual frequency card reader

Dimensions	99.5*99.5*19.8mm (tolerance $\pm 3$ mm) wire length 1000mm (tolerance $\pm 10$ mm)
Electrical parameters	Working voltage : DC 5V ( $\pm 4\%$ ) Standby current : Passive: 20mA-50mA Active: 40mA-90mA Card Current : less than 120mA
Environmental requirements	Working temperature: $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$ Storage temperature: $-20^{\circ}\text{C} \sim 65^{\circ}\text{C}$
Working frequency	13.56MHz, 125KHz, 134KHz,
Operating mode	Active mode/Passive mode
International standards	ISO/IEC14443A/B, ISO/IEC15693, ISO18000-2, ISO7815
Communication format	USB output
Firmware version	CHIPBOND_A6_20210607_V1.00
Hardware version	CHIPBOND_A6_V1.00_20210524
Software version	CHIPBOND_A6_20210607_V1.01.hex



# RFID Card Reader

## U3 UHF card reader

Dimensions	99.5*99.5*19.8mm (tolerance $\pm 3$ mm) wire length 1000mm (tolerance $\pm 10$ mm)
Electrical parameters	Working voltage : DC 5V ( $\pm 4\%$ ) Standby current : Passive: 20mA-50mA Active: 40mA-90mA Card Current : less than 120mA
Environmental requirements	Working temperature: $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$ Storage temperature: $-20^{\circ}\text{C} \sim 65^{\circ}\text{C}$
Working frequency	902MHz~928MHz, 865MHz~868MHz
Operating mode	Active mode/Passive mode
International standards	ISO18000-2
Communication format	USB output
Firmware version	CHIPBOND_U3_20210616_V1.00
Hardware version	CHIPBOND_A6_V1.00_20210604
Software version	CHIPBOND_A6_20210604_V1.01.hex



# RFID Card Reader

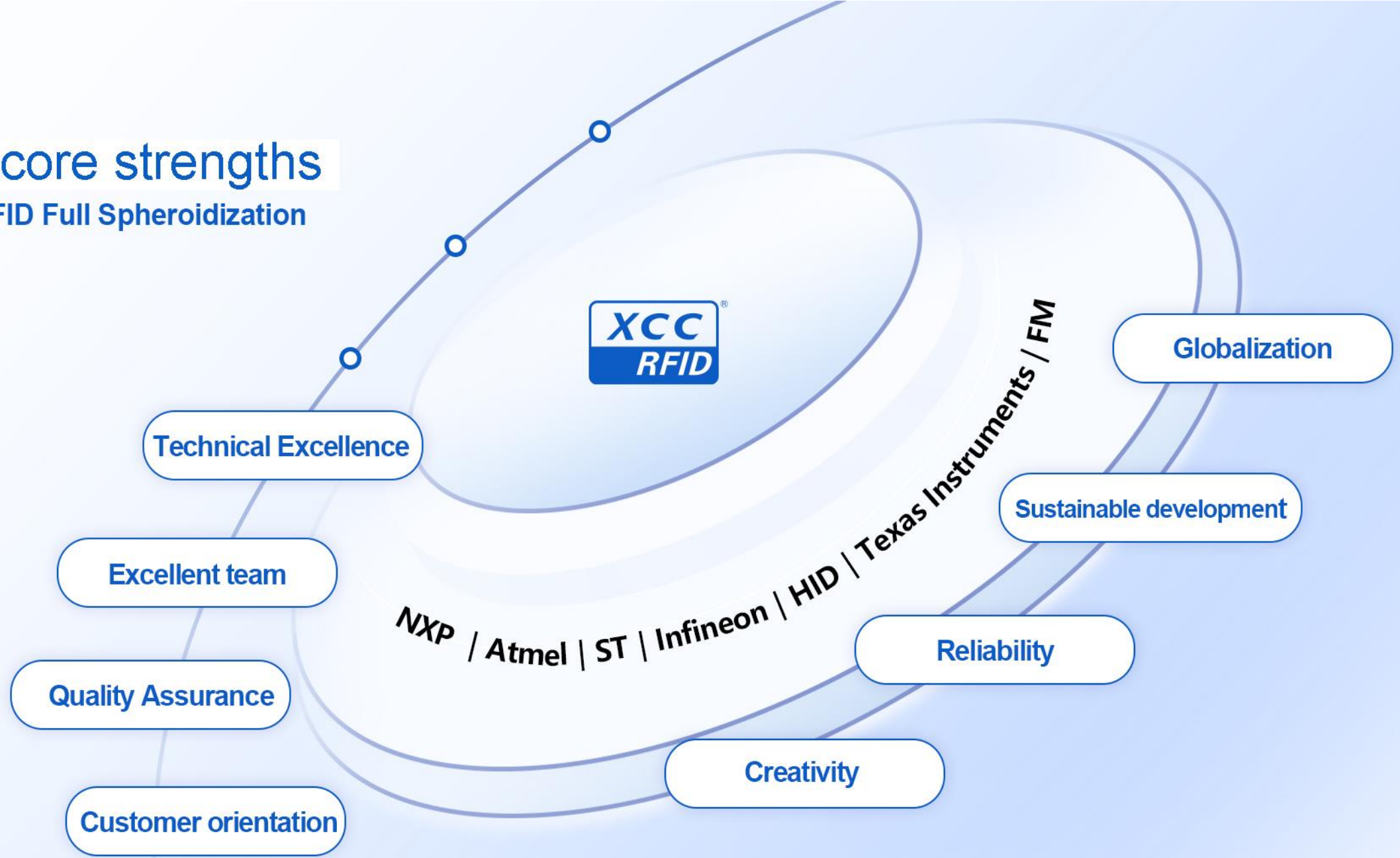
## Q7 multi-protocol card reader

Dimensions	99.5*99.5*19.8mm (tolerance $\pm 3$ mm) wire length 1000mm (tolerance $\pm 10$ mm)
Electrical parameters	Working voltage : DC 5V ( $\pm 4\%$ ) Standby current : Passive: 20mA-50mA Active: 40mA-90mA Card Current : less than 120mA
Environmental requirements	Working temperature: $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$ Storage temperature: $-20^{\circ}\text{C} \sim 65^{\circ}\text{C}$
Working frequency	13.56MHz
Operating mode	Active mode/Passive mode
International standards	ISO/IEC14443A/B, ISO/IEC15693
Communication format	USB output
Firmware version	CHIPBOND_U3_20210708_V1.02.bin
Hardware version	CHIPBOND_A6_V1.00_2021062
Software version	CHIPBOND_A6_20210706_V1.01.hex



# Our core strengths

XCC RFID Full Spheroidization



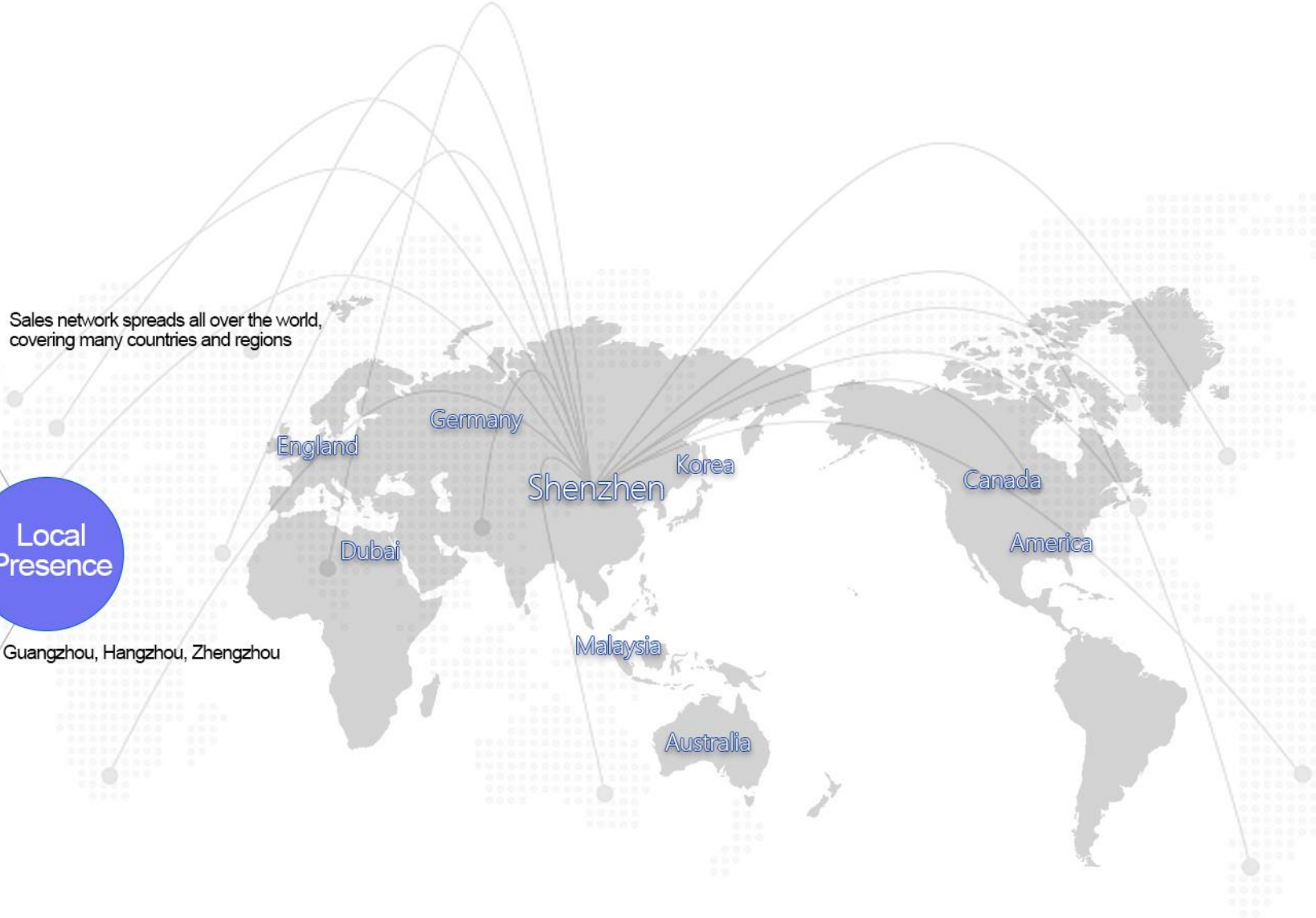


# Our Sales network



Sales network spreads all over the world, covering many countries and regions

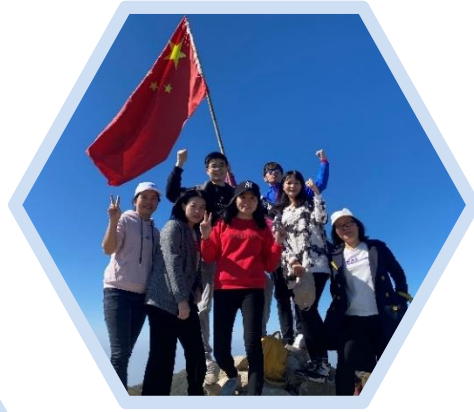
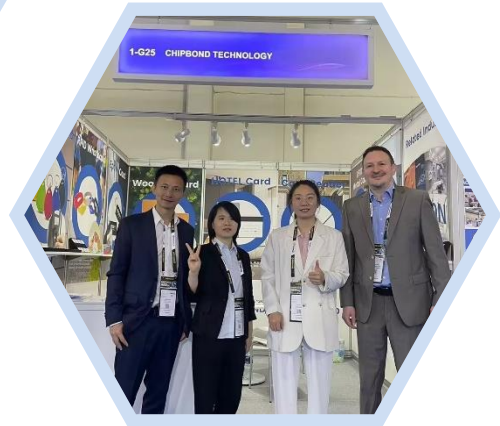
Shenzhen, Guangzhou, Hangzhou, Zhengzhou



Emphasis on building long-term customer relationships and providing personalized support

# Highlights photos

## Global Exhibition



One Team,  
One Dream.

# Our Customers



Acknowledgements

# Thanks

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