



LIVING WELL INDUSTRIAL CO., LTD

力贏威實業有限公司

NFC & RFID PRODUCTS

LIVING WELL INDUSTRIAL CO., LTD (LWI) was established in 2014. According to the market demand, we've registered Tacboom, which specializes in designing and providing intelligent products mainly for NFC/RFID products. We do OEM & ODM services and customize all kinds of products according to customer requirements. Our primary business consists of manufacturing, exporting and distributing the smart products for industrial, commercial and residential applications.

We've built our worldwide network for the business over the years with our extensive experience and good reputation through our loyalty and respect for our customers. We will continuously provide you with our best service in terms of quality, pricing, timing etc. Also, we will innovate and develop more and more new products to meet your requirements and the market trend. We strive every day to maintain the trust that we've achieved from our customers.

Looking forward to establishing or expanding business relationships with you that benefits for both of us.



DETECTING MACHINE



FLIP CHIP MACHINE



COMPOUND MACHINE



➤ Our Mission

We do OEM & ODM services and customize all kinds of products according to your requirements. Superior service will also create a new level of value for your work.

➤ Quality Policy

We own advanced production lines designed and introduced in accordance with international standards, including flip chip machines, RFID composite machines, die-cutting machines, detecting machines, Heidelberg printing machines, RFID automatic winding butt welding machines, grading laminators, high-speed card punching machines, special-shaped card dispensing machines and other advanced equipment.

LWI is committed to providing you with high quality products through continuous improvements to our pricing, project/order management, production, on time delivery, after sales service, product upgrades, etc. We strive to ensure that our products are in line with the most recent requirements of NFC/RFID products.

➤ Technology

Our strong technical & engineering teams will provide you with high-performance products according to your requirements or the most recent market trend.

➤ Why LWI?

Customer satisfaction is always #1.

Give LWI your requirements today and let us work for you and creat success together.



<i>Company Profile</i>	<i>02</i>
<i>About us</i>	<i>03</i>
<i>Contents</i>	<i>04</i>
<i>Label classification</i>	<i>05-06</i>
<i>UHF RFID Tags</i>	<i>07-08</i>
<i>HF RFID Tags</i>	<i>09-10</i>
<i>Library Label</i>	<i>11</i>
<i>Clothing Label</i>	<i>12</i>
<i>Jewelery Label</i>	<i>13</i>
<i>Washing Label</i>	<i>14</i>
<i>Anti-metal Label & Logistics Label</i>	<i>15</i>
<i>Anti-Counterfeit Traceability Label & Medicine Field Label</i>	<i>16</i>
<i>Other Labels (High Temperature Resistant Label, Fragile Label, Animals Label, Plants Label)</i>	<i>17</i>
<i>Smart Cards</i>	<i>18-24</i>
<i>Hardware Equipment</i>	<i>25-29</i>

Electronic labels can be divided into high-frequency labels and ultra-high frequency labels according to the working frequency. According to different materials, they can be packaged into different forms. They can be divided into dry inlay, wet inlay, self-adhesive labels, ABS labels, PCB labels, and woven labels, etc.

The individual parameters such as the chip, material, size, and printing of the label can be customized according to customer requirements. Customized labels are widely used in different industries such as libraries, logistics, jewelry, and clothing stores.



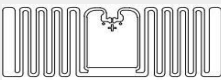
Picutre	Type	Chip	Material	Size	Craft	Application
	NFC sticker	Ntag 213/215/216, FudanF08, I CODE X (customizable)	Coated paper, PET, PVC	Round25mm,30mm, 40mm (customizable)	Printing, QRcode, barcode, UID number, serial number etc.	Mobile payment, membership management, anti-counterfeiting traceability etc.
	UHF sticker	NXP U CODE 7/8/9, Impinj R6/R6A/M4QT	Coated paper, PET, PVC	Round25mm, 30mm, 40mm (customizable)	Printing, QR code, barcode, UID number, serial number etc.	Asset management, clothing, logistics etc.
	HF anti-metal tag	Ntag 213/215/216, Fudan F08, I CODE X (customizable)	Coated paper, PET, PVC	Round25mm, 30mm, 40mm (customizable)	Printing, QR code, barcode, UID number, serial number etc.	Mobile payment, membership management, anti-counterfeiting trace ability etc.
	UHF sticker	NXP U CODE 7/8/9, Impinj R6/R6A/M4QT	PET Foam	65*35mm (customizable)	Printing, QR code, barcode, UID number, serial number, etc.	Asset management, metal equipment management etc.
	Clothing tag	NXP U CODE 7/8/9, Impinj R6/R6A/M4QT	Paper	100*40mm (customizable)	Printing, QR code, barcode, UID number, serial number etc.	Clothing management

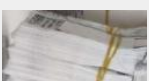
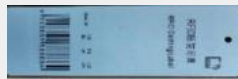
Picutre	Type	Chip	Material	Size	Craft	Application
	Tie label	NXP U CODE 7/8/9, Impinj R6/R6A/M4QT	ABS	92*28mm (customizable)	Yellow, green, red (customizable)	Fixed asset management, logistics etc.
	UHF sticker	NXP U CODE 7/8/9, Impinj R6/R6A/M4QT	ABS, sponge	134*21.5mm (customizable)	Yellow, green, red (customizable)	Fixed asset management, logistics, warehouse management etc.
	Jewelry label	Ntag 213/215/216, Fudan F08, I CODE X (customizable)	PET	77*26mm (customizable)	Printing, QR code, barcode, UID number, serial number etc.	Mobilepayment, membership management, anti-counterfeiting traceability etc.
	Woven label	NXP U CODE 7/8/9, Impinj R6/R6A/M4QT	Woven label, nylon cloth	60*30mm (customizable)	Printing, QR code, barcode, UID number, serial number, etc.	Clothing management
	Washing label	NXP U CODE 7/8/9, Impinj R6/R6A/M4QT	Flexible textile	100*40mm (customizable)	Printing, QR code, barcode, UID number, serial number etc.	Hotel linen management
	Anti-theft deduction	Impinj R6/R6A	ABS	70*30mm (customizable)	/	supermarket
	PCB label	NXP U CODE 7/8/9, Impinj R6/R6A/M4QT	PCB	79*19mm (customizable)	/	Fixed asset management, logistics, warehouse management, metal equipment, etc.



NXP Ucode 8 Tag Chip Series

Model	User Memory	EPC Memory	TID Memory	Serialized TID	Kill Passwords	Access Passwords
Ucode 8	None	128 bits	96 bits	48 bits	32 bits	32 bits
Ucode 9	None	96 bits	96 bits	48 bits	32 bits	32 bits

Model	Antenna pattern	Chip	Antenna size	Product size
7023		NXP U8	38*20mm	70*23mm
8046		NXP U8	42*16mm	80*46mm
H47		M4E	47*47mm	140*50mm
U4216		NXP U8	42*16mm	46*19mm
2U412		NXP U8	24*12mm	46*19mm
U3010		NXP U8	30*10mm	33*13mm
U7017		NXP U8	70*17mm	73*21mm
U5030		NXP U8	50*30mm	54*33mm
U7230		NXP U8	72*30mm	75*33mm

Model	Antenna pattern	Chip	Antenna size	Product size
U9460B		NXP U8	94*6mm	98*10mm
U9662B		NXP U8	96*62mm	73*21mm
U7014B		NXP U8	70*14mm	73*21mm
U9503B		NXP U8	95*03mm	98*06mm
U9508		NXP U8	95*08mm	73*21mm
U9424		NXP U8	94*24mm	98*27mm
U7010		NXP U8	70*10mm	77*26mm
U4116		NXP U8	41*16mm	44*18mm
Cloth label (4216C)		NXP U8	42*16mm	60*30mm
Cloting tag (7017C, 4216C)		NXP U8	42*16mm 70*17mm	100*40mm



Impinj Monza R6 Tag Chip Series

Model	User Memory	EPC Memory	TID Memory	Serialized TID	Kill Passwords	Access Passwords
MR6	None	96 bits	48 bits	48 bits	None	None
MR6-P	32(64) bits	128(96) bits	48 bits	48 bits	32 bits	32 bits
MR6-A	None	96 bits	48 bits	48 bits	32 bits	32 bits
MR6-B	None	96 bits	48 bits	48 bits	32 bits	32 bits

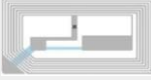
Model	Antenna pattern	Chip	Antenna size	Product size	Reading distance
R4015		Impinj R6	40*15mm	43*18mm	4m
R7014		Impinj R6	70*14mm	73*21mm	7m
R8024		Impinj R6	80*24mm	83*27mm	
R24		Impinj R6	Round 24mm	round 28mm	3m
R5030		Impinj R6	50*30mm	54*33mm	7m
R125-6		Impinj R6	125*6mm	130*9mm	6m



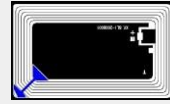
Impinj Monza 4 Tag Chip Series

Model	User Memory	EPC Memory	TID Memory	Serialized TID	Kill Passwords	Access Passwords
	32 bits	128 bits	48 bits	48 bits	32 bits	32 bits
	128 bits	496 bits	48 bits	48 bits	32 bits	32 bits
M4QT	512 bits	128 bits	48 bits	48 bits	32 bits	32 bits
	48 bits	256 bits	48 bits	48 bits	32 bits	32 bits

Model	Antenna pattern	Chip	Antenna size	Product size	Reading distance
MH44		Impinj M4E	44*44mm	50*50mm	7m
M26		Impinj M4E	round 26mm	round 30mm	
M1206		Impinj M4E	12*6mm	14*9mm	
M6626		Impinj M4	66*26mm	70*30mm	7m
M7009		Impinj M4	70*9mm	74*13mm	7m
M6817		Impinj M4	68*17mm	72*21mm	7m
M6512		Impinj M4	65*12mm	68*15mm	7m

Model	Antenna pattern	Chip	Antenna size	Product size	Reading distance
F22		Fudan F08	round 22mm	round 25mm	30-50cm
F27		Fudan F08	round 27mm	round 30mm	30-50cm
F34		Fudan F08	round 34mm	round 38mm	30-50cm
F15		Fudan F08	round 15mm	round 18mm	10-20cm
F2611		Fudan F08	26*11mm	30*15mm	20-30cm
F32		Fudan F08	32*32mm	35*35mm	30-50cm
F3822		Fudan F08	38*22mm	40*25mm	30-50cm
F5215		Fudan F08	52*15mm	55*18mm	30-50cm
F45		Fudan F08	45*45mm	50*50mm	50-80cm

Model	Antenna pattern	Chip	Antenna size	Product size	Reading distance
F7645		Fudan F08	76*45mm	86*54mm	50-80cm

Model	Antenna pattern	Chip	Antenna size	Product size	Reading distance
I33		I CODE X	round 33mm	round 36mm	
I15		I CODE X	15*15mm	18*18mm	5-10cm
I45		I CODE X	45*45mm	50*50mm	
I45B		I CODE X	45*45mm	50*50mm	50-80cm
I7645		I CODE X	76*45mm	86*54mm	50-80cm
I25		I CODE X	round 25mm	round 28mm	
I3722		I CODE X	37*22mm	40*25mm	30-50cm

Model	Antenna pattern	Chip	Antenna size	Product size	Reading distance
N21		Ntag 213	round 21mm	round 25mm	30-50cm
N22		Ntag 213	round 22mm	round 25mm	30-50cm
N7645		Ntag 213	76*45mm	86*54mm	50*80cm
N35		Ntag 213	round 35mm	round 40mm	30-50cm
N3722		Ntag 213	37*22mm	40*25mm	30-50cm
N5215		Ntag 213	52*15mm	55*18mm	50*80cm
N0818		Ntag 213	8*18mm	10*20mm	5-15cm
N15F		Ntag 213	15*15mm	18*18mm	5-15cm
N15Y		Ntag 213	round 15mm	round 18mm	5-15cm

Model	Antenna pattern	Chip	Antenna size	Product size	Reading distance
N2611		Ntag 213	26*11mm	30*15mm	10-20cm

QR code & Serial number



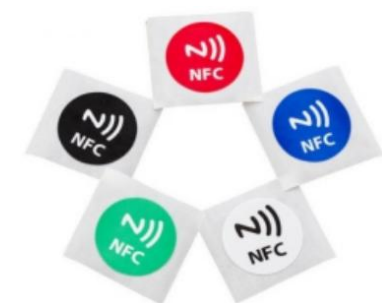
Bar code

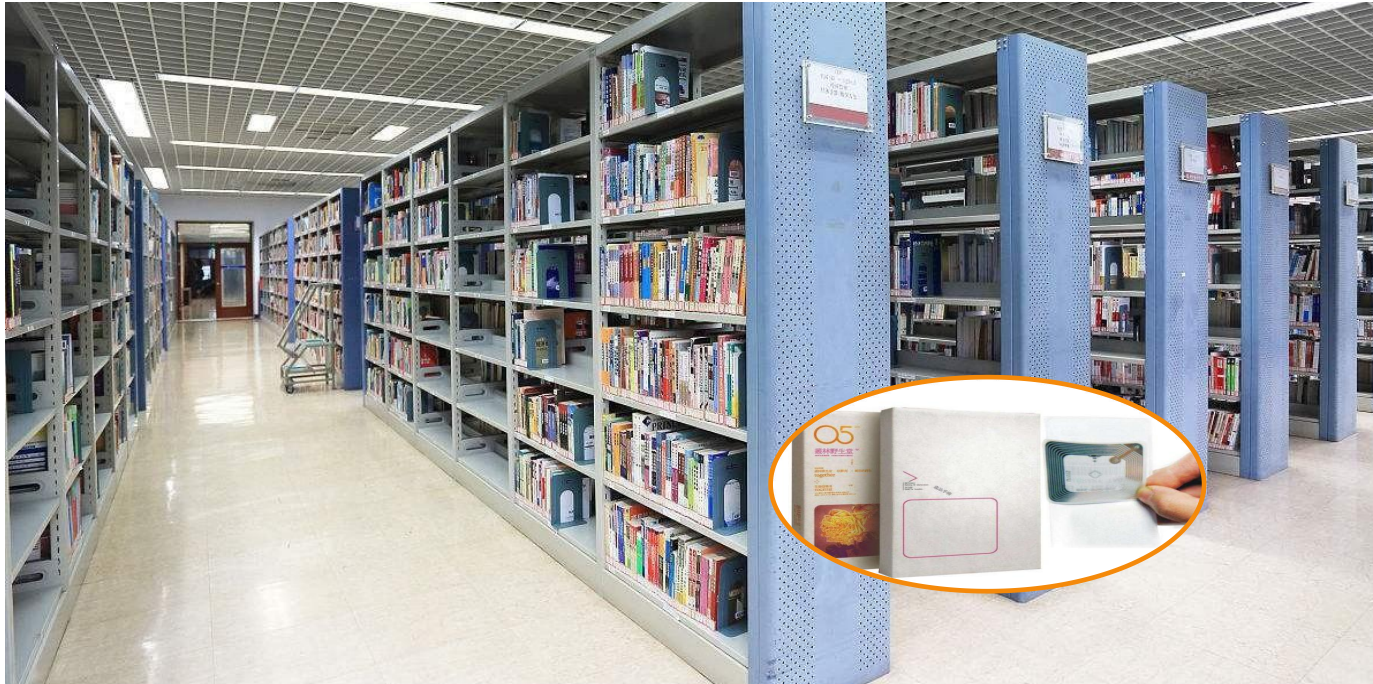
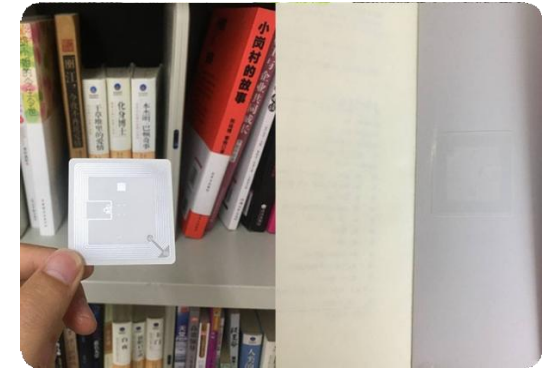


ID number



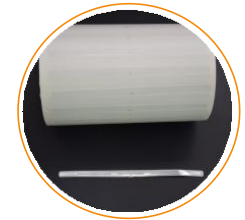
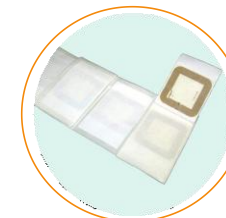
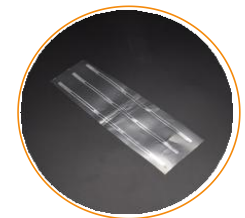
Print





RFID book/archive management system uses radio frequency identification (RFID) technology to paste electronic labels on books and archives. It combines RFID reading and writing devices such as librarian workstations, collection inventory vehicles, self-service loan and return terminals, anti-theft channels, etc., to optimize the research, inventory, positioning, loan return, anti-theft management and other links.

- Chip model: NXP U CODE 7/8/9, Impinj R6/R6A/M4QT/I CODE X/XLS/NTAG213/215/215
- Frequency: 860-960mhz /13.56MHZ
- Protocol: EPC C1 GEN2/ISO 18000-6C/ISO 14443A/ISO 15693
- Material: Aluminum etching, paper
- Reading distance: 1-10 meters/1-10cm (the reading distance is related to the working environment and the reader)
- Data storage time: more than 10 years
- Erasable times: 100,000 times
- Application areas: library inventory, searching, positioning, etc.





The electronic clothing tag is the ID of brand clothing, which can realize the functions of clothing traceability, identification, anti-theft, inventory, rapid storage and so on. The tag is small in size, easy to install and operate, durable, and has good waterproof performance.

It is widely used in various clothing, bags, shoes and other surfaces to achieve the whole process management of controlled targets. Customers can customize tag labels of various shapes and sizes according to their needs.

- Chip model: NXP U CODE 7/8/9, Alien H3/H4, Impinj R6/R6A/M4QT
- Frequency: 860-960mhz
- Protocol: EPC C1 GEN2/ISO 18000-6C
- Size: 73*21mm, 98*12mm , Customizable
- Material: Aluminum etching, copper antenna, pringing antenna, paper
- Application areas: logistics management tracking and inventory of clothing, shoes and hats, warehouses
- Process: Printing QR code, barcode, serial number, UID number, logo etc.
- Reading distance: 0-35 meters (according to working environment and reader)
- Data storage time: more than 10 years
- Erasable times: 100,000 times



- Chip model: NXP U CODE 7/8/9, Impinj R6/R6A/M4QT
- Frequency: 860-960mhz
- Protocol: EPC C1 GEN2/ISO 18000-6C
- Material: aluminum etching, copper antenna
- Application areas: jewelry stores, watch stores, jewelry real-time tracking, etc.
- Reading distance: 1-10 meters
- Process: Printing QR code, barcode, serial number, UID number, logo, etc.
- Reading distance: 1-10 meters (the reading distance is related to the working environment and the reader)
- Data storage time: more than 10 years
- Erasable times: 100,000 times



RFID technology is introduced into jewelry management, RFID labels are attached to precious jewelry products, and the jewelry set on the counter is used to monitor, control and track the labeled jewelry, so as to achieve rapid inventory, real-time tracking and intelligent sales management. The import and export process of jewelry products is tracked and recorded from all directions. The complicated and inefficient manual management and barcode scanning modes have been replaced by the new methods that are automated, accurate and efficient.





Laundry electronic label is a non-toxic, durable and environmentally friendly electronic label designed for printing and dyeing industry, washing industry, medical logistics and other professional fields. It can also be used for other occasions such as high temperature, high humidity, high labor intensity and so on.

- Anti-interference design.
- can be soaked in water, repeated rubbing, It can be ironed directly.
- Near field multi label recognition.

RFID is used to play an important role in clothing identification and management. UHF RFID technology is used to realize the efficient management of rapid collection, sorting, automatic inventory, and collection in the laundry industry, which greatly improves work efficiency and reduces the error rates, and RFID linen management by installing RFID electronic tags, using handhelds, readers and other intelligent mode management to automatically identify each management process, so that clothing linen can be better managed.

The washing label is made of several special materials, which are different from ordinary paper labels in terms of surface materials. It's mainly used in the clothing industry, home textile industry, luggage industry, printing clothing parameters and precautions. It can be washed without coloring.

- Chip model: NXP U CODE 7/8/9, Impinj R6/R6A/M4QT
- Frequency: 860-960mhz
- Protocol: EPC C1 GEN2/ISO 18000-6C
- Material: Aluminum etching, flexible textile
- Application areas: linen management, dry cleaners, etc.
- Reading distance: 1-10 meters (the reading distance is related to the working environment and the reader)
- Data storage time: more than 10 years
- Erasable times: 100,000 times

➤ ANTI-METAL LABEL

ABS anti-metal label is made of high-temperature industrial ABS plastic, metal shielding material, epoxy resin potting and ultrasonic welding. It has the characteristics of sun protection, water resistance, high temperature resistance etc., and is widely used in logistics management. It can realize the informationization and modernization of logistics management, improve the level and efficiency of logistics management, and reduce management costs.

When labels are used on metal substances, metal materials transmit information to labels. How can interference be reduced to the lowest?

- Special absorbing material on the back of RFID label
- Using ceramic material label
- Using RFID anti metal label products
- Chip model: NXP U CODE 7/8/9, Impinj R6/R6A/M4QT
- Frequency: 860-960mhz
- Protocol: EPC C1 GEN2/ISO 18000-6C
- Material: Aluminum etching, paper, ABS
- Application areas: logistics management, packaging bags, luggage, pallets, containers, shelves, equipment, fixed assets, etc.
- Reading distance: 1-10 meters (the reading distance is related to the working environment and the reader)
- Data storage time: more than 10 years
- Erasable times: 100,000 times



➤ LOGISTICS LABEL



RFID tag has the outstanding characteristics of non-contact identification, high-speed moving object recognition, anti-harsh environment, strong confidentiality, and simultaneous identification of multiple identifying objects. RFID have been widely used in many fields, such as industry, commerce, transportation, logistics and so on.

- Chip model: Alien H3/H4, Impinj Monza4/5/R6, NXP U-CODE 7/8
- Frequency: 860-960mhz
- Protocol: EPC C1 GEN2/ISO 18000-6C
- Size: 73*21mm, 98*12mm, Customizable
- Material: Aluminum etching, copper antenna, pringing antenna
- Reading distance: 0-35M

➤ ANTI-COUNTERFEIT TRACEABILITY LABEL

- Chip model: NXP Mifare, Ntag, I-CODE, Fudan chips etc.
- Frequency: 13.56MHz
- Protocol: ISO14443A/ISO15693
- Antenna: Aluminum etching, copper antenna
- Application areas: medical products, warehouse amnagement, logistics cargo tracking, goods sorting, anti-counterfering and traceability, etc.



RFID automatic identification technology, using RFID electronic label as the anti-counterfeit information carrier, is a large-scale information system integrated with RFID technology, computer network technology, digital communication technology, database technology, software engineering technology. The system can be applied to the anti-counterfeiting of high-end liquor, tobacco, skin care products, drugs, tea and other commodities, as well as the anti-counterfeiting traceability of high value-added valuables, such as jewelry.

➤ MEDICINE FIELD LABEL

The radio frequency labels provide drugs that are difficult to replicate. Through the RFID technology, it realizes the anti-counterfeiting management of products, traces the source of products, and realizes the automatic collection of factory data, which greatly accelerates the speed and accuracy of warehouse logistics and reduces management costs.



➤ HIGH TEMPERATURE RESISTANT LABEL

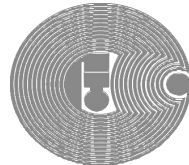
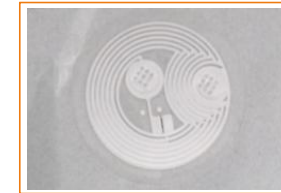
The high and low temperature label refers to the RFID electronic label that can work normally in the environment of -60 degrees to 600 degrees. This type of label is the company's patented product and is made of special materials. When producing it, "triple protection" measures are adopted to better protect the chip, antenna and read/write distance of the product.

- using metal ion and chip antenna full integration technology to enhance the label reverse signal, ensure the reading distance.
- use special mixture material to wrap the chip to protect the label. When used, it will not be affected by moist or high temperature environment.



➤ FRAGILE LABEL

The anti-transfer fragile electronic label is based on a transferable antenna, using its own high precision etching antenna technology - minimum line distance (chip position) $\geq 0.12\text{mm}$ or paper printing antenna technology, which can be designed to produce ultra-small specification label products. Combined with special RFID labels designed and manufactured with special materials and packaging process, the product adopts our unique label anti-tear and fragile patent technology, which is distinguished from ordinary electronic label products. It combines the characteristics of RFID technology and paper anti-counterfeiting label, and truly achieves the effect of "torn and destroy". It's mostly used in tobacco, alcohol, drugs, cosmetics and auto parts.



➤ ANIMALS LABEL

Animal Electronic Identification is a kind of radio frequency identification (RFID), which is used to identify animal properties with information storage and processing capabilities, and identifies built-in integrated circuits (IC chips) for animal information storage, literacy, data communication and exchange.



➤ PLANTS LABEL

RFID technology, a nail-shaped electronic tag with a unique electronic code is used to input the tree age, subject, protection status and other data into the chip, and cooperate with the GPS positioning system to protect the ancient trees more comprehensively.



Our smart RFID card is usually a non-contact smart card. You don't need to put this card into the card reader, just read or touch the RFID card remotely. It will be more useful in today's daily life. Our bus cards, library cards, subway tags or ID cards are now available for smart IC and RFID smart cards. It provides 125 KHz/LF, 13.56 MHz/HF, 860-960 MHz/UHF and even dual frequency (13.56 MHz/125 KHz) or dual frequency (UHF 860-960 MHz/13.56 MHz). We provide full-color customer artwork. The advanced IC in this smart card will make people's lives smarter and more convenient. Widely used in membership cards, hotel cards, access cards, bus cards, schools, etc.

➤ LF CARD

Item	Parameter
Chip	TK4100, HX-4168, EM4305, EM4200, T5577
Size	86*54*0.82mm, 55*27*0.82mm (customizable)
Protocol	ISO7815
Material	PVC, PET, Wooden bamboo, environmentally friendly PVC
Working Frequency	125MHZ
Storage	Reading with integrated chip
Operating Modes	Read - write
Date Retention	10 years
Write Endurance	100,000 cycles
Reading Distance	High frequency: 0-20cm



➤ HF CARD

Item	Parameter
Chip	NXP S50/70, Fudan F08, CPU, Ntag 213/215/216, I CODEX/X2, UID
Size	86*54*0.82mm, 55*27*0.82mm (customizable)
Protocol	ISO14443A, 15693
Material	PVC, PET, Wooden bamboo, environmentally friendly PVC
Working Frequency	13.56MHZ
Storage	Reading with integrated chip
Operating Modes	Read - write
Date Retention	10 years
Write Endurance	100,000 cycles
Reading Distance	High frequency: 0-10cm

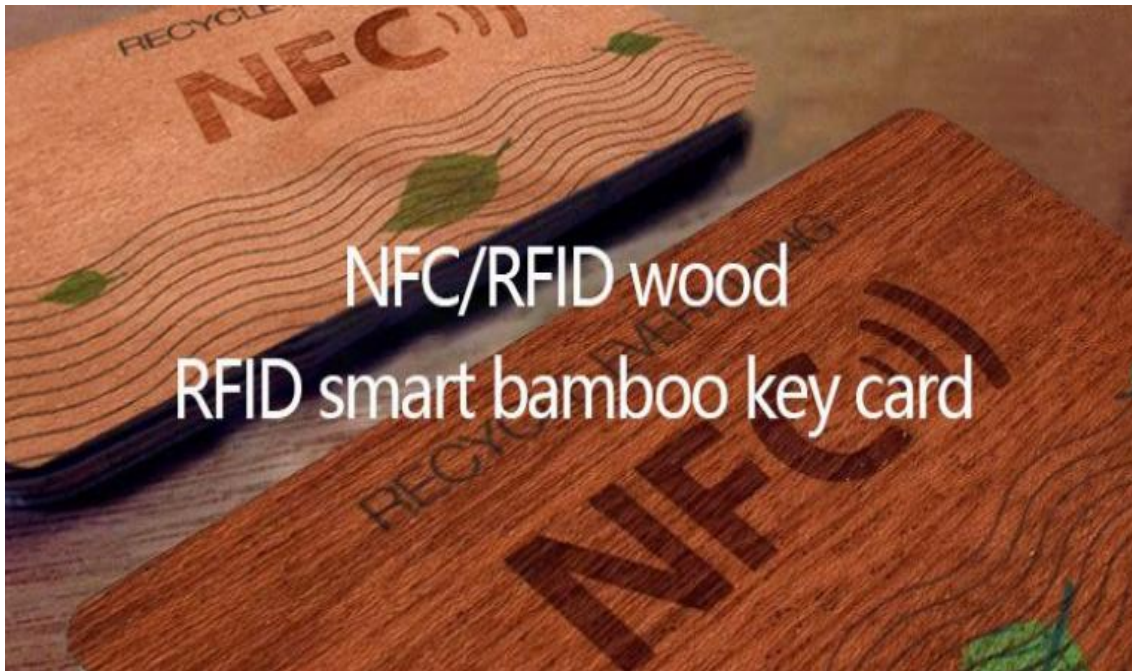


➤ UHF CARD

Item	Parameter
Chip	NXP S50/70, Fudan F08, CPU, Ntag 213/215/216, I CODEX/X2, UID
Size	86*54*0.82mm, 55*27*0.82mm (customizable)
Protocol	ISO14443A, 15693
Material	PVC, PET, Wooden bamboo, environmentally friendly PVC
Working Frequency	13.56MHZ
Storage	Reading with integrated chip
Operating Modes	Read - write
Date Retention	10 years
Write Endurance	100,000 cycles
Reading Distance	High frequency: 0-10cm



➤ NFC/RFID WOOD CARD



The RFID wooden card is made of environmentally friendly logs with a built-in RFID chip. It can be used for a wide range of purposes such as access control, attendance, commemoration, publicity, and promotion. It is exquisite and compact with various shapes, and has the advantages of convenient to carry, convenient to use and low cost. Colors, shapes and logos are customizable.



- Durable

Nowadays, wood is the longest sustainable material among the recognized materials in the world. Secondly, wood processing has low pollution and good environmental coordination. This can be explained by the amount of carbon dioxide emitted during processing. Wood packaging has good environmental protection characteristics. Moreover, Compared with other materials, wood processing consumes the least energy. In addition, wood has pleasant vision, touch, smell and humidity control properties.

- Environmental protection and health

The solid wood material determines its natural properties, allowing humans to come into contact with these card products to have a natural sense of intimacy. Compared with plastic, rubber and metal products, the non-toxic and harmless nature determines that wooden crafts are sufficient to occupy a place in the future.

- High-end atmosphere

Wooden business cards, membership cards, and chip cards have all become the new favorites of successful people in today's society. Today, with the awakening of environmental protection awareness, wooden products have become a fashion.



➤ DUAL FREQUENCY CARD/ COMPOSITE CARD

Our composite card has achieved "one-card multi-purpose", which solves the problem of multiple coexistence of employees. It is performed by a simple combination of any two of the low-frequency card, high-frequency card, and ultra-high frequency card and dual-protocol cards. It's mainly used in banks, schools, government and other institutions.

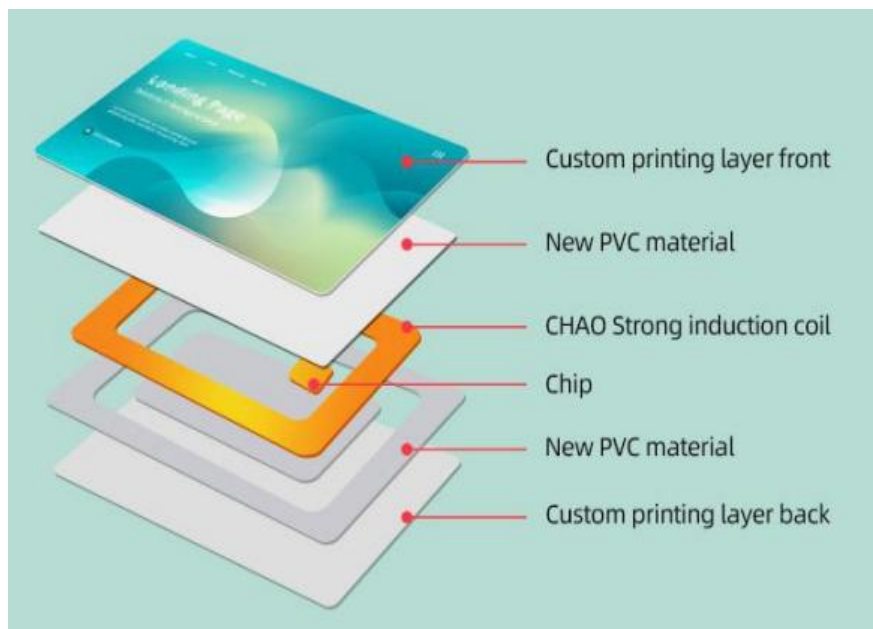
➤ RFID BLOCKING CARD

High-frequency shielding card uses a signal circuit board with shielding technology to shield RFID signals. We put the high-frequency shielding card in the wallet or within 3cm of the position where we want to shield a certain card signal to achieve the effect of shielding the signal. No matter what equipment the criminals use, they will not be able to steal your card information to ensure safe carrying and prevent information leakage.

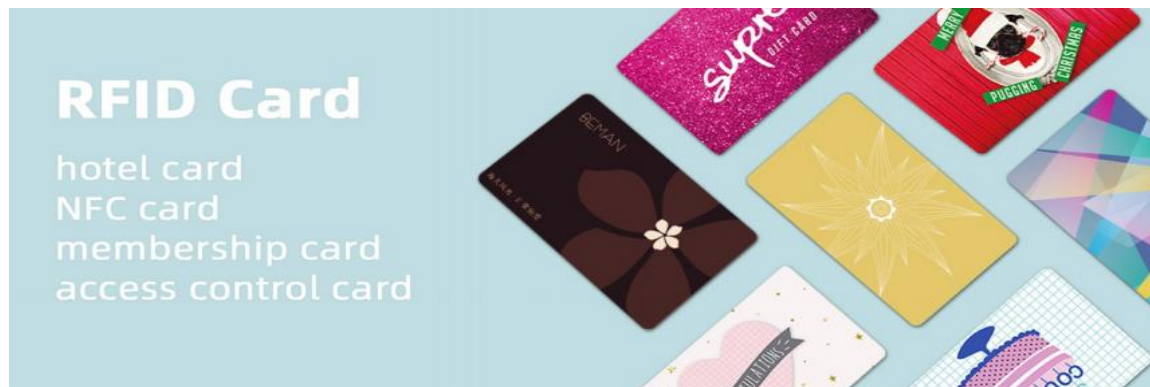
It is widely used in bank cards, ID cards, city cards, bus cards, subway cards, test RFID fields such as attendance cards, corporate all-in-one cards, membership cards, commercial retail cards, insurance medical health cards, school cards, etc.



➤ SMART CARD APPLICATIONS



➤ CRAFT



Our smart cards give a variety of options in surface treatment and applications.

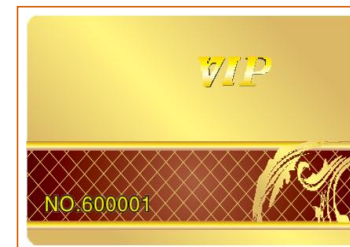
Serial number



QR code



ID Number



Hole Punch



Convex code



Matte



Glossy



UV



Magnetic stripe



Embossed



Hot stamping



Frosted



Barcode



Signature strip





➤ EXPOXY CARD

The epoxy card is also called mini induction card, which has the characteristics of small and beautiful appearance and easy to carry. It can be encapsulated with all kinds of smart chips. The card is made of a variety of printing materials and imported crystal epoxy on surface. The product is dust-proof, waterproof, bubble-free, transparent, glass-like three-dimensional, etc. It's suitable for membership management, reward points, consumption system, one-card payment, product label, school management, community management, access control and attendance, identification, public transportation and so on. Any pattern can be customized.

➤ KEY CHAIN CARD

- Sensing distance: 10-15cm
- Chip: Mifare1(M1), TK4100, T5577, etc.
- Storage capacity: 512 (bits)
- Read and write time: 1-3ms
- Carrier frequency: radio frequency card
- Power supply mode: Passive card
- Packaging material: PVC/ABS/PET
- Erase and write life: 1000000 times



IC CHAIN CARD



ID CHAIN CARD



COMPOUND CHAIN CARD



CPU CHAIN CARD

- Exquisite, beautiful, sturdy, durable, and colorfast
- Waterproof, dustproof and shockproof, anticorrosion
- Convenient to carry
- A variety of styles and colors are available (customizable)
- Pattern silk-screened, code inked, code engraved, etc

The keychain card is encapsulated by a small ABS case with a chip coil and epoxy resin, which is combined by ultrasonic welding. It can be made into various special-shaped cards and can be pattern silk-screened, code inked, code engraved, etc. It's waterproof, dustproof and shockproof.

Applications: Access control, attendance, identity recognition, school management, community management, member management, reward points, consumption systems, etc.

➤ JOJG/ NFC EXPOXY SOCIAL SHARING



- Website URL access
- Text file sharing
- Bluetooth device pairing
- Specific application launch
- Network credentials connection
- Smart home automation trigger
- Phone settings (alarm clock, ringtone, etc.) on/off
- SMS sending

➤ RFID COIN CARD

The coin card is made of white/transparent PVC/PET material to encapsulate radio frequency chips and coils. The non-contact radio frequency circular cards can be made with various diameters and thicknesses.

The RFID coin card can be easily installed on workpieces in factories and logistics. It can be used as an RFID electronic part, installed in the workpiece products or other objects in factories and logistics, and play a role of wireless identification.

The coin cards can be installed on pallets, boxes, shelves, products, equipments and so on. The epoxy process to the product is a great choice for harsh environments at warehouse or factory, etc. It's corrosion resistant to liquids like oil. Also, an anti-metal layer or back epoxy can be added if required.

They are widely used in warehouse management, property tracking, factory automation tracking, product identification, game chips, access control, logistics tracking, conference check-in, biometrics, item identification, one-way ticket card, patrol management, etc.



➤ MOBILE PHONE STICKER

- The sticker makes your life easier.
- No need take out your phone from your bags
- Fast reading
- Easy to carry
- Easy to use
- It can be applied to access card, credit card, elevator card, attendance card, garage swipe card, etc.



➤ PORTRAIT CARD, VISITING CARD

The portrait card is a personal information card made by advanced digital printing technology, which is directly prints the image, name, number, picture, barcode and other information on the PVC card . It can be used as a various work cards, access cards, membership cards, VIP cards, IC Cards, ID cards, color credit cards, pass card and so on. Visiting cards are used for identification, school management, school visits, business visits, membership management, exhibitions, conferences, activities and other applications.



➤ NON-STANDARD CARD

Generally speaking, cards with irregular shapes are called non-standard cards. It can be made into rectangles, squares, triangles, ellipses and all geometric shapes, as well as animal shapes, doll shapes or other special shapes. Non-standard cards are widely used in exhibitions, squares, conferences, clothing, catering, food licensing and other industries. Chips and shapes are customizable.



We provide RFID-related hardware devices such as desktop readers, handheld erminals, multi_x0002_channel readers, access control, printers, etc. They are used in combination with industry management and RFID consumables to achieve functions in different applications. They are widely used in different industries such as transportation, banking, medical care, military, schools, etc.



➤ CARD READER

The HF reader is used for short-distance communication. It is completely applicable to NFC tags. The device is based on international standards: ISO/IEC144433 for short-distance communication of tags up to 10cm, and ISO/IEC 15693 supporting communication with NFC Forum Category 5 tags within a distance of 1-2 meters. ST is one of the pioneers of RFID and NFC technology, and actively participates in the affairs of the NFC Forum to bring NFC-V technology to the market. The ST25R39 NFC initiator/HF reader integration has excellent radio frequency stability and the active antenna device can ensure the energy efficiency of product, which is a key feature of battery_x0002_powered equipment.

- Operating temperature: -20°C~ +70°C
- Storage temperature: -20°C~ +80°C
- Operating temperature: < 95% (+ 25 C)
- Product Size: 115mm*70mm (tolerance ±3mm)
- Status indication: buzzer and light, card reading is successful, beep prompt, flashing green light
- Special performane: support estimated online upgrade

Item	Parameter			
Frequency band	13.56MHz			
Support agreement	ISO14443A	ISO14443B	ISO	ISO
Contactless card	MIFARE one S50	SR	ICODE SLI	NTAG203
	Mifare one S70	SR	ICODE SLI-X	NTAG213
	Mifare Ultralight	SR1X4K	ICODE SLI-X 2	NTAG215
	Mifare Plus	CPU CARD	ICODE SLI-S	NTAG216
	CPU CARD/Mifare DESFire/FM11R/FM1208			
Power supply	DC5V USB port power supply			
Working current	100mA			
Effective distance	0-8cm (depending on the card size and use environment)			
Card reading time	< 100ms (operation within effective distance)			
Card reading speed	0.2S			
Reading distance	0.5S			
Communication Interface	USB			

Item	Parameter
Size	5.7 inches HD (720X1440)
Resolution	1920X1080
Weight	654g
IP grade	IP65
CPU	Processor octa-core Cortex-A53, 1.4GHz
operating system	Android 9.0
RAM	RAM: 2GB ROM: 16GB
Internet connection	RAM: 4GB ROM: 64GB (optional)
Battery	2G, 3G, 4G, WIFI, Bluetooth
RFID	3.7V, 5200mAh, 3.85V 9000mAh rechargeable lithium battery (typical value)
GPS	UHF
Camera	Support
Working frequency	13 million pixel camera, auto focus (flash)
Protocol	902~928MHz or 865~868MHz (can be adjusted according to the requirements of different countries or regions)
Working distance	Standard EPCC1G2 (ISO18000-6C)
Reading distance	The reading distance is 15M, and the distance is related to the label
Wireless type	200 tags per second
Operating temperature	Circular polarization antenna
Storage temperature	-20°C~50°C
Relative	-20°C~70°C

➤ HNAADHELD



This is a handheld device with specific functions. The device with RFID read/write function is able to read RFID tags and use radio frequency identification technology for data collection. It has the advantages of remote non-contact reading, fast group reading, and large storage capacity. The frequency bands of RFID handheld device can be divided into low frequency (LF), high frequency (HF) and ultra-high frequency (UHF).

This is a 125KHZ RFID card reader with USB port, driver-free, plug-and-play, no additional programming needed, and keyboard-like output function. It is a high-tech product developed for business fields such as self-service transactions, access control, employee attendance, etc.

Item	Parameter
Size	142mmX85mmX20mm
Weight	0.2kg
Shell material	ABS
Antenna	Built-in
Working frequency	902~928MHz 865~868MHz
Supporting agreement	EPCC1 Gen2 ISO18000-6C
RF power	0~18dBm
Reading distance	0~60cm 0~30cm (optional)
Write distance	0-30CM
Communication Interface	USB
Analog keyboard output	support
Power supply	USB powered
Operating temperature	-20°C ~ 55°C
Storage temperature	-30°C ~ 80°C

➤ CX-6210





➤ CX-8280

Item	Parameter
Working frequency	902-928MHz (US), 865-868MHz (EU)
Protocol	EPCC1 Gen2, ISO18000-6C
Size	220*220*60mm
Weight	About 2kg
Shell material	ABS and aluminum alloy
RF power	0~30dBm (Software adjustable)
Reading distance	Stable 0-6m (depend on antenna and environment)
Antenna gain	8dBi circular polarization
SDK	Demo and C++, C#, JAVA, Android
I/O interface	1 trigger input and 2 relay outputs (customized)



➤ CX-928

Item	Parameter
Protocol	EPCC1 Gen2, ISO18000-6C
Size	246*160*30mm
Weight	About 2kg
Shell material	Aluminum alloy
RF power	0~30dBm (Software adjustable)
Reading distance	Up to 30m (depend on antenna and environment)
Read Rate	>300, times/second
RF interface	4 TNC female connector
Label detection	Support RSSI value detection
SDK	Demo and C#, JAVA, Android

Item		Parameter
Model#		CX-7100
Frequency		902-928MHz or 865-868Mhz
Frequency modulation method		Broad spectrum frequency modulation (FHSS) or fixed frequency, software settings
RF output		20-26dBm adjustable; 50 ohm load
Built-in antenna		Dual feed 40x40 ceramic antenna
Antenna		3dBi
Communication port		RS232/ RS485/ TCP/ IP or Modbus RTU/ Modbus TCP
Communication rate		Rate 9600 ~115200bps
Reliable firmware upgrade		Scalable upgrade mechanism
SDK		C#, Java, Android
Working status display mode		LED indicator (blue, red), buzzer
Rewrite and Read	Reading distance	0-3M
	Writing distance	0-30CM
	Protocol	EPC global UHF Class 1 Gen 2/ ISO 18000-6C
	Max receiving sensitivity	-65 dBm
Performance	Size	95*95*40mm
	Equipment power supply	Industrial grade wide voltage design, 9-36V DC
	LED indicator	Blue: card reading indicator; red: power indicator
	Weight	450g
	Protection level	IP66
	Connector form	Round waterproof M5 pin socket connector
	Connector pin definition	1. GND; 2. TXD; 3. RXD; 4. DC; 5. GND
	Operating temperature	-20°C ~60°C
	Storage temperature	-20 °C~85 °C
	Working humidity	5%~95%RH, Non-condensing

➤ CX-7100



➤ CX-0258

Item	Parameter
Model#	CX-0258
Frequency	902MHz~928MHz
Voltage standing wave ratio	≤1.3:1
Gain	> 9dBi
H side HPBW	70°
E side HPBW	70°
Relative humidity	5%~95%
Input resistance	50Ω
Connector type	N-50KFD (N-type external thread female head) (two input ports)
Size	258mm*258mm*36mm
weight	0.91kg
Material	ABS



CENTRAL HONG KONG, SHENZHEN CHINA



www.tacboom.com



HK: +852 5311 2942 CN: +86 183 1903 8383



+852 3520 2067



christina@tacboom.com



+86 183 1903 8383



+86 183 1903 8383



chrstina1360



38722418



christina2555@hotmail.com



ChristinaD15924



christina2555@hotmail.com



christina2555



To be completed



To be completed



To be completed



LIVING WELL INDUSTRIAL CO., LTD
力贏威實業有限公司