Access Control Application

Access Control Application

Specifications:
Material: PVC, PET, ABS, PETG
Size: CR 80- ISO 86mm*54mm, or customized size
Thickness: 0.8+-0.04mm or customized thickness
Frequency: 125khz/13.56mhz, 860-960mhz
Printing/Color: CMYK 4C offset printing, single or full color on both sides. Pan tone colors or
   silk-screen printing colors.
Craft:
Finish: Glossy, matt, frosted
Magnetic stipe: 3 tracks magnetic stipe, LOCO 300 oe; HICO 2750 oe,
encoding for magnetic stripe
Barcode: Code 128, Code 39, EAN-13 etc.
Hole punched, hot stamping gold/silver color,signature panel, embossing number, UV serial numbers,
UID chip number printing etc.

Application:
Access control, parking, shopping, time attendance, loyalty program, etc.

Specifications:
Material: PET, ABS, PETG,PVC
Size: 86mm*54mm, or customized size
Thickness: 0.8+-0.04mm or customized thickness
Frequency: 13.56mhz or 860-960mhz or both
Temperature: -10℃-+70℃
Printing/Color: CMYK 4C offset printing, single
or full color on both sides. And also pan tone
colors or silk-screen printing color

Craft:
Finish: Glossy, matt, frosted
Bar code: Code 128, Code 39, EAN-13 etc.
Hole punched, hot stamping gold/silver color,
signature panel, embossing number, UV serial
numbers, UID chip number printing etc.
Application:
Prepaid card, dinning, beauty salons, insurance,
shopping.

≫ Access Control Application

■ 1.3 Epoxy Tag

Specifications:
Material: PVC coated with epoxy
Size: Φ40mm or customized size
Thickness: 2.5mm+-0.05mm or customized thickness
Frequency: 125khz, 13.56mhz
Working temperature: -25-55℃
Features: durable, waterproof, abrasion resistant, anti-corresive etc.

Application:
Access control, public transportation, membership card etc.

■ 1.4 Key Fob
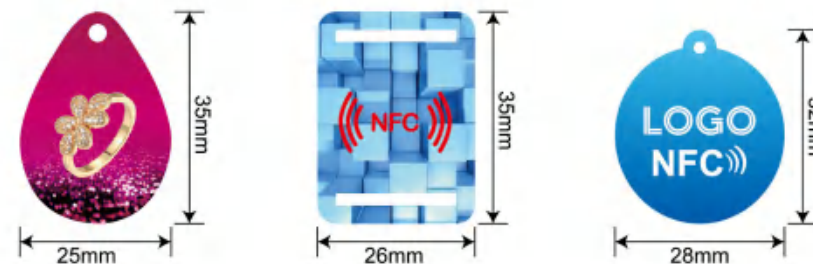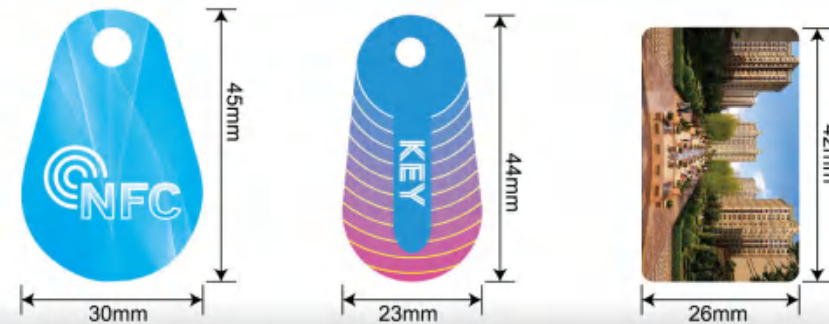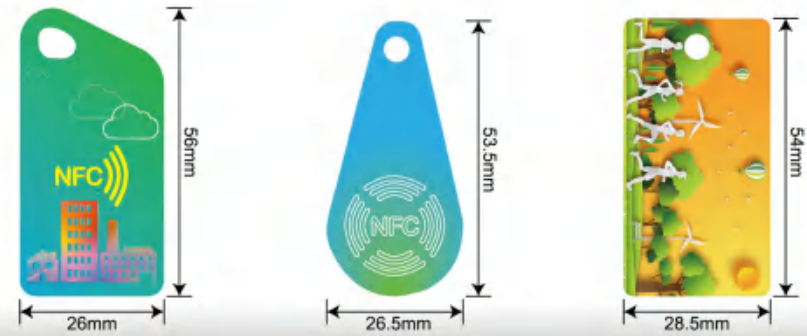
Specifications:
Material: ABS
Size: 41*32*4.1mm or customized size
Frequency: 125khz, 13.56mhz
Color: blue, yellow, red, green, black, white, gray, etc.

Application:
Access control, public transportation, membership card, attendance, parking etc.

Customized NFC Tag ≪

56mm 26mm

53.5mm 26.5mm

54mm 28.5mm

45mm 30mm

44mm 23mm

42mm 26mm

35mm 25mm

35mm 26mm

32mm 28mm

》 Access Control Application

Payment Application 《

■ 1.5 Silicone Wristband

Specifications:

Material: silicon rubber
Size: Fixed or adjustable
Frequency: 125khz, 13.56mhz, 860Mhz-960Mhz
Working temperature: -40℃ to 120℃
Color: blue, green or customized color, etc.

Application: SPA, hotel, swimming pool, sports timing, access control, sauna, cruise etc.

■ 1.6 Tyvek Wristband

Specifications:

1) Material: Tyvek
2) Size: Fixed or adjustable
3) Frequency: 125khz, 13.56Mhz
4) Working temperature: -10℃ to 50℃
5) Color: blue, green or customized color, etc.

Application: Gym, swimming pool, spa hotels, ticketing, access control, concerts, events, hospital etc.

2.1 NFC Card ■

2.2 VIP Card ■

2.3 Loyalty Card ■

Payment Card Specification :

Material : PVC/PET/ABS/PETG
Size :85.6X54mm or customized
Frequency:13.56Mhz
Printing :offset printing,digital printing, silk screen printing

Application :

Mobile payment, NFC payment, gift, oil serving card, shopping card, VIP card, loyatly program ,peer to peer information exchange,etc.

Popular chip :

NTAG213/215/216
MIFARE ® Classic 1K /4K
MIFARE ® Plus S/X/EV1 2K/4K
MIFARE ® Plus SE
MIFARE ® DESFire EV1/EV2
MIFARE ® Ultralight C
MIFARE Ultralight ® EV1
ST25TV02K
ST25TV512
ST25TA 16K / 64K

≫ Payment Application

■ 2.4 Prepaid Card

FM4428
1234 5678 9999 1234
NAME SURNAME
VALID FROM 05 / 11   VALID THRU 03 / 16

■ 2.5 PVC Wristband

LOGO NFC))
33mm
26mm

NFC))
22mm
42mm

35mm
26mm

REGU DAY F R

SUNLANRFID

Public Transit Application ≪

3.1 Transit Card– Metro ■

SUNLANRFID
Tarjeta inteligente sin contacto

SUNLANRFID
Tarjeta inteligente sin contacto

SUNLANRFID

Specifications:
Material: PVC/PET/PETG/ Paper
Size: 85.6*54mm
Thickness: ISO 0.76+/-0.04mm; Ultra-Thin: 0.5+/-0.04mm
Printing: Offset printing , Silk-screen printing
Popular Chip: MIFARE Classic EV1 1K/4K; DESFire EV1/
EV2 2K/4K/8K; Utralight EV1, Ultraligth C etc.

Public Transit Application

3.2 Ultra Thin Transit Card−Paper Material

Transit Card- Metro
Material : PVC/PET/PETG/Paper
Size: 85.6*54mm
Standard Thickness: 0.76+/-0.04mm;
Ultra-Thin : 0.5+/-0.04mm
Printing: Offset Printing, Silk-screen Printing;
Popular Chip: MIFARE Classic EV1 1K/4k,
DESFire EV1/EV2 2K,4K, 8K,PLUS SE 1K,
PLUS X/S 2K/4K,

3.3 ABS/PC Token

Token-Metro
Material: ABS/PC/PPS
Size: Customize
Thickness : 2-3mm, or Customize
Craft: Injection Model or Ultrasonic

Popular Chip: MIFARE Classic EV1 1K, Ultralight C,
Ultralight EV1, etc.

NEW

Satin Surface

IN 2017

Blocking Card

SHIELD PROOF

Embossing Craft

LED CARD

LED Smart Card

■ **Various size to be customized**

4.3 Non- Woven Fabric ■

4.1 Hang Tag ■ ■ **4.2 Blank white Sticker**
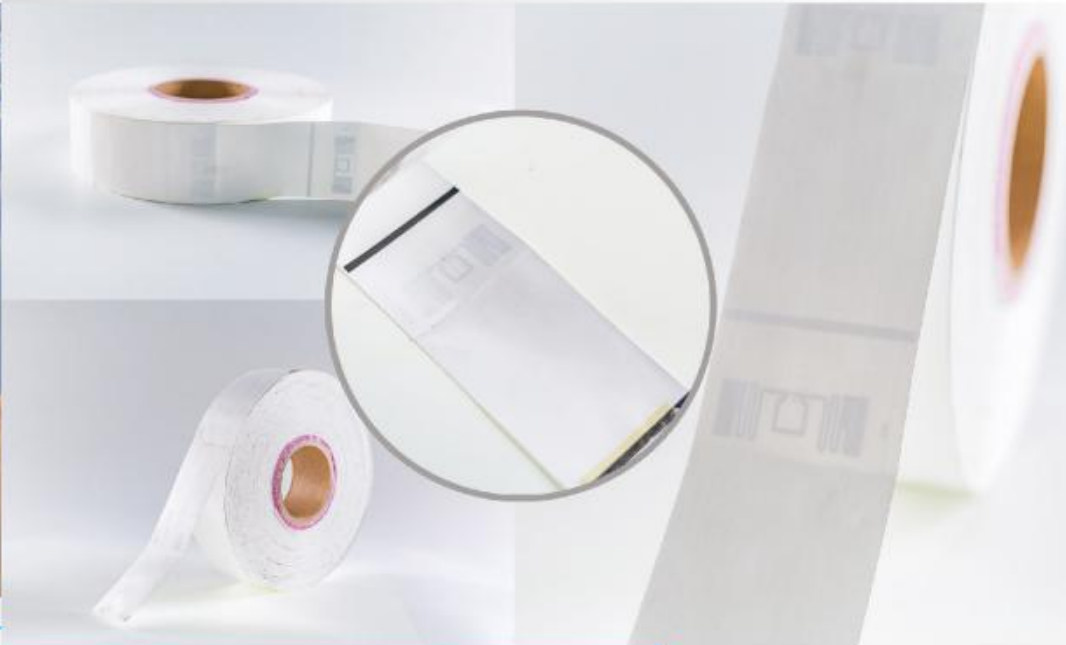
Hang Tag

Skillfully manufactured with various materials and with the latest printing technology.
Accurate printing level and perfect management to every delivery
Automatic speedy production line for implementing string RFID hang tag

RFID Garment Management Label

Advantage:
In Factory:

Streamlining all aspects of merchandise tracking,eliminating

labor-intensive manual tasks (solid hand-count)

In Retails:

Accurately identify and register hundreds of items and data instantly

to achieve the real-time inventory visibility, improve operational

management, optimize stock movements and purchases. improve

customer satisfaction.

≫ Library Application

■ 5.1 13.56MHz I CODE SLIX Library Label
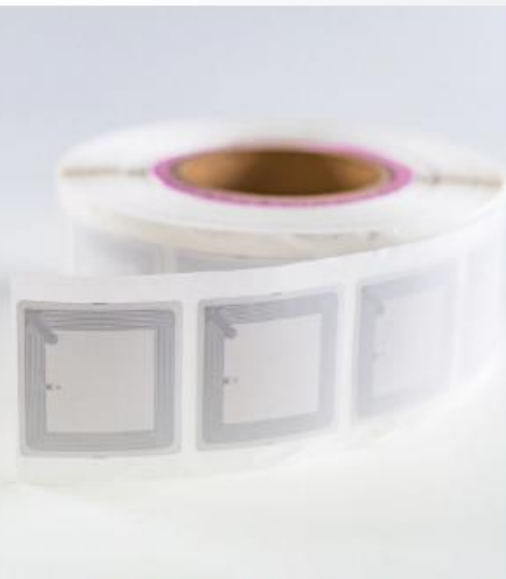
HF 13.56mhz library label

Specifications:

Material: coated paper/ thermal paper/ PET/ PP
Size: Customized upon your demands
Frequency: 13.56MHZ
Available chips: I CODE SLIX; FUDAN FM13HF02N-TS
Read range: 0.1-1 meter

Applications: Asset management, bookstore management, library management.

■ 5.2 UHF Impinj Monza R6 Library label

UHF library label

Specifications:

Material: coated paper/ thermal paper/ PET/ PP
Size: Customized upon your demands
Frequency: 860-960mhz
Available chips: Impinj Monza R6
Read range: 0.1-1 meter
Antenna size: 3*95mm

Applications: Asset management, audio and video product management, anti-theft management, bookstore management

Retail Application ≪

6.1 Jewelry Label ■

Specifications:

Size:68*26mm,Customized
Material:PVC,PET,Coated Paper,etc
Frequency:UHF ,HF
Application:Asset managment, inventory control!

■ 6.2 Anti−Liquid Label

Specifications:

Finished Size:58.5*21mm,Customized
Inlay Size:18*35mm,Customized
Frequency:UHF
Material:PVC,PET,Coated Paper,etc
Data expiration date: 100, 000 times read and write
Antenna material: Etched aluminum
Read distance : ≥ 1.0m
Product features: inventory or read and write
Label assignment: support a variety of data structures inside and outside the combination of encoding (synchronous or offline coding); Support for personalized key encoding
Application:Asset Managment,Inventory Control, Liquid packaging, settlement desk, automatic container sales, intelligent logistics, anti-counterfeiting traceability, unmanned retail and other areas

■ 6.3 Tamper proof Label :NTAG213 TT
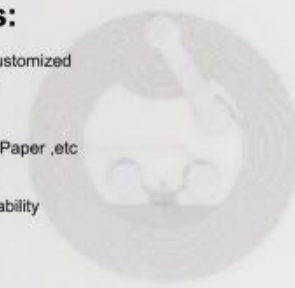
Specifications:

Finished Size:24x51mm,customized
Inlay Size:21.05x45.68mm
Chip:Ntag213 TT
Material:PET,PVC,Coated Paper ,etc
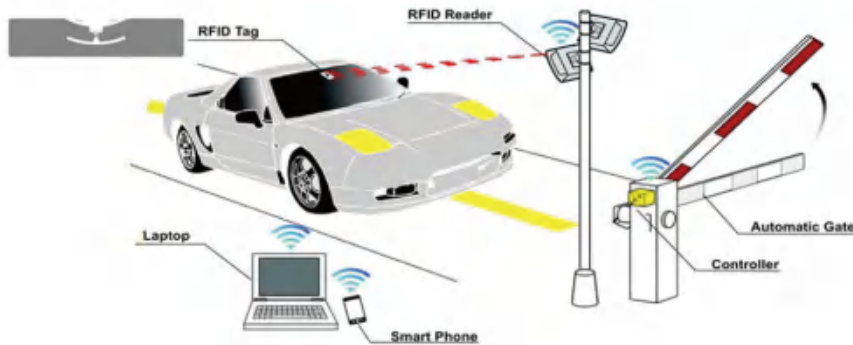Frequency:HF
Application:Security Traceability

⟫ Wind Shield for Toll Application

Logistics/ Warehouse ⟪

■ **7.1 Wind Shield Sticker HF/ UHF** ────────────────────── **8.1 Inventory** ■

LOGISTICS/ WAREHOUSE

1. Streamline warehouse operations: Warehouse staff can receive and manage stock with a reader, save time, and be more productive.
2. Orders & fulfillment:Keep track of orders, stock transfers, fulfillments and more across multiple warehouses globally.
3. Flexible order routing:Manage a global business easily. Create custom fulfillment workflows using powerful order routing functionality.
4. Reporting & analytics: Accurate real time insights into stock movement.

────────────────────── **8.2 Asset Tracking** ■

Electronic Toll Collection
Electronic Toll Collection

ETC

Specifications:
Surface Material:Coated Paper/Bright White PET
Frequency:860-960Mhz
Chip Type:Alien Higgs-3
Protocol:EPC C1G2(ISO 18000-6C)
Read distance:6-10m
Installation:3M Adhesive
Customization:Printing,Encoding,Desig

Application:Automatic Toll Collection/Parking Management/Vehicle Access Control

Specifications:
Frequency: 860-960 MHZ
Chip type： UCODE7 UCODE8 ALIEN H3
Communication: EPC C1G2/ISO18000-6C
Read range: 1-10m
Packaging technology: Bonding+Converting
Surface material: Coated paper/Bright white PET/PP
synthetic paper/Thermal paper/PVC
Working temperature: -40°C~+85°C

Application: Warehousing logistics management/ Unmanned retail/Clothing management/Library management/Archives management/Jewelry manament/Vehicle management/Pharmacy management.

LARGE AREA

THIN THICKNESS

FLAT SURFACE

Typical Aplication
E-payment, E-Commeroe
industrial and commercial tax,
Banking, finance

6x8 HF

4x8 UHF & LF

6x12 HF
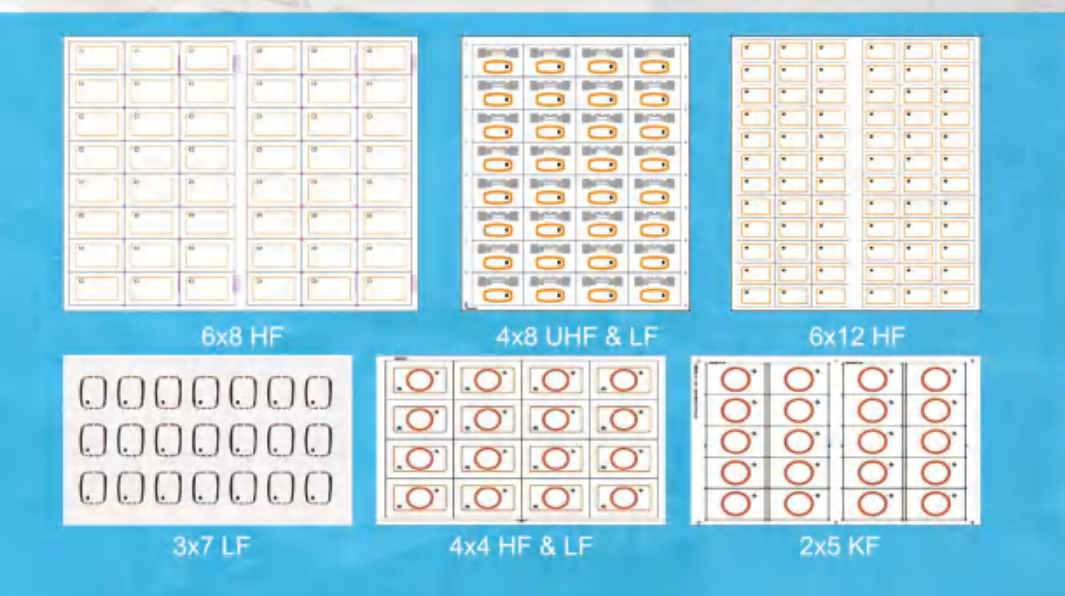
3x7 LF

4x4 HF & LF

2x5 KF
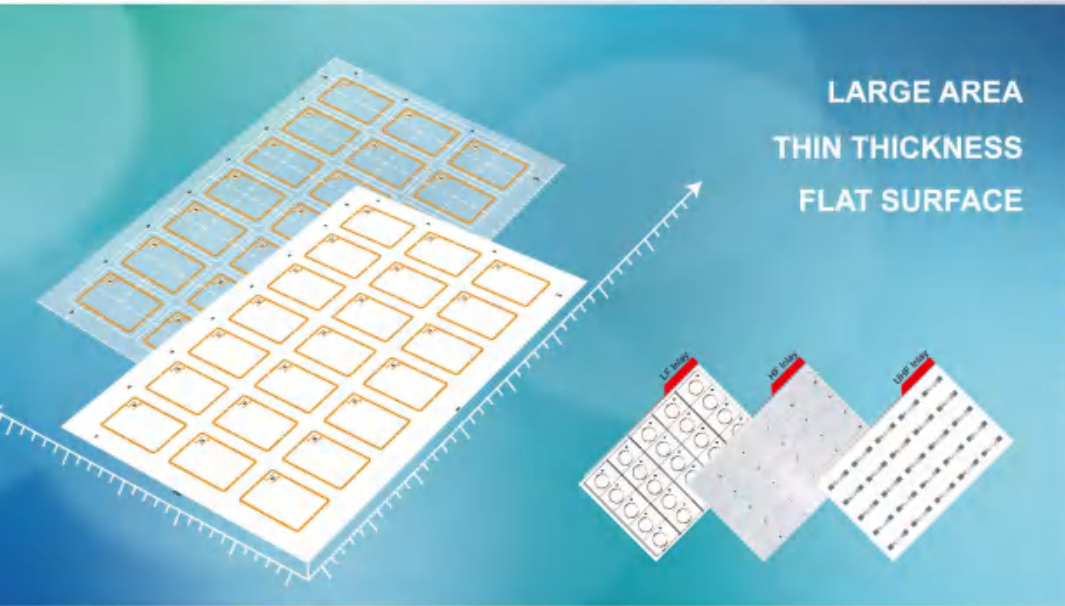
Product details - S3

S3 smart card Reader brings together sophisticated technology and modern design to meet rigorous standards. S3 can last for 100,000 card insertion cycles.It is fully compliant with PC/SC and CCID specifications, and supports various operating systems such as Windows, Linux and Mac.

It also offers an optional built-in Security Access Module (SAM) slot that supports various high security applications according to requirements.

With its sleek, stylish design and powerful core, the S3 is the ideal peripheral for your smart card applications.

Product detail - S9

S9 is a dual interface smart card reader that can access any contact and contactless smart cards following the ISO 7816 and ISO 14443 standards.S9 reader integrates conventionally separate and independent applications for contact and contactless technologies into one device. It can be used for payment systems,electronic identification,access control, software locking,loyalty program ,stored value,identification, ticketing,parking and toll collection,online gaming, automatic fare collection, physical access control,etc.

S9 reader is a highly cost-effective, powerful and all-in-one device that offers convenience and flexibility to many smart card applications.

Support Protocol (Optional) :
ISO 14443 TYPE A /B,ISO15693, and Contact Card;

Typical Application
Industrial and commercial tax, tele, post service, banking, insurance
Secure control, insurance(health care, vehicle insurance)
access control, membershipment system, canteen, parking

Product details - E7

E7 RFID reader with 2 lines LCD display screens, supports Dual interface card compliance to ISO14443A/B and ISO7816.
Support Chip (Optional)
ISO 14443 TYPE A /ISO7816
PHILIPS:MIFARE Classic(s50\s70), MIFARE Pro \ MIFARE \ DESFire \ MIFARE Ultralight \ MF1ICS50 \ FM1108 \ MF1ICS70 \ contactless CPU card;
SIEMENS: SLE4442\5542\SLE4418/4428\SLE4404\SLE4406, and other compatible memory cards.
CPU Card compliance to ISO7816, T=0, T=1.
E7 RFID reader mainly used in payment application such as E-payment, e-Government, e-Banking-Healthcare, E-commerce transportation, Loyalty Program.

» Customization

Security	**Magnetic Strip**	**Embossing Surface**
Barcode	**Punched Card**	**Golden/Silver Flash Surface**
Scratch Panel	**Signature Panel**	**Satin Surface**
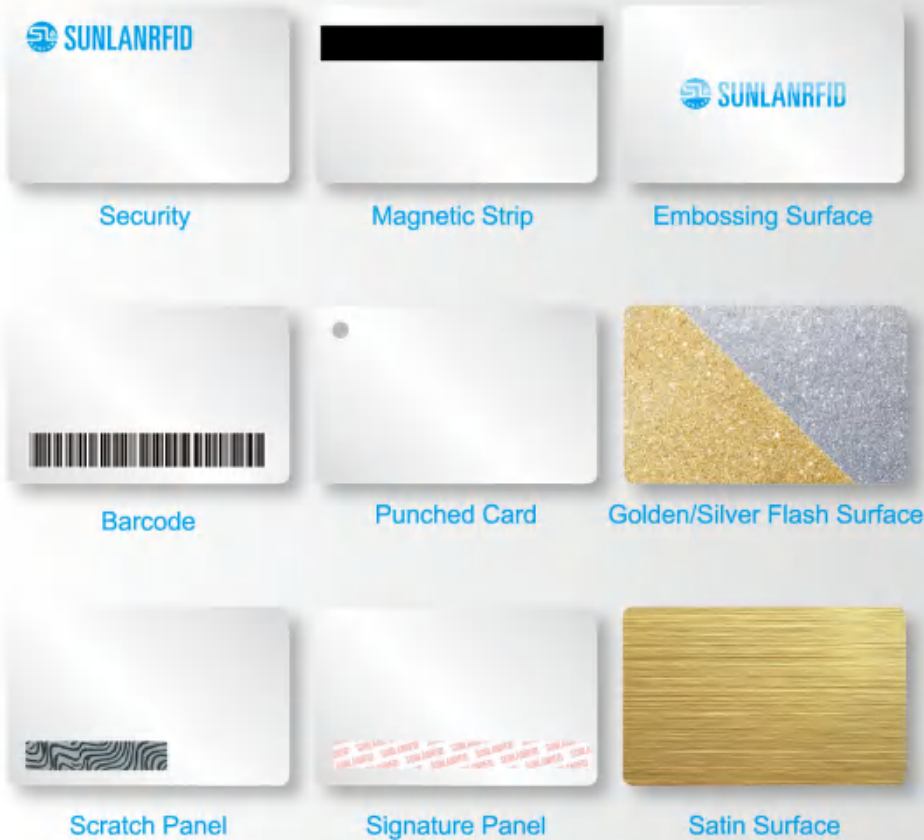
Thermal Printing-Black → 0123456789
Thermal Printing-Brown → 0123456789
Thermal Printing-Sliver → 0123456789
Laser number-Orange → 0123456789

→ QR Code-black DOD UV Printing

0123456789 → Inkjet printing

123 456 791 61 → Embossed number

SUNLANRFID Chip List (part)

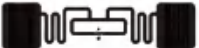| Brand name	Chip Type	Protocol	Capacity	Frequency	Function
NXP	Hitag 1	ISO11784/85	2K Bit	125KHz	Read/Write
	Hitag 2	ISO11784/85	256 Bit	125KHz	Read/Write
	Hitag S256	ISO11784/85	256 Bit	125KHz	Read/Write
	Hitag S2048	ISO11784/85	2K Bit	125KHz	Read/Write
	NTAG213	ISO/IEC 14443 Type A	144/180 Byte	13.56MHz	Read/Write
	NTAG215/NTAG216	ISO/IEC 14443 Type A	540/924 Byte	13.56MHz	Read/Write
	NTAG413 DNA	ISO/IEC 14443 Type A	160Byte	13.56MHz	Read/Write
	NTAG 424 DNA	ISO/IEC 14443 Type A	416Byte , include 128 security data file	13.56MHz	Read/Write
	NTAG 424 DNA TT	ISO/IEC 14443 Type A		13.56MHz	Read/Write
	MIFARE® Classic 1K	ISO/IEC 14443 Type A	1K Byte	13.56MHz	Read/Write
	MIFARE® Classic 4K	ISO/IEC 14443 Type A	4K Byte	13.56MHz	Read/Write
	MIFARE® Plus S/X/EV1 2K/4K	ISO/IEC 14443 Type A	2K/4K Byte	13.56MHz	Read/Write
	MIFARE® Plus SE	ISO/IEC 14443 Type A	1K Byte	13.56MHz	Read/Write
	MIFARE® DESFire EV1	ISO/IEC 14443 Type A	2KB/4KB/8KB/256	13.56MHz	Read/Write
	MIFARE® DESFire EV2	ISO/IEC 14443 Type A	2K/4K/8K Byte	13.56MHz	Read/Write
	MIFARE® DESFire Light	ISO/IEC 14443 Type A	1 K Byte	13.56MHz	Read/Write
	MIFARE Ultralight C	ISO/IEC 14443 Type A	192 Byte	13.56MHz	Read/Write
	MIFARE Ultralight® EV1	ISO/IEC 14443 Type A	USER 384 EEOPOM 640	13.56MHz	Read/Write
	MIFARE Ultralight®	ISO/IEC 14443 Type A	EEPROM 512 USER 384	13.56MHz	Read/Write
	MIFARE Ultralight Nano	ISO/IEC 14443 Type A	40 Bit	13.56MHz	Read/Write
	ICODE SLI-L	ISO/IEC 15690	512 Bit	13.56MHz	Read/Write
	ICODE SLI-S	ISO/IEC 15691	2048 Bit 2K	13.56MHz	Read/Write
	ICODE SLIX	ISO/IEC 15692	1024 Bit 1K	13.56MHz	Read/Write
	I CODE SLI	ISO/IEC 15693	1024 Bit 1K	13.56MHz	Read/Write
	UCODE EPC G2	EPC Class 1 Gen2	512 Bit	860-960MHz	Read/Write
Fudan	FM11RF08	ISO/IEC 14443 Type A	1K byte	13.56MHz	Read/Write
	FM11RF32	ISO/IEC 14443 Type A	4K Byte	13.56MHz	Read/Write
	FM1208	ISO/IEC 14443 Type A	8K Byte	13.56MHz	Read/Write
	FM4442	ISO 7816	256 byte	..	..
	FM4428	ISO 7816	1K byte	..	..
	FM5528	ISO 7816	1K byte	..	..
	TK4100	ISO 7816	64 Bit	125KHz	Read
EM-Marin	EM4423	ISO/IEC 15693 + ISO/IEC		13.56MHz+860	Read/Write
	EM4205 / EM4305	ISO 11784 Compatible	512 bit	125KHz	Read/Write
	EM4200	ISO 11784 Compatible	64 bit	125KHz	Read
	EM4450 / EM4550	EM4550 with Gold Bumps	1K bit	125KHz	Read/Write
Atmel	ATA5577	ISO 11784 Compatible	363 bit	125KHz	Read/Write
Impinj	Monza 4	ISO/IEC18000-6C	User Memory 32-512	860-960MHz	Read/Write
	Monza 5	ISO/IEC18000-6C	128 Bit	860-960MHz	Read/Write

SUNLANRFID Chip List (part)

Brand name	Chip Type	Protocol	Capacity	Frequency	Function
Alien	ALN-9662 H3	ISO/IEC18000-6C	95/512bit	860-960MHz	Read/Write
	ALN-9640 H3	ISO/IEC18000-6C		860-960MHz	Read/Write
	ALN-9630 H3	ISO/IEC18000-6C		860-960MHz	Read/Write
	ALN-9610 H3	ISO/IEC18000-6C		860-960MHz	Read/Write
	ALN-9654 H3	ISO/IEC18000-6C		860-960MHz	Read/Write
	ALN-9634 H3	ISO/IEC18000-6C		860-960MHz	Read/Write
	ALN-9629 H3	ISO/IEC18000-6C		860-960MHz	Read/Write
	ALN-9613 H3	ISO/IEC18000-6C		860-960MHz	Read/Write
	ALN-9740 H4	ISO/IEC18000-6C		860-960MHz	Read/Write
	ALN-9730 H4	ISO/IEC18000-6C		860-960MHz	Read/Write
	ALN-9762 H4	ISO/IEC18000-6C		860-960MHz	Read/Write
	ALN-9710 H4	ISO/IEC18000-6C		860-960MHz	Read/Write
	ALN-9741 H4	ISO/IEC18000-6C		860-960MHz	Read/Write
	ALN-9770 H4	ISO/IEC18000-6C		860-960MHz	Read/Write
	ALN-9768 H4	ISO/IEC18000-6C		860-960MHz	Read/Write
	ALN-9714 H4	ISO/IEC18000-6C		860-960MHz	Read/Write
	ALN-9726 H4	ISO/IEC18000-6C		860-960MHz	Read/Write
	ALN-9728 H4	ISO/IEC18000-6C		860-960MHz	Read/Write
	ALN-9720 H4	ISO/IEC18000-6C		860-960MHz	Read/Write
	ALN-9715 H4	ISO/IEC18000-6C		860-960MHz	Read/Write
	ALN-9713 H4	ISO/IEC18000-6C		860-960MHz	Read/Write
	ALN-9745 H4	ISO/IEC18000-6C		860-960MHz	Read/Write
ST	ST25TB512	ISO/IEC 14443 Type B	512bit	13.56MHz	Read/Write
	ST25TB02K	ISO/IEC 14443 Type B	2K bit	13.56MHz	Read/Write
	ST25TA02KB	ISO/IEC 14443 Type A	2K bit	13.56MHz	Read/Write
	ST25TA 16K / 64K	ISO/IEC 14443 Type A	16K/64K	13.56MHz	Read/Write
	ST25TV02K	ISO/IEC 15693	2K bit	13.56MHz	Read/Write
	ST25TV512	ISO/IEC 15693	512 bit	13.56MHz	Read/Write
	ST25TV64K	ISO/IEC 15693	64K	13.56MHz	Read/Write
TI	TI2048	ISO/IEC 15693	2K Byte = 2048k bit	13.56MHz	Read/Write

Other chips also available upon request and quantity of order.
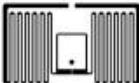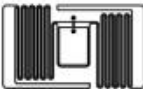
SUNLANRFID UHF Antenna List-NXP,UCODE DNA

SN#	PN#	Chip	Antenna size	Antenna Pics	Read Range	Applications
1	1275-DNA	U CODE DNA	12*75mm		4m	With aantenna no version
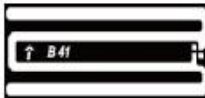
SUNLANRFID UHF Antenna List-Alien/H3/H4

SN#	PN#	Chip	Antenna size	Antenna Pics	Read Range	Applications
1	9662/ 9762	H3/H4	17*70mm		4.45m	Asset Managment
2	9654	H3	19*93mm		6.7m	Tray, tire windshield label
3	9640/ 9740	H3/H4	8.15*94.8mm		4.3m	Asset Managment
4	9634	H3	44*46mm		5m	Retail Management Garment
5	9630/ 9730	H3/H4	9.5*70mm		3m	Asset Managment
6	9629	H3	22.5*22.5mm		2.55m	Health care Garment
7	9620	H3	9.7*27mm		1m	Jewelry
8	9610/ 9710	H3/H4	10.325*44.45mm		4.4m	Asset Managment
9	9613	H3	9*12mm		20cm	Jewelry Health Care Food Access control
10	9627	H3	30*45mm		2.15m	Garment
11	9503-H3	H3	3*95mm		2.7m	Library Liquor
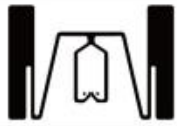
SUNLANRFID UHF Antenna List-Impinj/MR6/MR6P

SN#	PN#	Chip	Antenna size	Antenna Pics	Read Range	Applications
1	4015-R6	MR6	15*40mm		3m	Garment Retail
2	5030-R6	MR6	50*30mm		6m	Garment
3	7015-R6	MR6	70*15mm		7m	Garment
4	A61F	MR6	15*40mm		3m	Garment Retail
5	9503-R6	MR6	3*95mm		6m	Library Liquor Logistics
6	9511-R6	MR6	11*95mm		6m	Logistics Liquor
7	2212-R6	MR6	22*12.5mm		2.5m	Pharmacy Jewelry
8	1142-R6	MR6	11*42mm		3m	Jewelry
9	1027-R6	MR6	10*27mm		3m	Pharmacy Jewelry
10	1222-M6P	MR6-P	12.5*22mm		2.5m	Pharmacy Jewelry
11	1033-M6P	MR6-P	10*33mm		3m	Pharmacy Jewelry
12	1835-R6	MR6	18*35mm		2.5m	Retail

SUNLANRFID UHF Antenna List-Impinj/M4

SN#	PN#	Chip	Antenna size	Antenna Pics	Read Range	Applications
1	H47	M4	44*44mm		6.86m	Logistics Garment Baggage Ticket
2	H41	M4	30*46mm		1.85m	Retail
3	B42	M4	8*22mm		0.5m	Jewelry
4	J41	M4	Φ12mm		0.28m	Pharmacy Jewelry
5	B41	M4	8*22mm		0.4m	Jewelry
6	F43	M4	16*26mm		0.87m	Liquor Jewelry
7	E44	M4	6*105mm		4.63m	Liquor Logistics Jewelry
8	E41B	M4	8*95mm		6.45m	Logistics
9	E41C	M4	8*95mm		6m	Logistics

SUNLANRFID UHF Antenna List-Impinj/M5

SN#	PN#	Chip	Antenna size	Antenna Pics	Read Range	Applications
1	J51	M5	φ12mm		0.2m	Pharmacy Jewelry
2	H51	M5	50*30mm		2.5m	Garment
3	F51	M5	22.5*22.5mm		0.2m	Garment Health care
4	E53	M5	44*18mm		2.95m	Garment
5	E51	M5	95*8mm		4.6m	Logistics
6	E52	M5	68*14mm		3.45m	Garment
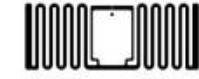
SUNLANRFID UHF Antenna List-EM4423

SN#	PN#	Chip	Antenna size	Antenna Pics	Read Range	Applications
1	2828	EM4423	28*28mm		2.5m	High frequency point 13.8MHZ

SUNLANRFID UHF Antenna List -NXP/UCODE7

SN#	PN#	Chip	Antenna size	Antenna Pics	Read Range	Applications
1	4015-U7	UCODE 7	15*40mm		4m	Garment Retail Management
2	5030-U7	UCODE 7	30*50mm		5m	Garment
3	7015-U7	UCODE 7	15*70mm		7m	Garment
3	1835-U7	UCODE 7	18*35mm		2.5mm	Retail Management With antenna no version

SUNLANRFID UHF Antenna List-NXP/UCODE8

SN#	PN#	Chip	Antenna size	Antenna Pics	Read Range	Applications
1	4015-U8	UCODE 8	15*40mm		3.5m	Garment Retail
2	1570-U8	UCODE 8	15*70mm		8m	Garment
3	3050-U8	UCODE 8	30*50mm		8m	Garment
4	3072-U8	UCODE 8	30*72mm		10m	Warehouse Logistics Packaging
4	2294-U8	UCODE 8	22*94mm		12m	Warehouse Logistics Packaging