



PRODUCT BROCHURE

One-Stop RFID&NFC Solution Provider



Access Control



Laundry & Linen



Asset Management



Jewelry



Vehicle Windshield



RFID



About SUNLANRFID

SUNLANRFID is a national high-tech enterprise providing one-stop RFID solutions — from R&D and manufacturing to system integration. We empower global customers with reliable, customized RFID products and services.



20+ Years

| Industry Experience



1.2B+

| Annual Capacity



80+

| Patents



30+

R&D



300+

Employees



20000+m²

Area



100+

Partners



Certifications



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PRODUCTION EQUIPMENT

ONE-STOP RFID & NFC SOLUTION PROVIDER

Card Factory



Major equipment 1

- **Heidelberg Speedmaster SX 52-5 Five-Colors Offset Printing Machine**
- Spot color accuracy
- Superior color reproduction
- High-volume speed
- Low defect rate

Label Factory



Major equipment 2

- **German Mühlbauer DDA 40000 WF Bonding Machine**
- Most advanced bonding
- 1M+ daily capacity
- Exceptional consistency
- Large-scale ready

Inlay Factory



Major equipment 3

- **Advanced Full-Automatic Ultrasonic Winding Machine, Automatic SMT Machine, Spot Welding Machine, Digital Laminating Machine, etc.**
- Mass production capacity
- Consistent precision
- High-volume optimized

CORE COMPETITIVENESS

ONE-STOP RFID & NFC SOLUTION PROVIDER

Inventory
Management

97%

Customers complete
one-stop shopping at sunlanrfid

99.8%

Product qualification rate

100%

Product testing



PVC Material

COB Chip

RFID Prelam

Smart Card
Manufacturing

Label
Manufacturing

80 pieces

Number of technology patents held

125 pieces

Number of software publications



RFID SMART CARD

ONE-STOP RFID & NFC SOLUTION PROVIDER

APPLICATION AREAS

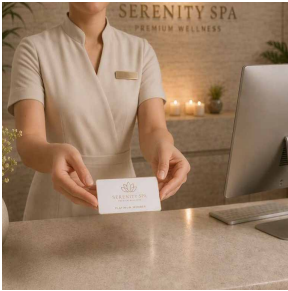
High-volume RFID card solutions across 9 key industries



Access Control



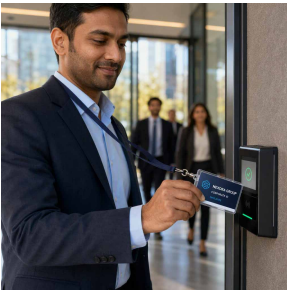
Public Transit



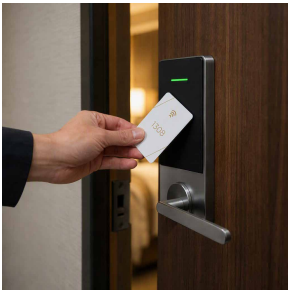
Membership & Loyalty



Medical & Healthcare



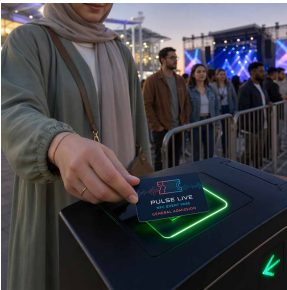
Corporate ID



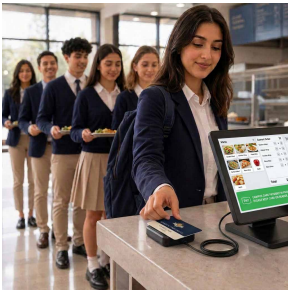
Hotel Key Card



Amusement Park Pass



Event Ticketing



Campus Card

Available Materials:

Paper

PLA

PVC

Wood

PET

ABS

PETG

Metal

Material Comparison for Cards

Material	Advantages	Disadvantages	Applications	Environmental Impact	Cost
PVC	Low cost, easy to process, widely used	Poor heat stability, brittle at low temps, environmental concerns	ID cards, credit cards, access control cards	Not eco-friendly, hard to recycle	Low
PET	Durable, wear-resistant, chemically resistant	Difficult to print, higher cost	Durable ID cards, electronic payment cards	Eco-friendly, recyclable	Medium to High
PETG	Easy to print, good toughness, eco-friendly	Higher cost, slightly lower heat resistance than PET	Eco-friendly credit cards, ID cards	Very eco-friendly	Medium
PLA	Completely biodegradable, low toxicity	High cost, poor heat resistance, less durable	Green projects like gift cards, promotional cards	Highly eco-friendly	High (20%-30% more than PVC)
R-PVC	Low cost, retains most of PVC's properties	Potentially less consistent quality	Similar to PVC, but for eco-conscious applications	More eco-friendly than PVC	Low to Medium
Paper Cards	Low cost, fully biodegradable, recyclable	Low durability, poor water resistance	Eco-friendly gift cards, promotional cards, temporary cards	Highly eco-friendly, recyclable	Low
Metal Cards	Extremely durable, premium aesthetic, highly secure	High cost, heavy, not flexible, hard to print on	Luxury membership cards, access cards, premium credit cards	Not eco-friendly, difficult to recycle	Very High
Wooden Cards	Biodegradable, aesthetic, customizable	Higher cost, not as durable, can warp	Eco-conscious projects, premium business cards	Highly eco-friendly, biodegradable	High
ABS	High surface hardness, stable at low temps	Poor UV resistance, ages quickly outdoors	Card cores, where high rigidity is needed	Not eco-friendly	Low

RFID CARD TYPES

ONE-STOP RFID & NFC SOLUTION PROVIDER



PVC Card
Standard, versatile



Paper Card
Disposable tickets & events



Metal Card
Luxury, exclusive VIP



PLA Card
Biodegradable, eco-friendly



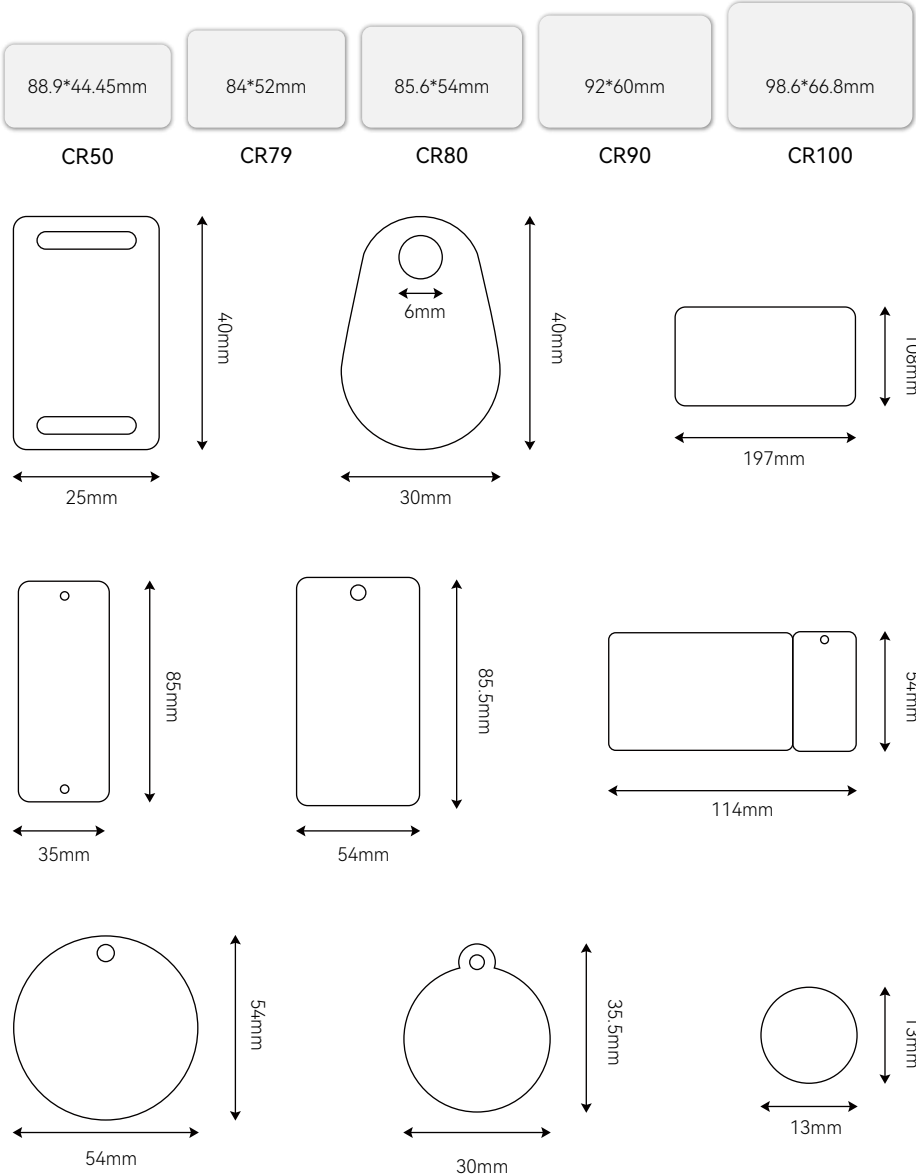
Wooden Card
Premium, natural finish



Wooden Card
Premium, natural finish

Customized NFC Tag

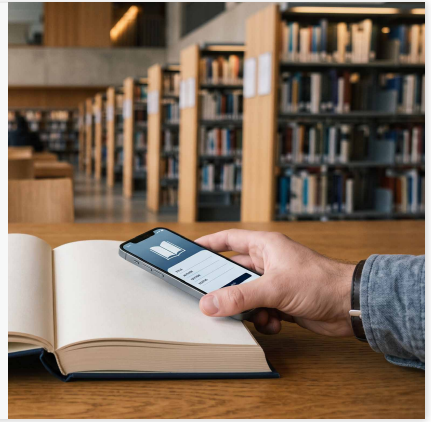
Common customized sizes:



RFID LABEL SERIES

ONE-STOP RFID & NFC SOLUTION PROVIDER

RFID LIBRARY LABEL



- Rapid inventory & tracking
- Minimizes stocktaking errors
- Self-service checkout ready

RFID JEWELRY LABEL



- Streamlined receiving & labeling
- Reduced logistics costs
- Enhanced inventory accuracy

RFID LABEL SERIES

ONE-STOP RFID & NFC SOLUTION PROVIDER

RFID LED LABEL



- LED light-up locating
- Instant visual identification
- Ideal for files, cables & archives

TAMPER-EVIDENT LABEL



- Anti-counterfeiting protection
- Tamper-proof traceability
- Wine, spirits & luxury packaging

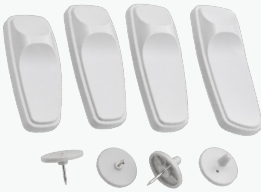
RFID RETAIL TAG

ONE-STOP RFID & NFC SOLUTION PROVIDER

APPAREL RETAIL LABEL SERIES

- Real-time inventory accuracy
- Anti-counterfeiting & channel protection
- Automated self-checkout ready

Dual security& tracking



Embedded in garment



Barcode+RFID in one



RFID RETAIL TAG

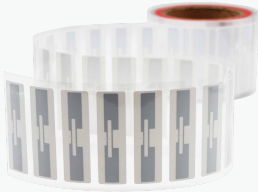
ONE-STOP RFID & NFC SOLUTION PROVIDER

SUPERMARKET RETAIL

- Real-time shelf tracking
- Liquid-resistant for cold chain
- Fast contactless checkout

RFID LIQUID-RESISTANT LABEL

Cold chain & wet environments



RFID FLAG LABEL

High-visibility tracking



UHF RFID LABEL

Library & wine management



RFID LAUNDRY TAG

ONE-STOP RFID & NFC SOLUTION PROVIDER

RFID TEXTILE LAUNDRY LABEL



- High temperature & pressure resistant
- Soft & flexible for everyday garments
- Withstands industrial washing cycles

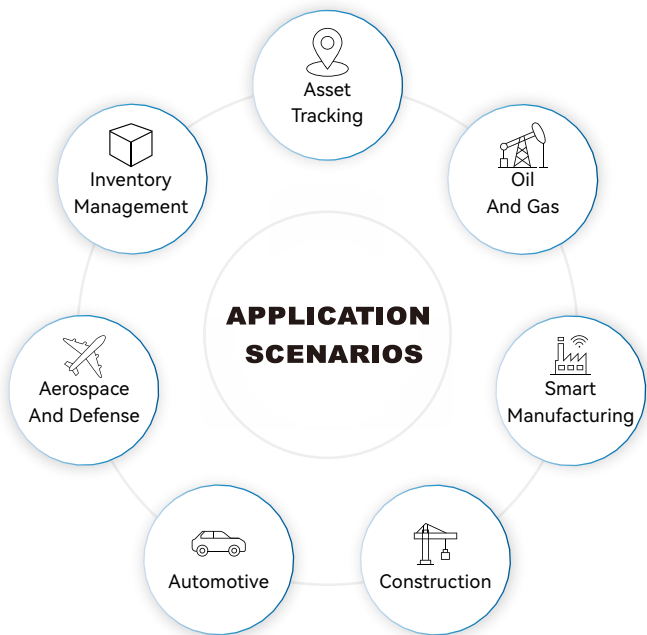
PPS LAUNDRY TAG



- Tear-resistant, extended lifespan
- High-temperature sterilization safe
- Deal for workwear & specialized garments

RFID ON METAL TAG

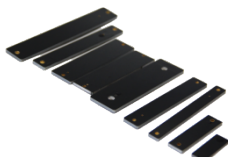
ONE-STOP RFID & NFC SOLUTION PROVIDER



• Product List •



ABS On-Metal Tag
General asset tracking



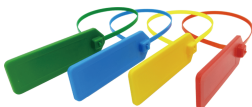
PCB On-Metal Tag
IT equipment & serves



Flexible On-Metal Tag
Curved metal surfaces



RFID Guard Patrol Tag
Security patrol & inspection



RFID Cable Tie Tag
Power & telecom cables



RFID High-Temp Tag
Industrial ovens & paint lines

RFID WRISTBAND

ONE-STOP RFID & NFC SOLUTION PROVIDER

APPLICATION SCENARIOS



Event Ticketing
& Access



Cashless
Payment



Keyless Entry
& Lockers



Access
Control



Loyalty & VIP
Programs



Staff & Visitor
Management

PRODUCT LIST



Fabric Wristband
Comfortable, reusable



Elastic Woven
Premium, custom printed



Silicone Wristband
Durable, waterproof



PVC Wristband
Cost-effective, single-use



Vinyl Wristband
Tamper-proof, secure



Tyvek Wristband
Disposable, events

RFID KEYFOB

ONE-STOP RFID & NFC SOLUTION PROVIDER

APPLICATION SCENARIOS



Access Control



Vehicle & Gate Entry



Membership & Loyalty



Asset Tracking



Public Transportation



Employee Identification

PRODUCT LIST



ABS Keyfob

Lightweight, cost-effective



Epoxy Keyfob

Smooth finish, vibrant colors



Hard Epoxy Keyfob

Durable, fully customizable



Leather Keyfob

Premium, luxury feel

RFID EQUIPMENT

ONE-STOP RFID & NFC SOLUTION PROVIDER

HANDHELD UHF RFID READERS



SL5

UHF RFID Handheld Reader

- Impinj E710 UHF Module
- 30m+ read range | 950+ tags/sec
- Android 11 | Octa-core 2.3GHz
- 5" / 6" display | 1280×720 / 2160×1080
- 6,700mAh / 13,400mAh battery | Hot swap
- IP65 | 1.5m drop | 598g
- Optional: Barcode | NFC | Fingerprint | PSAM

SLU2

UHF RFID Handheld Reader

- Impinj E710 UHF Module
- WiFi6 | 1300 tags/sec
- Android 11 | Octa-core 2.0GHz
- 5.5" display | 1440×720
- 11,700mAh dual battery | Hot swap
- IP67 | 2.0m drop | 630g
- Optional: Barcode | NFC | GPS

RFID EQUIPMENT

ONE-STOP RFID & NFC SOLUTION PROVIDER

FIXED UHF RFID READERS



SLT7-(P)

UHF RFID Gate Reader

- 860-960MHz | ISO18000-6C | Impinj R2000
- 0-600mm read range | Built-in infrared sensor
- People counting | In/out direction detection
- Visible & audible alarm | Off-line EAS
- 14" touch screen (optional)
- AC220V | Ethernet



SLT1C

UHF RFID Ceiling Reader

- 860-960MHz | ISO18000-6C/6B
- 2.5m read range | 90° coverage
- 33dBm output | 500+ tags/sec
- Aluminum + acrylic | ≤5kg
- Ethernet | Visible & audible alarm
- DC12V/5A

RFID EQUIPMENT

ONE-STOP RFID & NFC SOLUTION PROVIDER

RFID LABEL PRINTER



SL1D

Desktop UHF RFID Label Printer

**Print + Encode
in One Pass**

Simultaneously prints labels and encodes UHF RFID tags, eliminating separate encoding steps

**Flexible
Anti-Metal Support**

Compatible with standard RFID labels and flexible anti-metal RFID tags

External Roll Holder

Supports large media rolls for high-volume, uninterrupted printing

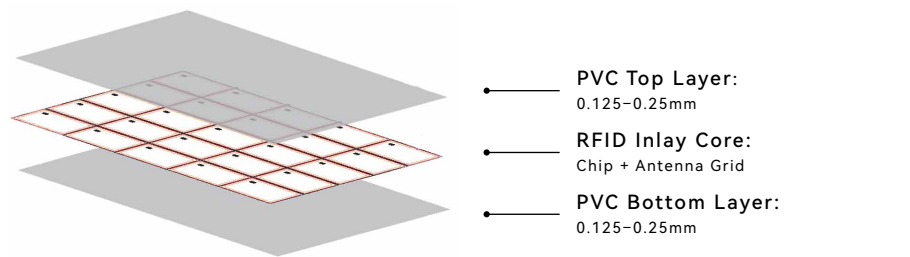
SPECIFICATIONS

Print Method:	Thermal Transfer / Direct Thermal
RFID:	UHF EPC Gen2 (ISO18000-6C)
Media Type:	RFID labels, flexible anti-metal tags, standard labels
Connectivity:	USB + Ethernet
Applications:	Asset tagging, retail labeling, logistics, inventory management

PVC INLAY PRELAM

ONE-STOP RFID & NFC SOLUTION PROVIDER

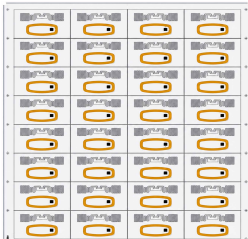
RFID Card Core — Inlay & Prelam Sheet



STANDARD GRID LAYOUTS — Max sheet size 620×770mm



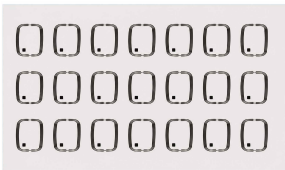
6×8 HF



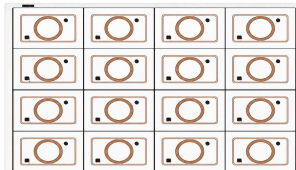
4×8 UHF & LF



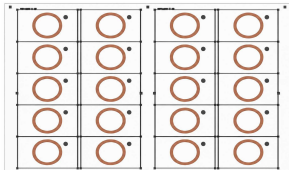
6×12 HF



3×7 LF



4×4 HF & LF



2×5 LF

FREQUENCY & LAYOUT



125KHz (LF):

3×7, 5×5, 3×8, 4×8,
4×6, 4×7, 2×5, 2×4



13.56MHz (HF):

6×8, 8×10, 6×12, 4×4



860-960MHz (UHF):

4×8, 3×7

TECHNICAL SPECS



Thickness:

0.42mm ±0.03 /
0.50mm ±0.03



Operating Temp: -25°C to +55°C



Available IC:

LF: Atmel / EM Marin
HF: NXP / ST /
Infineon / LEGIC
UHF: Impinj / Alien / NXP

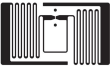
UHF ANTENNA LIST

Impinj / M4 Series

	Name	Chip	Antenna Size	Antenna Image	Reading Distance (4W)	Application scenarios
1	H47	M4	44*44mm		865MHZ: 3m 920MHZ: 7m	Logistics Transportation Ticket luggage
2	J41	M4	φ12mm		865MHZ: 0.8m 920MHZ: 0.5m	Pharmaceutical Jewelry
3	F43	M4	16*26mm		865MHZ: 0.5m 920MHZ: 0.5m	Alcoholic Jewelry
4	SL6040-M4	M4	60*40mm		865MHZ: 3m 920MHZ: 8m	Aviation
5	SL5050-M4	M4	50*50mm		865 MHZ: 8m 920MHz: 8m	Logistics
6	SL5030-M4	M4	30*50mm		865MHZ: 3m 920MHz: 8m	Tray tire Windshield
7	SL9319-M4	M4	19*93mm		865 MHZ: 4.5m 920MHz: 12m	Tray tire Windshield
8	SL7017-M4	M4	17*70mm		865 MHZ: 13m 920MHz: 10m	Item Assets
9	SLD7-M4	M4	φ7mm		865 MHZ: 0.12m 920MHz: 0.16m	Near-field Tag

UHF ANTENNA LIST

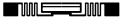
Impinj/M700 Series

	Name	Chip	Antenna Size	Antenna Image	Reading Distance (4W)	Application scenarios
1	SL1222-M700	M730/M750	12.5*22mm		865 MHz: 1m 920MHz: 3.5m	Pearls and jewels
2	SL1027-M700	M730/M750	10*27mm		865MHz: 3m 920MHz: 6m	Pearls and jewels
3	SL3050-M700	M730/M750	30*50mm		865MHz: 6m 920MHz: 15m	Clothing Retail
4	SL0895-M700	M730/M750	8*95mm		865 MHz: 17m 920MHz: 20m	Logistics Packaging
5	SL1642-M700	M730/M750	16*42mm		865 MHz: 8m 920MHz: 10m	Clothing Retail
6	SL1642-M 700	M730/M750	16*42mm		865MHz: 2m 920MHz: 5.5m	Clothing Retail
7	SL1470-M700	M730/M750	14*70mm		865 MHz: 10m 920MHz: 16m	Clothing Retail
8	SL1470-M700	M730/M750	14*70mm		865 MHz: 8m 920MHz: 15m	Clothing Retail
9	SL0395-M700	M730/M750	3*95mm		865 MHz: 8m 920MHz: 15m	Alcoholic beverages library



UHF ANTENNA LIST

Impinj/M700 Series

	Name	Chip	Antenna Size	Antenna Image	Reading Distance (4W)	Application scenarios
10	SL1993-M700	M730/M750	19*93mm		865MHZ: 7m 920MHz: 16m	Logistics Packaging
11	SL3072-M700	M730/M750	30*72mm		865 MHz: 10.5m 920MHz: 12m	Logistics Packaging
12	SL1217-M700	M730/M750	12*17mm		1m	Logistics Packaging
13	SL1530-M700	M730/M750	15*30mm		865 MHz: 4m 920MHz: 10m	Medical Clothing
14	SL7008-M700	M730/M750	70*8mm		865 MHz: 6m 920MHz: 12m	Retail
15	SL4428-M700	M730/M750	44*28mm		865 MHz: 7m 920MHz: 18m	Clothing Logistics
16	SL4211-M700	M730/M750	42*11mm		865 MHz: 5m 920MHz: 7m	Pearls and jewels
17	SL4420-M700	M730/M750	44*20mm		865 MHz: 8m 920MHz: 15m	Clothing
18	SL4216-M700	M730/M750	42*16mm		865 MHz: 6m 920MHz: 14m	Clothing



UHF ANTENNA LIST

Impinj/M700 Series

	Name	Chip	Antenna Size	Antenna Image	Reading Distance (4W)	Application scenarios
19	SL9424-M700	M730/M750	94*24mm		865MHZ: 3m 920MHz: 5m	Pearls and jewels
20	SL4216-M700	M730/M750	42*16mm		865 MHz: 8m 920MHz: 10m	Clothing Retail
21	SL5030-M700	M730/M750	50*30mm		865 MHz: 6m 920MHz: 15m	Clothing Retail
22	SL5030-M700	M730/M750	70*14mm		865 MHz: 8m 920MHz: 15m	Clothing Retail



UHF ANTENNA LIST

NXP/UCODE 8 and UCODE 9 Series

	Name	Chip	Antenna Size	Antenna Image	Reading Distance (4W)	Application scenarios
1	SL4015-U8	U9/U9XE	15*40mm		865 MHz: 5m 920MHz: 9m	Clothing Retail
2	SL1570-U8	U9/U9XE	15*70mm		865 MHz: 8m 920MHz :17m	Clothing
3	SL1470-U8	U9/U9XE	14*70mm		865 MHz: 10m 920MHz :20m	Clothing
4	SL3050-U8	U9/U9XE	30*50mm		865 MHz: 13m 920MHz :15m	Clothing
5	SL3072-U8	U9/U9XE	30*72mm		865 MHz: 4m 920MHz :10m	Logistics Packaging
6	SL2294-U8	U9/U9XE	22*94mm		865MHz: 11m 920MHz :20m	Logistics Packaging
7	SL1027-U8	U9/U9XE	10*27mm		865 MHz: 4.5m 920MHz: 3.5m	Jewelry (European Standard)
8	SL1142-U8	U9/U9XE	11*42mm		865MHz: 3m 920MHz: 8m	Pearls and jewels
9	SL1540-U8	U9/U9XE	15*40mm		2.5 m	Liquid test tube



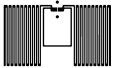
UHF ANTENNA LIST

NXP/UCODE 8 and UCODE 9 Series

	Name	Chip	Antenna Size	Antenna Image	Reading Distance (4W)	Application scenarios
10	SL1642-U8	U9/U9XE	16*42mm		865MHZ: 6.5m 920MHz: 9m	Logistics Packaging
11	SL2040-U8	U9/U9XE	20*40mm		865MHZ: 5m 920MHz: 12m	Retail (Flag)
12	SL4229-U8	U9/U9XE	29*42mm		865MHZ: 4m 920MHz: 14m	Logistics Packaging
13	SL9503-U8	U9/U9XE	3*95mm		865MHZ: 5m 920MHz: 15m	Alcoholic beverages library
14	SL4444-U8	U9/U9XE	44*44mm		865MHZ: 4m 920MHz: 14m	Logistics
15	SL2539-U8	U9/U9XE	25*39mm		865MHZ: 9m 920MHz: 4m	Pearls and jewels
16	SL5030-U9	U9/U9XE	50*30mm		865 MHz: 11.5m 920MHz: 16m	Clothing
17	SLD012-U8	U9/U9XE	Circle12mm		865MHZ: 0.3m 920MHz: 0.6m	Item Assets
18	SL0894-U8	U9/U9XE	8.15*94.8mm		865MHZ: 20m 920MHz: 19m	Tobacco and Alcohol Products

UHF ANTENNA LIST

NXP/UCODE 8 and UCODE 9 Series

	Name	Chip	Antenna Size	Antenna Image	Reading Distance (4W)	Application scenarios
19	SL1770-U8	U9/U9XE	17*70mm		865MHz: 10m 920MHz: 20m	Windshield
20	SL1222-U8	U9/U9XE	12.5*22mm		865MHz: 2m 920MHz: 5m	Pearls and jewels
21	SLD010-U8	U9/U9XE	Circle 10mm		865MHz: 0.3m 920MHz: 0.5m	Item Assets
22	SL1835-U8	U9/U9XE	18*35mm		865MHz: 7.5m 920MHz: 4m	Retail
23	SL1790-U8	U9/U9XE	17*90mm		865MHz: 14m 920MHz: 20m	Logistics Packaging
24	SL1070-U8	U9/U9XE	10*70mm		865MHz: 8m 920MHz: 11m	Liquid test tube
25	SL2797-U8	U9/U9XE	27*97mm		865MHz: 11m 920MHz: 15m	Logistics Packaging
26	SL2696-U8	U9/U9XE	26*96mm		865MHz: 12m 920MHz: 16m	Ogistics Packaging
27	SL3565-U8	U9/U9XE	65*35mm		865MHz: 6m 920MHz: 12m	Clothing Retail

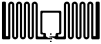
UHF ANTENNA LIST

NXP/UCODE 8 and UCODE 9 Series

	Name	Chip	Antenna Size	Antenna Image	Reading Distance (4W)	Application scenarios
28	SL1530-U8	U9/U9XE	15*30mm		865MHZ: 4m 920MHz: 8m	Medical Clothing
29	SL7008-U8	U9/U9XE	70*8mm		865MHZ: 6m 920MHz: 10m	Retail
30	SL4428-U8	U9/U9XE	44*28mm		865MHZ: 8m 920MHz :17m	Clothing Logistics
31	SL4216-U8	U9/U9XE	42*16mm		865MHZ: 8m 920MHz: 10m	Clothing Retail
32	SL5030-U8	U9/U9XE	50*30mm		865MHZ: 13m 920MHz: 15m	Clothing
33	SL7014-U8	U9/U9XE	70*14mm		865MHZ: 8m 920MHz: 15m	Liquid test tube

UHF ANTENNA LIST

Kunrui/Qstar 7XGB Series

	Name	Chip	Antenna Size	Antenna Image	Reading Distance (4W)	Application scenarios
1	SL1540-Q	Qstar 73GB	15*40mm		865MHZ: 2.5m 920MHz: 10m	Item Assets
2	SL1570-Q	Qstar 73GB	15*70mm		865MHZ: 5.5m 920MHz: 14m	Item Assets
3	0S1993-Q EU	Qstar 73GB	19*93mm		865MHZ: 12m 920MHz: 10m	Logistics Packaging
4	SL1540-Q EU	Qstar 73GB	15*40mm		865MHZ: 8m 920MHz: 6m	Item Assets
5	SL1850-Q EU	Qstar 73GB	18*50mm		865MHZ: 9m 920MHz: 5m	Item Assets
6	SL5050-Q	Qstar 73GB	50*30mm		865MHZ: 4m 920MHz: 12m	Clothing Retail
7	SL9422-Q	Qstar 73GB	94*22mm		865MHZ: 8m 920MHz: 15m	Logistics Packaging

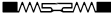
UHF ANTENNA LIST

Alien/H3, H9, H10 Series

	Name	Chip	Antenna Size	Antenna Image	Reading Distance (4W)	Application scenarios
1	9662	H3/H4 EC/H9	17*70mm		865MHZ: 9m 920MHZ: 12m	Item Assets
2	9654	H3/H4 EC/H9	19*93mm		865MHZ: 5m 920MHZ: 12m	Tray tire Windshield
3	9640	H3/H4 EC/H9	8.15*94.8mm		865MHZ: 12m 920MHZ: 10m	Item Assets
4	SL9654-G	H9/H10	19*93mm		865MHZ: 7m 920MHZ: 14m	Clothing Retail
5	SL1470-H10	H10	14*70mm		865MHZ: 7m 920MHZ: 12.5m	Item Assets
6	SL0395-H10	H10	3*95 mm		865MHZ: 5m 920MHZ: 10m	Alcoholic beverages library
7	SL3050-H10	H10	30*50 mm		865MHZ: 4m 920MHZ: 12m	Clothing Retail
8	SL1642-H10	H10	16*42mm		865MHZ: 3.5m 920MHZ: 9m	Clothing Retail
9	SL2040-H10	H10	20*40mm		865MHZ: 2m 920MHZ: 8m	Medical Retail

UHF ANTENNA LIST

Alien/H3, H9, H10 Series

	Name	Chip	Antenna Size	Antenna Image	Reading Distance (4W)	Application scenarios
10	SL1222-H10	H10	12.5*22mm		865 MHz: 1.5m 920MHz: 4m	Pearls and jewels
11	9654	H10	95*8mm		865MHz: 5m 920MHz: 12m	Library
12	9640	H10	93*19mm		865MHz: 12m 920MHz: 10m	Logistics Packaging
13	SL9654-G	H10	45.2*10.5mm		865MHz: 7m 920MHz: 14m	Item Assets
14	SL1470-H10	H10	42*11mm		865MHz: 7m 920MHz: 12.5m	Jewelry Retail

UHF ANTENNA LIST

Dual-Band Series

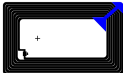
	Name	Chip	Antenna Size	Antenna Image	Reading Distance (4W)	Application scenarios
1	SL2040-EM4425	EM4425	20*40mm		865MHZ: 2m 920MHz: 3m	Anti-fake
2	SL6733-EM4425	EM4425	67*33mm		865 MHz: 4 m 920MHz :10m	Logistics

Kunrui/Qstar 6S Dual-Band Series

	Name	Chip	Antenna Size	Antenna Image	Reading Distance (4W)	Application scenarios
1	SL3050-6S	Qstar 6S	50*30mm		865MHZ:2m 920MHz :6m	Item Assets

HF ANTENNA LIST

HF 13.56MHZ—Fudan 1K

	Chip	Antenna Size	Antenna Image
1	F08	15*15mm	
2	F08	26*11mm	
3	F08	52*15mm	
4	F08	45*45mm	
5	F08	32*32mm	
6	F08	76*45mm	
7	F08	32*15mm	
8	F08	40*40mm	
9	F08	Dia20mm	

HF ANTENNA LIST

HF 13.56MHZ—Fudan 1K

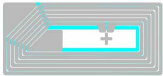
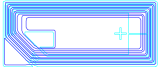
	Chip	Antenna Size	Antenna Image
10	F08	Dia22mm	
11	F08	Dia22mm	

HF 13.56MHZ—ICODE Series

	Chip	Antenna Size	Antenna Image
1	ICODE	Dia22mm	
2	ICODE	Dia34mm	

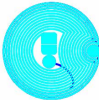
HF ANTENNA LIST

HF 13.56MHZ—NTAG Series

	Chip	Antenna Size	Antenna Image
1	NTAG	15*15mm	
2	NTAG	8*18mm	
3	NTAG	26*11mm	
4	NTAG	34*34mm	
5	NTAG	37*22mm	
6	NTAG	76*45mm	
7	NTAG	52*15mm	
8	NTAG	52*15mm	
9	NTAG	40*40mm	

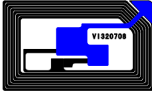
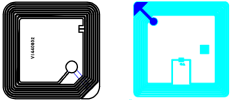
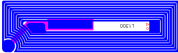
HF ANTENNA LIST

HF 13.56MHZ—NTAG Series

	Chip	Antenna Size	Antenna Image
10	NTAG	45*45mm	
11	NTAG	Dia15mm	
12	NTAG	Dia19mm	
13	NTAG	Dia21mm	
14	NTAG	Dia27mm	
15	NTAG	Dia35mm	

HF ANTENNA LIST

HF 13.56MHZ—ICODE Series

	Chip	Antenna Size	Antenna Image
1	ICODE	15*15mm	
2	ICODE	26*11mm	
3	ICODE	37*22mm	
4	ICODE	45*45mm	
5	ICODE	76*45mm	
6	ICODE	34*22mm	
7	ICODE	52*15mm	
8	ICODE	52*15mm	
9	ICODE	32*14mm	

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 EEPOM 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 15693	512 Bit	13.56MHz	Read/Write
EM-Marin	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
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

Chip List (Part)

Brand	Chip name	Read sensitivity	TID	Access	Kill	EPC	USER
Alien	Higgs 3	-18dbm	E2003412	32	32	96-496	512
	Higgs 4	-18.5dBm	E2003414	32	32	128	128
	Higgs-EC	-22.5dBm	E2003811	32	32	128	128
	Higgs 9	-22.5dBm	E2003821/ E2803821	32	32	96-496	688
	Higgs 10	-23dBm	E2803813	32	32	96-128	0-32
NXP	Ucode 8	-23dBm	E2806894	32	32	128	0
	Ucode 8m	-23dBm	E2806994	32	32	96	32
	Ucode 9	-24dBm	E2806995	0	32	96	0
	Ucode 9XE	-24dBm	E2806A162	32	32	128	32
	Ucode 9XM	-24dBm	E2806897	32	32	128/256/496	752/624/384
Impinj	Monza 4i	-22dBm	E2801114	32	32	256	480
	Monza 4D	-22dBm	E2801100	32	32	128	32
	Monza 4QT	-22dBm	E2801105	32	32	128	512
	Monza R6	-22.1dBm	E2801160	0	0	96	0
	Monza R6-P	-22.1dBm	E2801170	32	32	128	32
	M730	-24dBm	E2801191	32(Share)		128	0
	M750	-24dBm	E2801190	32(Share)		96	32
	M770	-24dBm	E28011A0	32(Share)		128	32
	M780	-23.5dBm	E28011C0	32(Share)		496	128
	M781	-23.5dBm	E28011C1	32(Share)		128	512
	M830	-25.5dBm	E28011B0	32(Share)		128	0
	M850	-25.5dBm	E28011B0	32(Share)		96	32
EM	EM4324	-8dBm,-27dBm	E200B001/2	32	32	96	720
	EM4325	-8dBm,-30dBm	E200BXXX	32	32	352	3072
	EM4423	-16dBm	E280B0A0/1	32	32	128/224	160/64
	EM4124	-19dBm	E200B080	32	32	96	0
	EM4126	-19dBm	E200B0C0	0	0	208	0
	EM4425	-20dBm	E200B112	32	32	480	1056

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