Leadercolor

RFID

深圳名彩智能卡有限公司
Shenzhen Leadercolor Smart Card Co., Ltd.

+86 755 89379391 89379456

+86 755 89379456

sales@leadercolor.com

https://www.leadercolor.com

2F, Building A11, No.6 Xinfeng Road, Taizhong Industrial Zone,
Longgang District, Shenzhen China 518172

PRODUCT MANUAL

Committed to providing high-performance RFID product for our customers

COMPANY »>
PROFILE

Shenzhen Leadercolor Smart Card Co,.LTD was established in 2009, is a collection of smart card design, product development, manufacturing and domestic and overseas sales and integration of professional production of a variety of chip cards, plastic card company, the company with high quality and attentive service has won the trust of customers at home and abroad, our products are mainly applied in a variety of large public places such as hotels, hospitals, buses and subways and clubs, and government agencies such as banks, telecommunications, schools and so on. The company has reached long-term strategic cooperation with the world's Formula 1 racing, Western hotel chains, etc

The company is willing to work with dedicated, expertise and professional partners to create an influential company in the industry that can continuously improve its value. We have a passionate, equal and open team, we have a perfect career development and promotion system, we have a highly competitive salary and welfare system, we have a variety of staff activities, and we can provide a borderless development stage for capable staff! The excellent team of Leadercolor Smart Card will be able to cut through all the difficulties and make great efforts to provide the broadest development stage for every Leadercolor person. We look forward to your joining us...

Customized Size

Customized Chip

Customized Material

Customized Read Range

Quality

Patent

Small Quantity

Professional Service

FACTORY ENVIRONMENT
Welcome to visit our factory

CERTIFICATES

Our company focuses on the RFID industry, has 16+ years of rich experience, also applied for a lot of certificates, such as domestic and foreign patent certificates, software copyright, CE certificate, RoHS certificate, ISO system certificate and RFID animal ear mark ICAR certificate.

PRODUCT ≫ >
CONTENTS

RFID Animal Ear Tag

UHF RFID Animal Ear Tag

Protocol	ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	Worldwide 840-960Mhz
Data retention	10 years
Write endurance	100000 Cycles
Anti-collision	Support multiple tags reading
Customized	Laser printing, EPC Pre-written, Color, Chip&Inlay

LDR-2796A 10g
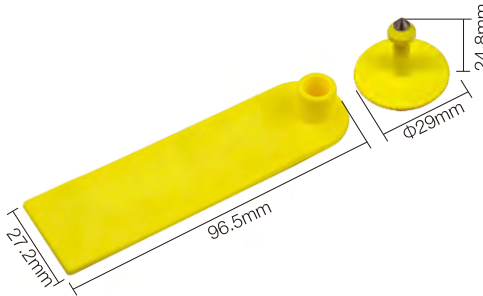
Chip	Ucode 8 (Customized)
Memory	EPC128bits / TID48bits / User0bits
Read&Write	Supported
Read Range	1-10m adjustable
Color	Yellow, other color customized
Material	TPUAAA
Installation	Ear tag plier
Package	Female tag + Male tag, 1000sets/carton

LDR-9627A 10.1g
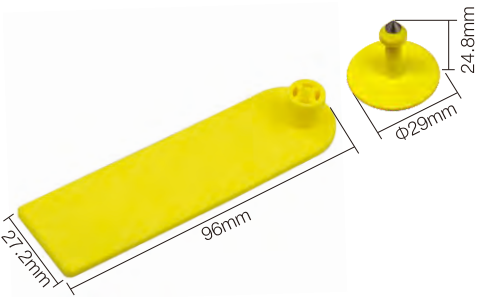
Chip	Ucode 8 (Customized)
Memory	EPC128bits / TID48bits / User0bits
Read&Write	Supported
Read Range	1-10m adjustable
Color	Yellow, other color customized
Material	TPUAAA
Installation	Ear tag plier
Package	Female tag + Male tag, 1000sets/carton

LDR-10227A 12g
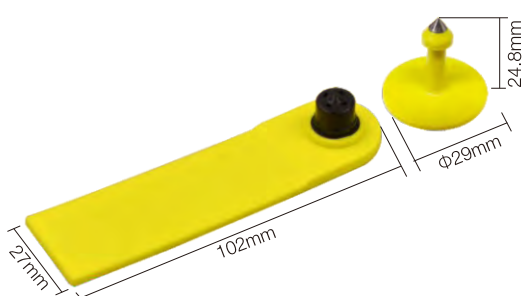
Chip	Ucode 8 (Customized)
Memory	EPC128bits / TID48bits / User0bits
Read&Write	Supported
Read Range	1-10m adjustable
Color	Yellow, other color customized
Material	TPUAAA
Installation	Ear tag plier
Package	Female tag + Male tag, 1000sets/carton

LDR-2770A — 15g

Chip	Ucode 8 (Customized)
Memory	EPC128bits / TID48bits / User0bits
Read&Write	Supported
Read Range	1-10m adjustable
Color	Yellow, other color customized
Material	TPUAAA
Installation	Ear tag plier
Package	Female tag + Male tag, 500sets/carton

LDR-8370A — 15g

Chip	Ucode 8 (Customized)
Memory	EPC128bits / TID48bits / User0bits
Read&Write	Supported
Read Range	1-10m adjustable
Color	Yellow, other color customized
Material	TPUAAA
Installation	Ear tag plier
Package	Female tag + Male tag, 500sets/carton

LDR-D33A — 4.5g

Chip	Ucode 8 (Customized)
Memory	EPC128bits / TID48bits / User0bits
Read&Write	Supported
Read Range	1-5m adjustable
Color	Yellow, other color customized
Material	TPUAAA
Installation	Ear tag plier
Package	Female tag + Male tag, 1500sets/carton

LF RFID Animal Ear Tag

Protocol	ISO/IEC 11784/11785
Frequency	134.2Khz
Data Retention	5-7 years
Write Endurance	100000 Cycles
Operating Temperature	-30℃~ +85℃
Customized Service	Laser printing, EPC Pre-written, Color, Chip&Inlay

LDI-D30A — 8.2g
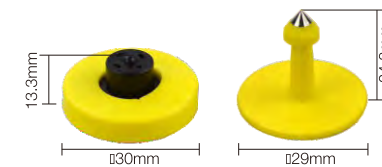
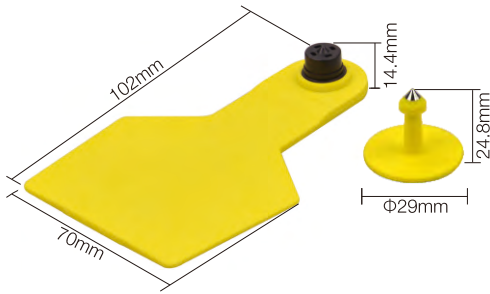|	
Chip	HDX / FDX
Read&Write	Supported
Read Range	10-30cm adjustable
Color	Yellow, other color customized
Material	TPUAAA
Installation	Ear tag plier
Package	Female tag + Male tag, 1000sets/carton

LDI-7857A — 15.5g

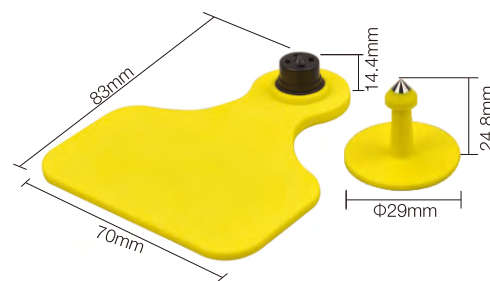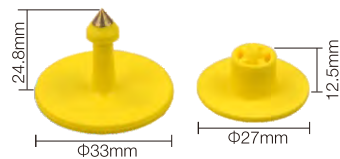|	
Chip	HDX / FDX
Read&Write	Supported
Read Range	10-30cm adjustable
Color	Yellow, other color customized
Material	TPUAAA
Installation	Ear tag plier
Package	Female tag + Male tag, 1000sets/carton

LDI-8470A — 12g
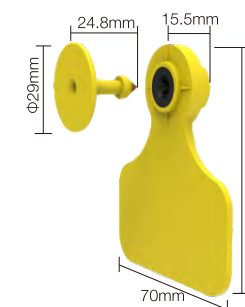
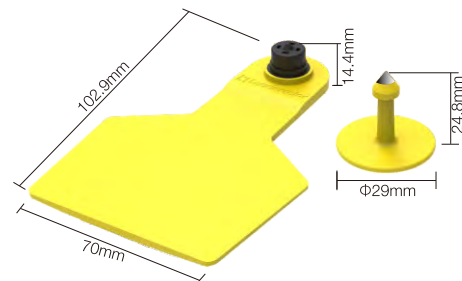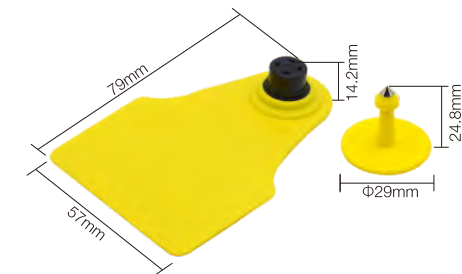|	
Chip	HDX / FDX
Read&Write	Supported
Read Range	10-30cm adjustable
Color	Yellow, other color customized
Material	TPUAAA
Installation	Ear tag plier
Package	Female tag + Male tag, 1000sets/carton

Visual Ear Tag

No built-in chip animal ear tags are commonly used for animal identification, but do not require electronic tracking capabilitiesand may be more physical tags, such as numbers, colors, etc. TPU material is a thermoplastic polyurethane, with wear-resistant, flexible, good weather resistance and other characteristics, suitable for outdoor use. Laser printing can be customized, color can be customized
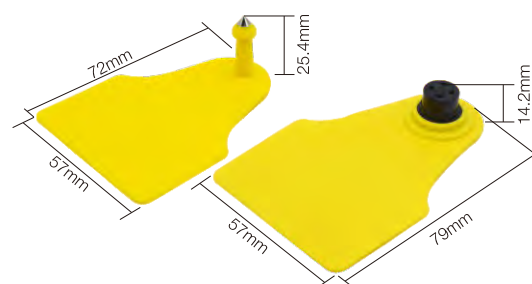
LD-4841A   4.7g

Color	Yellow, other color customized
Material	TPUAAA
Installation	Ear tag plier
Operating Temperature	-20℃~ +80℃
Operating Humidity	20% ~ 90%RH
Package	Female tag + Male tag, 1500sets/carton
Customized Service	Laser printing, Color

LD-2770A   10g

Color	Yellow, other color customized
Material	TPUAAA
Installation	Ear tag plier
Operating Temperature	-20℃~ +80℃
Operating Humidity	20% ~ 90%RH
Package	Female tag + Male tag, 1000sets/carton
Customized Service	Laser printing, Color

LD-5143A   6.1g

Color	Yellow, other color customized
Material	TPUAAA
Installation	Ear tag plier
Operating Temperature	-20℃~ +80℃
Operating Humidity	20% ~ 90%RH
Package	Female tag + Male tag, 1500sets/carton
Customized Service	Laser printing, Color

LD-7965A   9g

Color	Yellow, other color customized
Material	TPUAAA
Installation	Ear tag plier
Operating Temperature	-20℃~ +80℃
Operating Humidity	20% ~ 90%RH
Package	Female tag + Male tag, 1000sets/carton
Customized Service	Laser printing, Color

LD-7058A   8.2g

Color	Yellow, other color customized
Material	TPUAAA
Installation	Ear tag plier
Operating Temperature	-20℃~ +80℃
Operating Humidity	20% ~ 90%RH
Package	Female tag + Male tag, 1000sets/carton
Customized Service	Laser printing, Color

LD-7965AB   12.6g

Color	Yellow, other color customized
Material	TPUAAA
Installation	Ear tag plier
Operating Temperature	-20℃~ +80℃
Operating Humidity	20% ~ 90%RH
Package	Female tag + Male tag, 1000sets/carton
Customized Service	Laser printing, Color

LD-7858A   9g
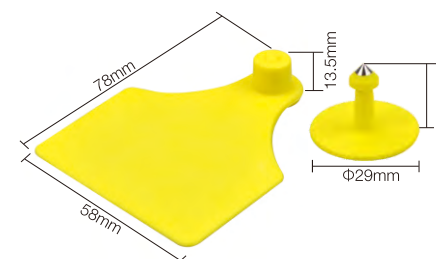
Color	Yellow, other color customized
Material	TPUAAA
Installation	Ear tag plier
Operating Temperature	-20℃~ +80℃
Operating Humidity	20% ~ 90%RH
Package	Female tag + Male tag, 1000sets/carton
Customized Service	Laser printing, Color

LD-9270A   12.1g
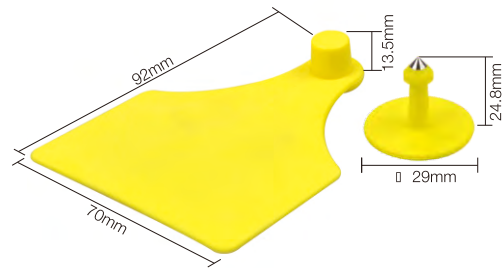
Color	Yellow, other color customized
Material	TPUAAA
Installation	Ear tag plier
Operating Temperature	-20℃~ +80℃
Operating Humidity	20% ~ 90%RH
Package	Female tag + Male tag, 1000sets/carton
Customized Service	Laser printing, Color

LD-11575A   14.2g
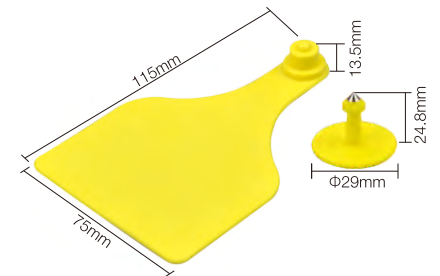
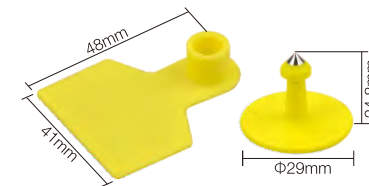| Color	Yellow, other color customized
Material	TPUAAA
Installation	Ear tag plier
Operating Temperature	-20℃~ +80℃
Operating Humidity	20% ~ 90%RH
Package	Female tag + Male tag, 1000sets/carton
Customized Service	Laser printing, Color

LD-D27A   3.6g
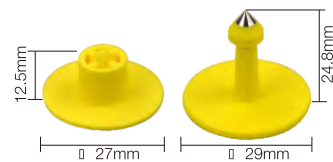
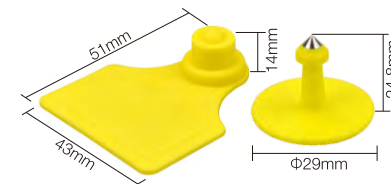| Color	Yellow, other color customized
Material	TPUAAA
Installation	Ear tag plier
Operating Temperature	-20℃~ +80℃
Operating Humidity	20% ~ 90%RH
Package	Female tag + Male tag, 2000sets/carton
Customized Service	Laser printing, Color

LD-12017A   6g

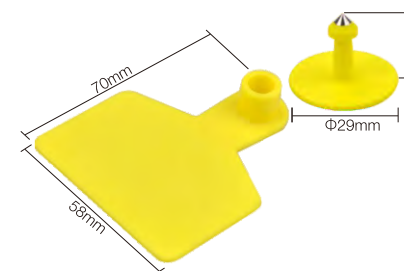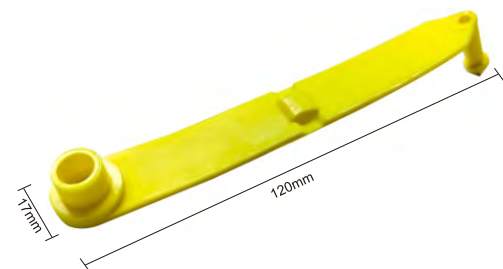| Color	Yellow, other color customized
Material	TPUAAA
Installation	Ear tag plier
Operating Temperature	-20℃~ +80℃
Operating Humidity	20% ~ 90%RH
Package	Female tag + Male tag, 3000sets/carton
Customized Service	Laser printing, Color

Dual Frequency Animal Ear Tag

Protocol	ISO11784/11785 + ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	134.2Khz + Worldwide 840-960Mhz
Data Retention	10 years
Write Endurance	100000 Cycles
Anti-collision	Support multiple tags reading
Customized Service	Laser printing, EPC Pre-written, Color, Chip&Inlay

LDD-8470A   15.5g
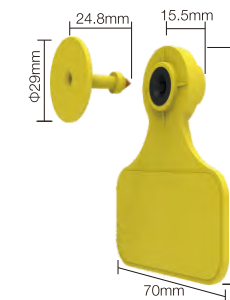
Chip	HDX/FDX + UHF
Read&Write	Supported
Read Range	5-10m adjustable
	50cm(Handheld reader)
Color	Yellow, other color customized
Material	TPUAAA
Installation	Ear tag plier
Package	Female tag + Male tag, 1000sets/carton

Animal Ear Tag Applicator

Ear tag applicator is a pliers to install the ear tag on the pig, sheep, cattle and more. High quality, aluminum alloy material, shell high-grade painting material never rust, durable. Reasonable design according to the human palm, automatic lock , energy saving and easy to operate.

LD-AP01　　　　　　　**340g**

Size	240x65mm
Color	Red
Material	Aluminum alloy
Installation	Attach animal ear tags
Suitable	Female ear tag, male ear tag
Package	OPP bag, carton packing

Animal Ear Tag Remover

Animal Ear Tag Remover is perfect for farm livestock tool identification and removing ear tag. It is also ideal for cutting hay strings. it's a handy, useful tool that remains in pockets and constantly reminds users of Farm Credit with the imprinted logo.

LD-AP01　　　　　　　**30g**

Size	215x6.5mm
Color	Yellow / Blue
Material	Plastic + Metal
Logo	Custom
Usage	Cutting ear tag
Application	Animal husbandry

RFID Stick Reader

This hand-held machine adopts wireless recognition methods and supports electric labels of FDX-B,HDX (ISO11784/85). It has a high luminance LCD (240*320) screen, so it is clear indoors or under strong light outdoors. It can store 20,000 labels, and the users can process the labels on computer, after transferring the data to the computer via a USB data cable or wireless means. This product is stable, simple to use, and suitable for animal management, source tracing, railway patrolling, and other fields of asset management.

LDI-B11

Supported Parameters	FDX-B, HDX
Response Distance	FDX-B: 30mm Ear tag≥30cm(±5cm)　　HDX: 30mm Ear tag≥35cm (±5cm)
Protocol	ISO11784/ISO11785
Reading Time	Around 100ms
Human Machine Interaction	LCD liquid crystal screen, buzzer, vibration motor
Power Supply	7.4V 1800mAH Lithium battery
Consumption	Read: 3.7W Standby: 0.5W
Capacity	20,000 data for reading; 6,000 data for comparing
Battery Life	Can read 10,000 data after fully charged
Communication Interface	USB2.0, 4.2 Bluetooth
Size	670x44x41mm

134.2khz RFID Glass Tag with Syringe

RFID implantable bio glass tag is a mini electronic device dedicated to animal identification and management, it is an electronic ID for animals that can be automatically identified among with various RFID readers. Thus, it makes such as individual screening, data statistics, whereabouts control, automatic feeding and behavior management etc., many animal research, feeding, management, investigation and other work has realized automation and information technologized, the animal tracking management ability will be greatly improved. Glass tube biological electronic tag is suitable for identification of pet dogs, working dogs and husbandry animal. It is made of biochemical medical grade materials and qualified medical grade production processes, full compliance with ISO 11784/85 international standards, it has been used in large numbers domestically and abroad, and it's all-round management to the whole process of animal growth.

LDI-SG001   8.5g

Syringe Size	50 x 120mm
Package Size	90 x 220mm
Packing Material	Medical breathable paper
Syringe Material	Polypropylene
Weight	8.5g
Syringe Color	Customized
Disinfection Method	EO(ethylene oxide)disinfection, valid for five years

LDI-SG002   0.2g
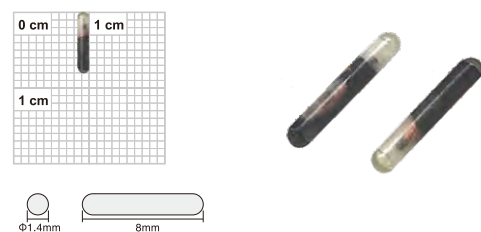
0 cm   1 cm
1 cm
Φ1.4mm   8mm

2x magnification

Chip	EM4305
Working Frequency	134.2 Khz
ISO Standards	ISO 11784/85 (FDX-B)
Read Range	7cm
Material	Glass
Weight	0.2 gram approx.
Package:	100pcs/pack

LDI-SG003   0.3g
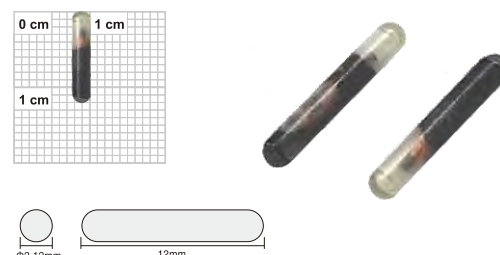
0 cm   1 cm
1 cm
Φ2.12mm   12mm

2x magnification

Chip	EM4305
Working Frequency	134.2 Khz
ISO Standards	ISO 11784/85 (FDX-B)
Read Range	12cm
Material	Glass
Weight	0.3 gram approx.
Package	100pcs/pack

Implant location
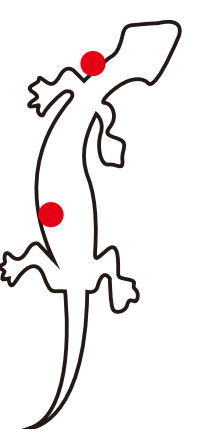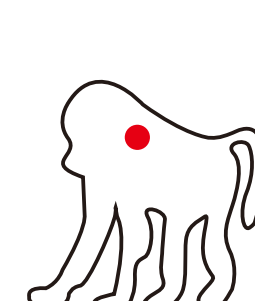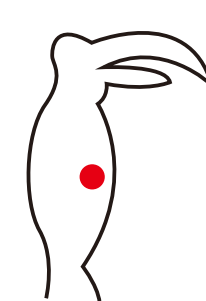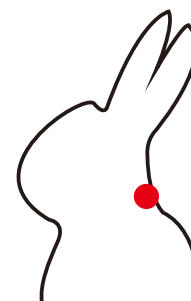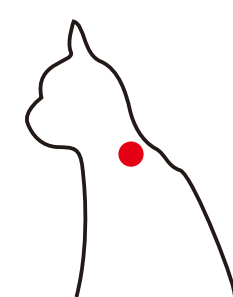
RFID Tag Series

UHF RFID Windshield Tag

1. High recognition performance: UHF frequency band, long-distance high-speed reading.

2. Strong durability: high temperature resistance, UV resistance, suitable for outdoor use.

3. Anti disassembly design: one-time installation, anti transfer.

4. Compatibility: Complies with industry standards.

5. Application scenarios: ETC, Vehicle management, etc.

1. PET,PP,PVC,Or other options

2. Antenna+Chip

3. PET,PP,PETG,PVC Or other options, materials+ printed and barcode

4. PET Protective film

5. Double side adhesive

6. Release paper or tranaparent release film

Protocol	ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	Worldwide 840-960Mhz
Data Retention	10 years
Write Endurance	100000 Cycles
Anti-collision	Support multiple tags reading
Substrate Material	Release paper
Antenna Material	Aluminum etching
Customized	Size / Chip / Antenna / Material / Glue / Printing / Craft

Please see appendix for other sizes (P57)

LDR-10225   102x25mm

Chip	Ucode 9 (Customized)
Memory	EPC96bits / TID48bits / User0bits
Read&Write	Supported
Read Range	1-15m adjustable
Material	PET(Customized)
Encode	Supported
Tamper Proof	Yes
Package	Roll / Single

LDR-6425 — 64x25mm

Chip	Ucode 9 (Customized)
Memory	EPC96bits / TID48bits / User0bits
Read&Write	Supported
Read Range	1-5m adjustable
Material	PET(Customized)
Encode	Supported
Tamper Proof	Yes
Package	Roll / Single

LDR-10035 — 100x35mm
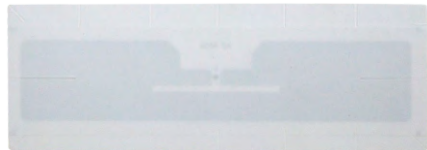
Chip	Ucode 9 (Customized)
Memory	EPC96bits / TID48bits / User0bits
Read&Write	Supported
Read Range	1-15m adjustable
Material	PET(Customized)
Encode	Supported
Tamper Proof	Yes
Package	Roll / Single

LDR-11045 — 110x45mm
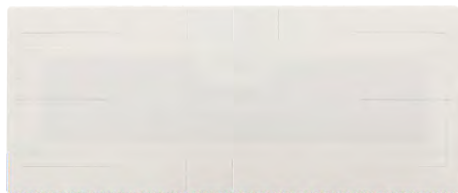
Chip	Ucode 9 (Customized)
Memory	EPC96bits / TID48bits / User0bits
Read&Write	Supported
Read Range	1-15m adjustable
Material	PET(Customized)
Encode	Supported
Tamper Proof	Yes
Package	Roll / Single

LDR-8654LB — 86x54mm

Chip	Ucode 9 (Customized)
Memory	EPC96bits / TID48bits / User0bits
Read&Write	Supported
Read Range	1-15m adjustable
Material	PET(Customized)
Encode	Supported
Tamper Proof	Yes
Package	Roll / Single

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RFID Label / Anti-Metal Tag / Windshield Tag

UHF RFID Tag

1. Compliant with globally recognized standards (ISO 18000-6C/EPC Gen2)
2. The long-range outlier reading ability is significantly better than LF/HF labels.
3. Support dynamic writing and data updates.
4. Paper label rapid printing integration, ultra-low cost, environmentally friendly and sustainable.
5. Commonly used in the retail industry, inventory management, logistics tracking, library management, etc.

4. Release paper or tranaparent release film
3. Double side adhesive
2. Antenna+Chip
1. PET,PP,PVC,Or other options

Protocol	ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	Worldwide 840-960Mhz
Data Retention	10 years
Write Endurance	100000 Cycles
Anti-collision	Support multiple tags reading
Substrate Material	Release paper
Antenna Material	Aluminum etching
Customized	Size / Chip / Antenna / Material / Glue / Printing / Craft

LDR-3030L — 30x30mm

Chip	Ucode 9 (Customized)
Memory	EPC96bits / TID48bits / User0bits
Read&Write	Supported
Read Range	1-3.5m
Material	Coated paper (Customized)
Encode	Supported
Tamper Proof	Yes
Package	2000pcs/roll

LDR-5023L — 50x23mm

Chip	Ucode 9 (Customized)
Memory	EPC96bits / TID48bits / User0bits
Read&Write	Supported
Read Range	1-5m
Material	Coated paper (Customized)
Encode	Supported
Tamper Proof	Yes
Package	2000pcs/roll

LDR-7620L — 76x20mm

Chip	Ucode 9 (Customized)
Memory	EPC96bits / TID48bits / User0bits
Read&Write	Supported
Read Range	1-8m
Material	Coated paper (Customized)
Encode	Supported
Tamper Proof	Yes
Package	2000pcs/roll

LDR-5050L — 50x50mm

Chip	Ucode 9 (Customized)
Memory	EPC96bits / TID48bits / User0bits
Read&Write	Supported
Read Range	1-8m
Material	Coated paper (Customized)
Encode	Supported
Tamper Proof	Yes
Package	2000pcs/roll

LDR-9224L — 92x24mm

Chip	Ucode 9 (Customized)
Memory	EPC96bits / TID48bits / User0bits
Read&Write	Supported
Read Range	1-8m
Material	Coated paper (Customized)
Encode	Supported
Tamper Proof	Yes
Package	2000pcs/roll

UHF RFID Jewelry Tag

1. Meet the latest international standards and apply to more industries and fields

2. The jewelry label uses PET material with smooth surface, waterproof and wear-resistant, and is not easy to tear.

3. The label is small and light, easy to paste, suitable for use in jewelry products.

4. RFID jewelry tags enable second-level inventory and traceability anti-counterfeiting to help enterprises reduce costs.

5. Each piece of jewelry is equipped with a unique RFID tag, and the company can accurately track the inventory.

4. Release paper or tranaparent release film
3. Double side adhesive
2. Antenna+Chip
1. PET,PP,PVC,Or other options

Protocol	ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	Worldwide 840-960Mhz
Data Retention	10 years
Write Endurance	100000 Cycles
Anti-collision	Support multiple tags reading
Substrate Material	Release paper
Antenna Material	Aluminum etching
Customized	Size / Chip / Antenna / Material / Glue / Printing / Craft

Please see appendix for other sizes (P57)

LDR-G201   76x26mm
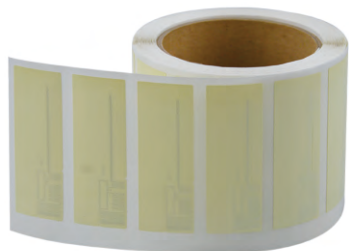
Chip	Ucode 9 (Customized)
Memory	EPC96bits / TID48bits / User0bits
Read&Write	Supported
Read Range	1-5m
Material	PET paper (Customized)
Encode	Supported
Tamper Proof	Yes
Package	2000pcs/roll

UHF RFID Anti-metal Tag

1. Eliminate the interference of metal surfaces on electromagnetic signals through special materials and packaging.

2. Read long-distance, extraordinary non metal resistant tags on metal surfaces.

3. Surface printable, compatible with ISO 18000-6C protocol, operating frequency coverage 902-928Mhz.

4. Multiple tags can be read simultaneously (up to 50 tags per second or more) without being limited by the number of tags.

5. It has waterproof, anti-collision, and wear-resistant characteristics, suitable for industrial manufacturing, logistics transportation, etc.

5. Release paper or tranaparent release film
4. Double side adhesive
3. Anti-metal layer
2. Antenna+Chip
1. PET,PP,PVC,Or other options

Protocol	ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	Worldwide 840-960Mhz
Data Retention	10 years
Write Endurance	100000 Cycles
Anti-collision	Support multiple tags reading
Substrate Material	Release paper
Antenna Material	Aluminum etching
Interlayer Material	Ferrite Anti-metal
Customized	Size / Chip / Antenna / Material / Glue / Printing / Craft

Please see appendix for other sizes (P57)

LDR-8025M   80x25mm

Chip	MR6-P (Customized)
Memory	EPC128bits / TID48bits / User32bits
Read&Write	Supported
Read Range	1-6m
Material	PET paper (Customized)
Encode	Supported
Tamper Proof	Yes
Package	2000pcs/roll

LDR-2020M — 20x20mm

Chip	MR6-P (Customized)
Memory	EPC128bits / TID48bits / User32bits
Read&Write	Supported
Read Range	0.5m
Material	PET paper (Customized)
Encode	Supported
Tamper Proof	Yes
Package	500pcs/roll

LDR-3015M — 30x15mm

Chip	MR6 (Customized)
Memory	EPC96bits / TID48bits / User0bits
Read&Write	Supported
Read Range	1m
Material	PET paper (Customized)
Encode	Supported
Tamper Proof	Yes
Package	500pcs/roll

LDR-4025M — 40x25mm

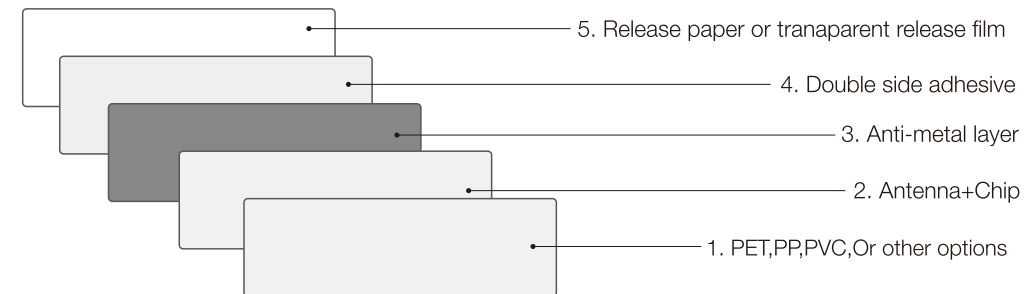|	
Chip	MR6-P (Customized)
Memory	EPC128bits / TID48bits / User32bits
Read&Write	Supported
Read Range	1m
Material	PET paper (Customized)
Encode	Supported
Tamper Proof	Yes
Package	500pcs/roll

LDR-6025M — 60x25mm
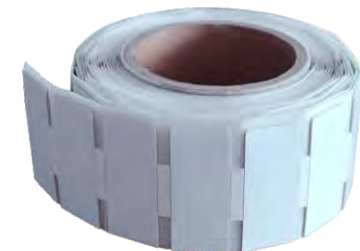
Chip	MR6-P (Customized)
Memory	EPC128bits / TID48bits / User32bits
Read&Write	Supported
Read Range	1-6m
Material	PET paper (Customized)
Encode	Supported
Tamper Proof	Yes
Package	500pcs/roll

PCB UHF RFID Anti-metal Tag

LDR-5313P	LDR-3613P	LDR-2208P
Size: 53x13x3mm	Size: 36x13x3mm	Size: 22x8x3mm
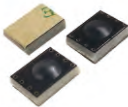
LDR-1309P	LDR-1206P	LDR-1005P	LDR-0904P
Size: 13x9x3mm	Size: 12x6x3mm	Size: 10x5x3mm	Size: 9x4x2mm

RFID Parameters

Model	LDR-5313P	LDR-3613P	LDR-2208P	LDR-1309P	LDR-1206P	LDR-1005P	LDR-0904P
Chip	Ucode 8	Monza 4QT	Ucode 8	Ucode 8	Ucode 8	Ucode 8	Ucode 7M
Read Range	0-5m	0-3m	0-1m	0-0.5m	0-0.5m	0-0.45m	0-0.45m
Memory	Ucode 8: EPC 128bits/TID 48bits /User 0bits; Monza 4QT: EPC 128bits/TID 32bits /User 512bits;						
Protocol	ISO/IEC 18000-6C, EPC Class1 Gen2						
Frequency	Worldwide 840-960Mhz						
Read & Write	Supported						
Data Retention	10 Years						
Write Endurance	100000 Cycles						
Anti-collision	Support multiple tags reading						

Physical Parameters

Substrate Material	Release paper
Antenna Material	Aluminum etching
Surface Material	PCB
Encode	Self adhesive
Installation	Yes
Customized	Chip / Glue / Printing / Size
Package	Single

Protocol	ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	Worldwide 840-960Mhz
Data Retention	10 years
Write Endurance	100000 Cycles
Anti-collision	Support multiple tags reading
Antenna Material	Aluminum etching
Customized	Size / Chip / Antenna / Material / Glue / Printing / Color

LDR-7831M — 78.5x31x8mm

Chip	Ucode8 (Customized)
Memory	EPC128bits / TID48bits / User0bits
Read&Write	Supported
Read Range	1-8m
Material	ABS (Customized)
Installation	Screws and 3M sticker
Package	Single

LDR-7025P — 70x25x5mm

Chip	Ucode8 (Customized)
Memory	EPC128bits / TID48bits / User0bits
Read&Write	Supported
Read Range	1-3m
Material	ABS (Customized)
Installation	Screws and 3M sticker
Package	Single

LDR-13515M — 135x21.5x15mm

Chip	Ucode8 (Customized)
Memory	EPC128bits / TID48bits / User0bits
Read&Write	Supported
Read Range	1-8m
Material	ABS (Customized)
Installation	Screws and 3M sticker
Package	Single

LDR-8520P — 85x20x11mm

Chip	M4QT (Customized)
Memory	EPC128bits / TID32bits / User512bits
Read&Write	Supported
Read Range	1-6m
Material	ABS (Customized)
Installation	Screws and 3M sticker
Package	Single

LDR-15532M — 155x32x12mm

Chip	Ucode8 (Customized)
Memory	EPC128bits / TID48bits / User0bits
Read&Write	Supported
Read Range	1-8m
Material	ABS (Customized)
Installation	Screws and 3M sticker
Package	Single

LDR-8030M — 80x30x4mm

Chip	Ucode8 (Customized)
Memory	EPC128bits / TID48bits / User0bits
Read&Write	Supported
Read Range	1-8m
Material	Acrylic Smooth surface(Customized)
Installation	Screws and 3M sticker
Package	60pcs/box

LDR-25015M — 250x14x17mm

Chip	Ucode8 (Customized)
Memory	EPC128bits / TID48bits / User0bits
Read&Write	Supported
Read Range	1-15m
Material	ABS (Customized)
Installation	Screws and 3M sticker
Package	Single

UHF RFID Clothing Tag

LDR-7015F	LDR-5815F	LDR-3515F
Size: 70x15mm	Size: 58x15mm	Size: 35x15mm

LDR-7015W	LDR-5815W	LDR-8616W
Size: 70x15mm	Size: 58x15mm	Size: 86x16mm

RFID Parameters

Model	LDR-7015F	LDR-5815F	LDR-3515F	LDR-7015W	LDR-5815W	LDR-8616W
Chip	Ucode 9	Ucode 9	Ucode 9	Ucode 8	Ucode 9	Ucode 8
Read Range	0-5m	0-5m	0-4m	0-5m	0-5m	0-7m
Memory	Ucode9: EPC 96bits / TID 48bits / User 0bits; Ucode8: EPC 128bits / TID 48bits / User 0bits					
Protocol	ISO/IEC 18000-6C, EPC Class1 Gen2					
Frequency	Worldwide 840-960Mhz					
Read&Write	Supported					
Data retention	10 Years					
Write endurance	100000 Cycles					

Physical Parameters

Material	Textile
Washing Cycles	200 Cycles
Heat Resistance	-40℃~85℃ （-40~185℉）
Installation	Sewing or insert, Direct thermal glue
Washing	100℃ (212℉), 60mins,120bar
Converter pre drying	180℃, 30mins, 200times
Ironing	185℃ （365℉）, 30mins
Water Extractor Process	60bar

Protocol	ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	Worldwide 840-960Mhz
Data Retention	10 years
Write Endurance	100000 Cycles
Anti-collision	Support multiple tags reading
Customized	Size / Chip / Antenna / Material / Glue / Printing / Craft

Please see appendix for other sizes (P57)

LDR-5035F   50x35mm

Chip	Monza R6 (Customized)
Memory	EPC 96bits / TID 48bits / User 0bits
Read&Write	Supported
Read Range	1-3m
Material	Nylon Fabric
Installation	Screws or insert
Package	Roll / Single

LDR-5230S   52x30mm

Chip	Ucode8 (Customized)
Memory	EPC128bits / TID48bits / User0bits
Read&Write	Supported
Read Range	1-8m
Material	Woven polyester satin ribbon
Installation	Screws or insert
Package	Single

LDR-8535F   85x35mm

Chip	Ucode8 (Customized)
Memory	EPC128bits / TID48bits / User0bits
Read&Write	Supported
Read Range	1-10m
Material	Nylon Fabric
Installation	Screws or insert
Package	Roll / Single

LDR-5512W　　　55x12mm

Chip	Monza 4QT (Customized)
Memory	EPC128bits / TID48bits / User512bits
Read&Write	Supported
Read Range	1-15m
Material	ABS (Customized)
Installation	Sewing or insert
Package	Single

LDR-8737H　　　87x37mm
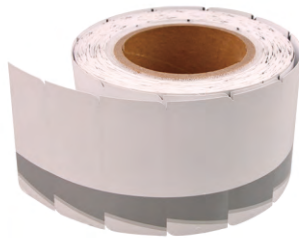
Chip	Impinj M730 (Customized)
Memory	EPC128bits / TID48bits / User96bits
Read&Write	Supported
Read Range	1-10m
Material	Coated paper
Installation	Hang with string
Package	Roll / Single

LDR-9040H　　　90x40mm

Chip	Ucode 8 (Customized)
Memory	EPC128bits / TID48bits / User0bits
Read&Write	Supported
Read Range	1-10m
Material	Coated paper
Installation	Hang with string
Package	Roll / Single

LDR-D18P　　　Dia18x2.8mm

Chip	Ucode 8 (Customized)
Memory	EPC128bits / TID48bits / User0bits
Read&Write	Supported
Read Range	0-0.5m
Material	PPS
Installation	Sewing
Package	Antistatic bag and carton

1. Sewing labels
Connect with system
2.
RFID Reader
3.
TCP/IP
Data file process
4. Pick up passageway

NFC Tag Series

1. The high-frequency label works at 13.56MHz. Ensure that data is transmitted only between devices in the near distance .
2. Support ISO 14443, ISO 15693 and other international standards, suitable for a wide range of devices .
3. HF RFID reading distance is moderate (0-10cm), data transmission rate is fast, and has strong anti-interference ability and security.
4. Can composite high-frequency inlay, RFID tags, anti metal tags, etc., can be customized with various sizes, chips, materials, etc.
5. Suitable for smart home control, mobile payment, access control, enterprise anti-counterfeiting traceability and other fields .

4. Release Paper
3. Double Side Adhesive
2. Antenna+Chip
1. PET, PP, Coated paper, Or Other Options

Protocol	ISO/IEC 14443A
Frequency	Worldwide 13.56Mhz
Data Retention	10 years
Write Endurance	100000 Cycles
Encode	Supported
Substrate Material	Release paper
Antenna Material	Aluminum etching
Customized	Size / Chip / Antenna / Material / Glue / Printing / Craft

Please see appendix for other sizes (P57)

LDF-2012L 20x12mm

Chip	Ntag@213 (Customized)
Memory	UID 7Byte / User 144Byte
Read&Write	Supported
Read Range	0-10cm
Material	Coated Paper (Customized)
Installation	Self adhesive
Package	2000pcs/roll

LDF-4025L 40x25mm
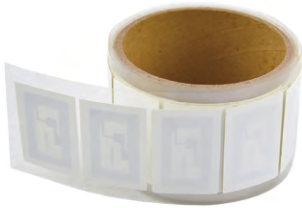
Chip	Ntag@213 (Customized)
Memory	UID 7Byte / User 144Byte
Read&Write	Supported
Read Range	0-10cm
Material	Coated Paper (Customized)
Installation	Self adhesive
Package	2000pcs/roll

LDF-D20L Φ20mm

Chip	Ntag@213 (Customized)
Memory	UID 7Byte / User 144Byte
Read&Write	Supported
Read Range	0-10cm
Material	Coated Paper (Customized)
Installation	Self adhesive
Package	2000pcs/roll

LDF-D25L Φ25mm

Chip	Ntag@213 (Customized)
Memory	UID 7Byte / User 144Byte
Read&Write	Supported
Read Range	0-10cm
Material	Coated Paper (Customized)
Installation	Self adhesive
Package	2000pcs/roll

LDF-D35L Φ35mm

Chip	Ntag@213 (Customized)
Memory	UID 7Byte / User 144Byte
Read&Write	Supported
Read Range	0-10cm
Material	Coated Paper (Customized)
Installation	Self adhesive
Package	2000pcs/roll

NFC Anti-metal Tag Series

1. The high-frequency label works at 13.56MHz. Ensure that data is transmitted only between devices in the near distance ⓘ
2. Support ISO 14443, ISO 15693 and other international standards, suitable for a wide range of devices ⓘ
3. HF RFID reading distance is moderate (0-10cm), data transmission rate is fast, and has strong anti-interference ability and security.
4. Can composite high-frequency inlay, RFID tags, anti metal tags, etc., can be customized with various sizes, chips, materials, etc.
5. Suitable for smart home control, mobile payment, access control, enterprise anti-counterfeiting traceability and other fields ⓘ

4. Release Paper
4. Double Side Adhesive
3. Anti-metal layer
2. Antenna+Chip
1. PET, PP, Coated paper, Or Other Options

| Protocol	ISO/IEC 14443A
Frequency	Worldwide 13.56Mhz
Data Retention	10 years
Write Endurance	100000 Cycles
Encode	Supported
Substrate Material	Anti-metal Ferrite + Release paper
Antenna Material	Aluminum etching
Customized	Size / Chip / Antenna / Material / Glue / Printing / Craft

Please see appendix for other sizes (P57)

LDF-D25M   Φ25mm

Chip	Ntag@213 (Customized)
Memory	UID 7Byte / User 144Byte
Read&Write	Supported
Read Range	0-10cm
Material	PET Paper (Customized)
Installation	Self adhesive
Package	2000pcs/roll

LDF-35M   Φ35mm

Chip	Ntag@213 (Customized)
Memory	UID 7Byte / User 144Byte
Read&Write	Supported
Read Range	0-10cm
Material	Coated Paper (Customized)
Installation	Self adhesive
Package	2000pcs/roll

LDF-4545M   45x45mm

Chip	Ntag@213 (Customized)
Memory	UID 7Byte / User 144Byte
Read&Write	Supported
Read Range	0-10cm
Material	Coated Paper (Customized)
Installation	Self adhesive
Package	2000pcs/roll

LDF-4530M   45x30mm

Chip	Ntag@213 (Customized)
Memory	UID 7Byte / User 144Byte
Read&Write	Supported
Read Range	0-10cm
Material	Coated Paper (Customized)
Installation	Self adhesive
Package	2000pcs/roll

LDF-8060M   80x60mm

Chip	Ntag@213 (Customized)
Memory	UID 7Byte / User 144Byte
Read&Write	Supported
Read Range	0-10cm
Material	Coated Paper (Customized)
Installation	Self adhesive
Package	2000pcs/roll

RFID Libary Tag Series

LDF-5050L	LDF-8654L	LDR-D39L

Please see appendix for other sizes (P57)

4. Release paper or tranaparent release film
3. Double side adhesive
2. Antenna+Chip
1. PET,PP,PVC,Or other options
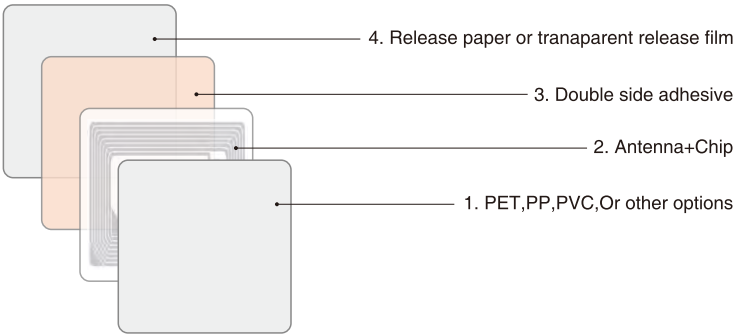
RFID Parameters

Model	LDF-5050L	LDF-8654L	LDR-D39L
Chip	ICODE@SLIX (Customized)	ICODE@SLIX (Customized)	Impinj Monza4E (Customized)
Read Range	0-8cm	0-20cm	0-1.5m
Memory	UID 8Byte /User 1024bits	UID 8Byte /User 1024bits	EPC 128bits/TID 32bits /User 512bits
Protocol	ISO/IEC 15693 & 18000-3	ISO/IEC 15693 & 18000-3	ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	Worldwide 13.56Mhz	Worldwide 13.56Mhz	Worldwide 840-960Mhz
Read & Write	Supported		
Data Retention	10 Years		
Write Endurance	100000 Cycles		

Physical Parameters

Surface Material	Coated paper(Customized)
Antenna Material	Aluminum etching
Substrate Material	Release paper
Encode	Yes
Installation	Self adhesive
Customized	Chip / Antenna / Material / Glue / Printing / Craft
Package	Roll / Single

UHF RFID Sport Tag Series

LDR-10027LF	LDR-11520LF	LDR-10030LF

Please see appendix for other sizes (P57)

4. Release paper or tranaparent release film
3. Double side adhesive
2. Antenna+Chip
1. Foam (Thermal transfer, direct thermal customized)
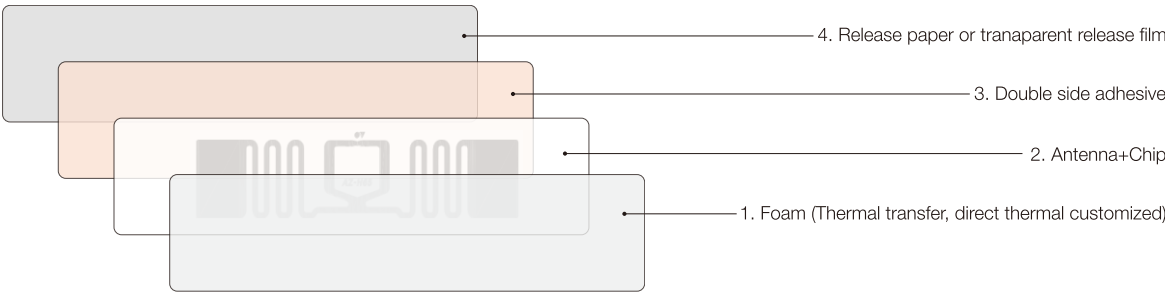
RFID Parameters

Model	LDF-10027LF	LDF-11520LF	LDR-10030LF
Chip	Monza R6-P (Customized)	Monza R6-P (Customized)	Impinj Monza4E (Customized)
Read Range	1-7m	0-20cm	0-1.5m
Memory	EPC 128bits / TID 96bits / User 64bits	EPC 128bits / TID 96bits / User 64bits	EPC 496bits / TID 48bits /User 128bits
Protocol	ISO/IEC 15693 & 18000-3	ISO/IEC 15693 & 18000-3	ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	Worldwide 13.56Mhz	Worldwide 13.56Mhz	Worldwide 840-960Mhz
Read & Write	Supported		
Data Retention	10 Years		
Write Endurance	100000 Cycles		

Physical Parameters

Surface Material	Foam
Antenna Material	Aluminum etching
Substrate Material	Release paper
Encode	Yes
Installation	Self adhesive
Customized	Chip / Antenna / Material / Glue / Printing / Craft
Package	Roll / Single

RFID Special Tag Series

1. UHF RFID tag working frequency is 860-960MHz, support 3-10 meters long distance identification and high-speed batch reading.
2. Hard labels can be applied in many industries, such as warehousing, logistics, medical record management, jewelry management, etc.
3. The hard label is usually packaged in a hard protective shell with pressure resistance, water resistance and high temperature resistance.
4. Built-in high-performance antenna, strong signal penetration and anti-interference ability, suitable for indoor or outdoor harsh environment.

Protocol	ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	Worldwide 840-960Mhz
Data Retention	10 years
Write Endurance	100000 Cycles
Anti-collision	Support multiple tags reading
Antenna Material	Aluminum etching
Encode	Supported
Customized	Size / Chip / Antenna / Material / Glue / Printing / Color

LDR-4122N Φ22x41mm

Chip	Ucode8 (Customized)
Memory	EPC128bits / TID48bits / User0bits
Read&Write	Supported
Read Range	0-30cm
Installation	Inset
Material	ABS
Weight	1.73g / pc
Package	Single

LDR-4128N Φ28x41mm

Chip	Ucode8 (Customized)
Memory	EPC128bits / TID48bits / User0bits
Read&Write	Supported
Read Range	0-80cm
Installation	Inset
Material	ABS
Weight	2.5g / pc
Package	Single

LDR-TZ01 92x28x3.6mm

Total length: 448mm

Chip	Ucode9 (Customized)
Memory	EPC96bits / TID48bits / User0bits
Read&Write	Supported
Read Range	0-5m
Installation	Zip Tie Seal
Material	ABS + Nylon
Weight	10.3g / pc
Package	50pcs/bag

LDR-TZ02 72x28x3.6mm

Chip	Ucode9 (Customized)
Memory	EPC96bits / TID48bits / User0bits
Read&Write	Supported
Read Range	0-1m
Installation	Zip Tie Seal
Material	ABS + Nylon
Weight	10.3g / pc
Package	50pcs/bag

LDR-TZ03 72x28x18mm

Chip	Monza MR6 (Customized)
Memory	EPC 96bits / TID 48bits / User 0bits
Read&Write	Supported
Read Range	0-4m
Installation	Clip / Clamp
Material	ABS
Weight	10g / pc
Package	100pcs/bag

LDR-TZ04 28x78x3.6mm

Chip	Ucode8 (Customized)
Memory	EPC 128bits / TID 48bits / User 0bits
Read&Write	Supported
Read Range	0-3m
Installation	Zip Tie Seal
Material	ABS + Nylon
Weight	11.1g / pc
Package	50pcs/bag

LD-AC61 2.4G Active RFID Acousto-optic Tag With Light & Sound

Features

1. Reading and writing speed: Compared with barcodes, it does not require straight line alignment for scanning, and has faster reading and writing speed. It can recognize multiple targets and motion.
2. Security: Anti tampering, encryption algorithms and authentication ensure data security, prevent link eavesdropping and data cracking, more durable.
3. Specialized chips, unique serial numbers, and difficult to replicate. Durable without mechanical failure, fully sealed structure resistant to harsh environments.
4. Tag ID number: 10 bytes;
5. Tag type: read-only;
6. Usage duration: Large battery capacity, long service life;
7. Waterproof grade: IP54
8. Reading distance: far reading distance;
9. Anti duplication: Advanced anti-collision technology can simultaneously recognize more than 200 tags;
10. High speed recognition: The maximum recognition speed can reach 60 kilometers per hour;
11. High anti-interference ability: no special requirements for various interference sources on site;
12. Anti electromagnetic interference: 10V/m0.1~1000MHz AM amplitude modulated electromagnetic waves;
13. Installation method: Can be carried around or placed in a car;

Parameter

Size	86mm×26mm×9.5mm
Material	ABS
Weight	18g
Working humidity	<95%
Operation temperature	-20 ~ 65℃
Storage temperature	-20 ~ 70℃
Static current	<5uA
Working voltage	3.7V
Battery	2000mA
Working current	12mA (pulse mode)
Battery usage	5 months
Collision ability	>2000PCS
Reading method	Read-only nature
Transmission power	4dBm (factory setting)
Recognized distance	30 meters visible distance
Light search function	Yes (color adjustable)
Horn alarm function	Have

LD-AC66 2.4G Active RFID Acousto-optic Tag With Light & Sound Clip

Features

1. Reading and writing speed: Compared with barcodes, it does not require straight line alignment for scanning, and has faster reading and writing speed. It can recognize multiple targets and motion.
2. Security: Encryption algorithms and authentication to prevent link eavesdropping and data cracking.
3. Specialized chips, unique serial numbers, and difficult to replicate. Durability without mechanical failure.
4. Tag ID number: 10 bytes;
5. Label type: read-only;
6. Duration of use: With a large battery capacity, it can be recharged repeatedly;
7. Reading distance: The reading distance is far;
8. Anti collision capability: Advanced anti-collision technology can simultaneously recognize more than 200 tags;
9. High speed recognition: The maximum recognition speed can reach 50 kilometers per hour;
10. High anti-interference ability: No special requirements for various interference sources on site;
11. Anti electromagnetic interference: 10V/m0.1~1000MHz AM amplitude modulated electromagnetic waves;
12. Installation method: clamp fixed items;

Parameter

Size	56mm×31mm×31mm
Material	ABS
Weight	17g
Working humidity	<85%
Operation temperature	-15 ~ 55℃
Storage temperature	-20 ~ 60℃
Static current	<5uA
Working voltage	3V
Battery	Cr2450
Working current	12mA (pulse mode)
Signal interval	Every 3 seconds
Collision ability	>2000PCS
Reading method	Read-only nature
Transmission power	4dBm (factory setting)
Recognized distance	30 meters visible distance
Light search function	Yes (color adjustable)
Horn alarm function	have
Usage time	1 year

Inlay Series (Dry Inlay + Wet Inlay)

1. inlay is the core material of smart card and electronic tag. It consists of chip and antenna and is packaged in PET material .

2. The antenna material has copper etching and aluminum processes, and the packaging process involves the difference between dry and wet .

3. Dry Inlay: no back glue, secondary packaging is required; Wet Inlay: with adhesive layer, can be directly attached to the surface .

4. HF and UHF refer to the frequency range of Inlay's operation, which is 13.56MHz for high frequency and 860-916MHz for ultra-high frequency

5. HF is suitable for water-containing objects with short reading distance, while UHF is far from reading distance, suitable for logistics and retail.

Protocol	ISO/IEC 14443A /ISO15693	ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	Worldwide 13.56Mhz	Worldwide 840-960Mhz
Data Retention	10 years	
Write Endurance	100000 Cycles	
Anti-collision	Support multiple tags reading	
Antenna Material	Aluminum etching	
Encode	Supported	
Customized	Size / Chip / Antenna / Material / Glue / Printing	

Other sizes can be customized

HF Inlay List

To learn more about High frequency inlay, please contact us

No.	Frequency	Protocol	Chip	Dry inlay size	Wet inlay Size	Antenna Shape	Read Range
1	HF	ISO15693/ ISO14443A	NXP Ultralight/ Fm1108/ ICODE SLI/ ICODE SLI-X	45x76mm	85.5x54mm		4.5-8cm
2	HF	ISO15693	ICODE SLI/ ICODE SLI-X	60x30mm	63x33mm		8-15cm
3	HF	ISO15693/ ISO14443A	Ultralight / F08 / ICODE SLI/ ICODE SLI-X	52x15mm	55x18mm		3.5-5cm
4	HF	ISO15693	ICODE SLI/ ICODE SLI-X	45x45mm	50x50mm		8-15cm
5	HF	ISO14443A	Ultralight/F08/ Desfire 4K	40x40mm	45x45mm		3.5-8cm
6	HF	ISO14443A	Ultralight/F08	22.5x38mm	26x41mm		3.5-5.5cm

No.	Frequency	Protocol	Chip	Dry inlay size	Wet inlay Size	Antenna Shape	Read Range
7	HF	ISO15693	ICODE SLI/ ICODE SLI-X	11x26mm	15x30mm		2.5-4.5cm
8	HF	ISO15693/ ISO14443A	Ultralight / F08 / ICODE SLI/ ICODE SLI-X	Φ25mm	Φ28mm		1.5-3cm
9	HF	ISO14443A	NXP Ultralight/ Fm08	Φ22mm	Φ25mm		1.5-3cm
10	HF	ISO14443A	NTAG213	Φ21mm	Φ25mm		1.5-3cm
11	HF	ISO15693/ ISO14443A	Ultralight / F08 / ICODE SLI/ ICODE SLI-X	Φ20mm	Φ23mm		1.5cm
12	HF	ISO14443A	NXP S50 / Ultralight / FM08	Φ30mm	Φ33mm		4-5cm
13	HF	ISO15693	ICODE SLI/ ICODE SLI-X	22x35mm	25x40mm		4-6cm
14	HF	ISO15693/ ISO14443A	Ultralight / F08 / ICODE SLI/ ICODE SLI-X	Φ33mm	Φ40mm		3-6cm
15	HF	ISO14443A	NTAG213	40x40mm	45x45mm		2-5cm

UHF Inlay List

To learn more about Ultra High Frequency inlay, please contact us

No.	Chip	Antenna Size	Antenna Shape	Read Range(4w)	Main Application
1	M730/MR6-P	22x8mm		865Mhz: 1.55m 920Mhz: 1.78m	Retail
2	M730/MR6-P	21x7mm		865Mhz: 1.33m 920Mhz: 1.55m	Retail

NO.	Chip	Antenna Size	Antenna Shape	Read Range(4w)	Main Application
3	M730/MR6-P	27x9.7mm		865Mhz: 1m 920Mhz: 2.22m	Retail
4	M730/MR6-P	26x16mm		865Mhz: Null 920Mhz: 1.51m	Retail
5	M730/MR6-P	27x14mm		865Mhz: 1.11m 920Mhz: 2.33m	Jewelry
6	M730/MR6-P	30x15mm		865Mhz: 2.47m 920Mhz: 5.58m	Retail
7	M730/MR6-P	40x10mm		865Mhz: 1.79m 920Mhz: 4.60m	Retail
8	M730/MR6-P	45.45x10.33mm		865Mhz: 3.55m 920Mhz: 9.77m	Apparel/Retail
9	M730/MR6-P	40x15mm		865Mhz: 3.2m 920Mhz: 7m	Apparel/Retail
10	M730/MR6-P	42x16mm		865Mhz: 5.55m 920Mhz: 6.88m	Retail/Shoes
11	M730/MR6-P	50x30mm		865Mhz: 8.44m 920Mhz: 16.32m	Apparel/Retail
12	M730/MR6-P	50x30mm		865Mhz: 4m 920Mhz: 12.32m	Apparel/Retail
13	M730/MR6-P	70x14mm		865Mhz: 2.98m 920Mhz: 11.77m	Apparel/Retail
14	M730/MR6-P	70x14mm		865Mhz: 11.54m 920Mhz: 16.1m	Apparel/Retail
15	M730/MR6-P	14x27mm		865Mhz: 1m 920Mhz: 2.33m	Jewelry
16	M730/MR6-P	42x11.5mm		865Mhz: 3m 920Mhz: 8.5m	Jewelry

No.	Chip	Antenna Size	Antenna Shape	Read Range(4w)	Main Application
17	U Code8	33x14mm		865Mhz: 3.19m 920Mhz: 8.19m	Retail
18	U Code8	40x28mm		865Mhz: 5.5m 920Mhz: 13.4m	Flag Tag
19	U Code8	40x15mm		865Mhz: 3.44m 920Mhz: 12.65m	Apparel/Retail
20	U Code8	42x16mm		865Mhz: 4.77m 920Mhz: 12.21m	Retail/Shoes
21	U Code8	46x1.5mm			Retail
22	U Code8	50x30mm		865Mhz: 6.77m 920Mhz: 19.65m	Retail/Shoes
23	U Code9	16x42mm		865Mhz: 9m 920Mhz: 16m	Retail/Shoes
24	U Code9	30x50mm		865Mhz: 6m 920Mhz: 20m	Retail/Shoes
25	U Code9	14x70mm		865Mhz: 7.1m 920Mhz: 17m	Retail/Shoes
26	M730/MR6-P	27x10mm		865Mhz: 2.89m 920Mhz: 4.33m	Retail
27	M730/MR6-P	30x15mm		865Mhz: 4.22m 920Mhz: 6.88m	Retail
28	M730/MR6-P	40x15mm		865Mhz: 6.22m 920Mhz: 8.99m	Apparel/Retail
29	M730/MR6-P	42x16mm		865Mhz: 6.88m 920Mhz: 9.55m	Apparel/Retail
30	M730/MR6-P	44x28mm		865Mhz: 10.21m 920Mhz: 10.66m	Apparel/Retail

RFID Wristband

01 Disposable Wristband

02 Nylon Wristband

03 Silicone Wristband

Disposable RFID Wristband

1. Leadercolor wristbands are divided into three categories: disposable wristbands, nylon wristbands and silicone wristbands

2. Disposable wristbands are easy to wear, easy to use, waterproof, moisture-proof, shock-proof and high temperature resistant.

3. Nylon wristband is composed of nylon watch band + drip card. The watch band is made of all-nylon material, beautiful and durable, easy to use.

4. Silicone wristband made of silicone material, there're various sizes of closed-loop wristband, adjustable tightness of the watch buckle wristband.

5. Widely used in campus, amusement park, bus, community access control, field work and other extremely humid environment

Protocol	ISO/IEC 14443A	ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	Worldwide 13.56Mhz	Worldwide 840-960Mhz
Data Retention	10 years	
Write Endurance	100000 Cycles	
Antenna Material	Aluminum etching	
Encode	Supported	
Customized	Size / Chip / Antenna / Material / Glue / Printing / Color	

Other sizes can be customized

LDF-25425B 254x25mm

Chip	MIFARE Classic® 1K (Customized)
Memory	UID 4/7Byte / User 1K Byte
Read&Write	Supported
Read Range	0-10cm
Material	PP Paper (Customized)
Installation	Self adhesive
Package	500pcs/roll

LDF-25525B 255x25mm

Chip	MIFARE Classic® 1K (Customized)
Memory	UID 4/7Byte / User 1K Byte
Read&Write	Supported
Read Range	0-10cm
Material	Dupont Paper (Customized)
Installation	Self adhesive
Package	Single

LDF-35025B — 350x25mm

Chip	Ucode8 (Customized)
Memory	EPC 128bits / TID 48bits / User 0bits
Read&Write	Supported
Read Range	0-10m
Material	PET Paper (Customized)
Installation	Self adhesive
Package	500pcs/roll

LDF-37025B — 370x25mm

Chip	Ucode8 (Customized)
Memory	EPC 128bits / TID 48bits / User 0bits
Read&Write	Supported
Read Range	0-10m
Material	PET Paper (Customized)
Installation	Self adhesive
Package	500pcs/roll

LD-25025B — 250x25mm

Chip	No
Memory	No
Material	PP Paper (Customized)
Operating Temperature	-30℃ ~ +75℃
Operating humidity	20%~90%RH
Installation	Button
Package	100pcs/bag

LDF-25525B — 255x25mm

Chip	No
Memory	No
Material	PVC Paper (Customized)
Operating Temperature	-30℃ ~ +75℃
Operating humidity	20%~90%RH
Installation	Button
Package	100pcs/bag

Nylon RFID Wristband

LDF-35016BN Nylon RFID Wristband is compatible of ISO14443A with read range 10cm. It is made of Nylon material which is waterproof, durable and easily wear on wrist. It is widely used in school and amusement park as ticket.

Protocol	ISO / IEC 14443 A
Frequency	13.56Mhz
Data retention	10years
Programming Cycles	100,000 cycles
Color	Blue/Green/Red/Orange/Purple/Black/White(or Customized)
Encode	Supported
Installation	Wrist
Operating temperature	-30° C~+75° C
Operating humidity	20% ~ 90%RH
Customized	Chip / Antenna / Material / Color

Other sizes can be customized

LDF-25425B — 350x16mm

Chip	MIFARE Classic® 1K (Customized)
Memory	UID 4/7Byte / User 1K Byte
Read&Write	Supported
Read Range	0-10cm
Material	Nylon wristband + RFID epoxy card
Installation	Wrist
Package	Single

LDF-B82

Chip	MIFARE Classic® 1K (Customized)
Memory	UID 4/7Byte / User 1K Byte
Read&Write	Supported
Read Range	0-10cm
Material	Embroidery label
Installation	Wrist
Package	Single

Silicone RFID Wristband

RFID Silicone Wristband is compatible of ISO14443A with read range 10cm. It is made of silicone material which is flexible, waterproof and able to wear on wrist easily and comfortable. It is widely used in school, Amusement park and Hospital.

Protocol	ISO/IEC 14443A	ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	Worldwide 13.56Mhz	Worldwide 840-960Mhz
Data Retention	10 years	
Write Endurance	100000 Cycles	
Antenna Material	Aluminum etching	
Encode	Supported	
Customized	Size / Chip / Antenna / Material / Printing / Color	

Other sizes can be customized

LDF-B05 / B07   Φ45/Φ50/Φ60mm

Chip	MIFARE Classic® 1K (Customized)
Memory	UID 4/7Byte / User 1K Byte
Read&Write	Supported
Read Range	0-10cm
Material	Silicone
Installation	Watch type
Package	Single

LDF-B08   235x17x6mm

Chip	MIFARE Classic® 1K (Customized)
Memory	UID 4/7Byte / User 1K Byte
Read&Write	Supported
Read Range	0-10cm
Material	Silicone
Installation	Watch type
Package	Single

LDF-B01   Φ50/Φ55/Φ60/Φ65/Φ74mm

Chip	MIFARE Classic® 1K (Customized)
Memory	UID 4/7Byte / User 1K Byte
Read&Write	Supported
Read Range	0-10cm
Material	Silicone
Installation	Watch type
Package	Single

LDF-B13   Φ50/Φ62mm

Chip	MIFARE Classic® 1K (Customized)
Memory	UID 4/7Byte / User 1K Byte
Read&Write	Supported
Read Range	0-10cm
Material	Silicone
Installation	Watch type
Package	Single

LDF-B04   183/195/215mm

Chip	MIFARE Classic® 1K (Customized)
Memory	UID 4/7Byte / User 1K Byte
Read&Write	Supported
Read Range	0-10cm
Material	Silicone
Installation	Watch type
Package	Single

LDF-25535BS   255x35mm

Chip	MIFARE Classic® 1K (Customized)
Memory	UID 4/7Byte / User 1K Byte
Read&Write	Supported
Read Range	0-10cm
Material	Silicone
Installation	Watch type
Package	Single

RFID Smart Card

NFC Epoxy Tag

LDF-4030E	LDF-4525E	LDF-4530E

LDF-D30E / LDF-D40E	LDF-D35EC	LDF-D25EM

RFID Parameters

Protocol	ISO/IEC 14443A
Frequency	Worldwide 13.56Mhz
Chip	Ntag213 (Customized)
Memory	UID 7Byte 、 User 144Byte (Depend on the chip)
Read&Write	Supported
Read range	0.1-10cm adjustable (Reader and environment dependent)
Data retention	10 Years
Write endurance	100000 Cycles

Physical Parameters

Size	Customized
Substrate material	Release paper
Antenna material	Aluminum etching
Surface material	PVC + Epoxy
Encode	Supported
Operating temperature	-20℃~+80℃
Customized	Chip / Antenna / Material / Printing / Craft
Package	100pcs/bag 1000pcs/carton

RFID Keyfob Tag

LDF-TK03	4.8g	LDF-TK04	5.3g	LDF-TK06	4.8g

LDI-TK02	4.8g	LDR-TK01	5.2g	LDR-TK07	6.2g

RFID Parameters

Protocol	ISO/IEC 14443A	ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	Worldwide 13.56Mhz	Worldwide 840-960Mhz
Chip	Compatible MIFARE Classic®1K (Customized)	
Memory	UID 4/7Byte 、User 1K Byte (Depend on the chip)	
Read&Write	Supported	
Read range	0.1-10cm adjustable (Reader and environment dependent)	
Data retention	10 Years	
Write endurance	100000 Cycles	

Physical Parameters

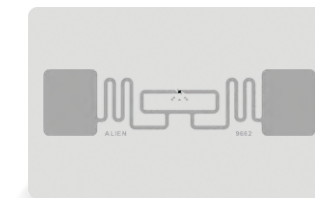| Size	Customized
Color	Black, Blue, Red, Yellow (Customized)
Antenna material	Aluminum etching
Surface material	ABS Waterproof
Encode	Supported
Operating temperature	-20℃~+80℃
Customized	Chip / Antenna / Printing /Color
Package	100pcs/bag 1000pcs/carton

RFID Smart Card

125Khz	13.56Mhz	860~960Mhz

Application	Hotel	Ticket	Employee	Game	VIP	Library	Exibition	Parking
Protocol	125Khz	13.56Mhz	13.56Mhz	13.56Mhz	13.56Mhz	13.56Mhz	860-960Mhz	860-960Mhz
Frequency	ISO/IEC11784/85	ISO/IEC 14443A	ISO/IEC 14443A	ISO/IEC 14443A	ISO/IEC 14443A	ISO / IEC 15693	EPC Class1 Gen2	EPC Class1 Gen2
Chip	TK4100	Mifare Ultralight	Mifare 4K	Mifare 1K	Ntag 213	ICODE SLIX	U8	U8
Material	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC
Anti-collision	No	No	No	No	No	Yes	Yes	Yes

★ Customized Service   ★ Non-standard Size   ★ Hologram, Holographic stamp   ★ Pre-punch / Punch hole
★ Encoding / Numbering   ★ Barcode, Photo   ★ Magnetic stripe   ★ Signature panel

Package

200pcs/box, 2000pcs/carton, G.W: 13kg, Carton size: 48x23x13.5cm
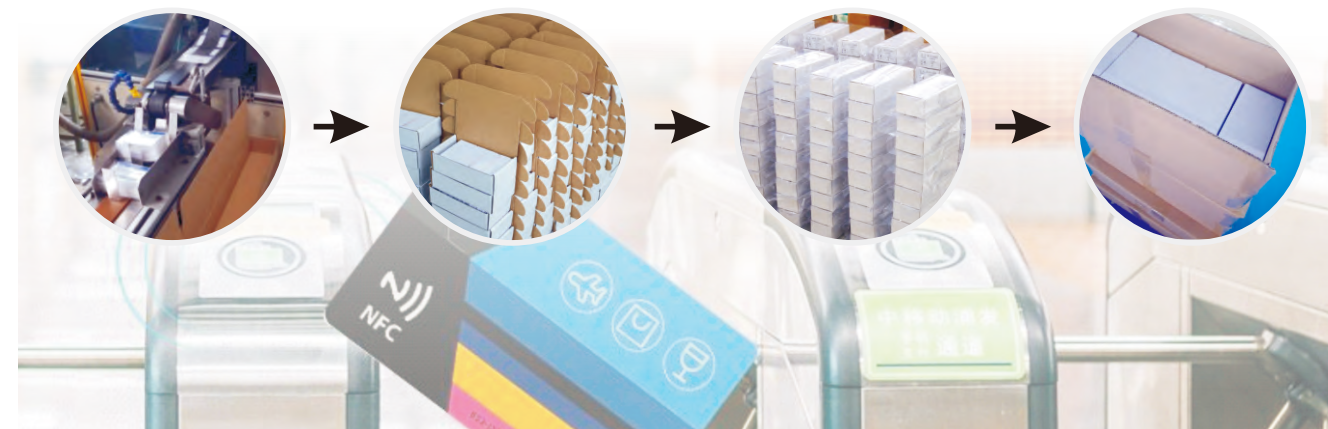
RFID Reader

01 UHF RFID Reader

02 HF RFID Reader

03 LF RFID Reader

04 UHF RFID Antenna

05 UHF RFID Module

UHF RFID Reader

LDR-RD01	0.18kg
Size: 105x70x11mm	

LDR-RD02	0.52kg
Size: 160x110x40mm	

LDR-RD04	0.98kg
Size: 160x110x40mm	

LDR-RI01(US)	1.74kg
Size: 235x235x57mm	

LDR-RI01W(US)	1.75kg
Size: 235x235x57mm	

LDR-RI01RJ(US)	1.75kg
Size: 235x235x57mm	

LDR-RI01(EU)	2.28kg
Size: 260x260x45mm	

LDR-RI01W(EU)	2.29kg
Size: 260x260x45mm	

LDR-RI01RJ(EU)	2.29kg
Size: 260x260x45mm	

LDR-RI02(US/EU)	4.8kg
Size: 445x445x55mm	

LDR-RI02W(US/EU)	4.8kg
Size: 445x445x55mm	

LDR-RI02RJ(US/EU)	4.8kg
Size: 445x445x55mm	

LDR-U72S	1.36kg
Size: 178x83x17mm	

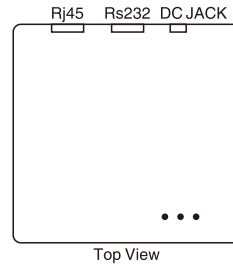| LDR-G02	24kg(1panel)
Size: 1590x400x50mm	

Please refer to the specification for the detailed parameters of the product

HF RFID Reader

LDF-1036USB	LDF-7036SRIP
Size: 105x70x11mm	Size: 123x94x29mm

Rj45 Rs232 DC JACK

• • •

Top View

PRODUCT FEATURES (LDF-7036SRIP)

1. Support mainstream ISO/IEC15693, ISO14443TypeA/TypeB protocol tag (TI, PHILIPS, ST, INFINEON, FUJITSU, EM…);

2. Advanced tag processing algorithm,high identification rate;

3. Built-in TX/RX antenna with effective distance up to 100mm*;

4. Support Transparent Command operation ;

5. Low power dissipation design with single DC+12V power source needed;

6. Support TCP/IP and RS232 interface and provide DLL and demonstration software to facilitate development;

7. Provide DLL and demonstration software to facilitate development.

CHARACTERISTICS

Absolute Maximum Rating

ITEM	SYMBOL	VALUE	UNIT
Power Supply	VCC	12	V
Operating Temp.	T_{OPR}	-10~+60	°C
Storage Temp.	T_{STR}	-25~+80	°C

Electrical and Mechanical Specification
Under TA＝25℃，VCC＝+12V unless specified

ITEM	SYMBOL	VALUE	UNIT
Power Supply	VCC	12	V
Operating Temp.	T_{OPR}	-10~+60	°C
Storage Temp.	T_{STR}	-25~+80	°C
Storage Temp.	T_{STR}	-25~+80	°C

*Effective distance depends on tag and working environment
Remark:

1. Specifications are subject to change, please pay attention to our latest one.
2. Leadercolr reserves the right to the final interpretation of the above terms.

LF RFID Reader

LDI-A04	LDI-B11

INTRODUCTION

This is Long-distance ISO11784/11785 reader, This reader supporting animal ear tags using the reading distance is 45cm±10%.

PRODUCT FEATURES (LDI-A04)

1. Support read operations on the Em4305, S256, T5577 according to ISO11784/ISO11785;

2. Support ISO11784/5 Standard;

3. Size: 260mm x 260mm x 35mm;

4. Operating voltage: 15V-DC, operating current: <150mA;

5. UART, Rs232, RS485 Multiple interfaces can be options;

6. Long-distance: Read LF Animal tag more than 40cm;

7. High stability: can automatically adapt to the environment;

8. High reliability: ESD protection, anti-surge protection;

9. Application area: pig management, cattle management, sheep management, parking management.

UHF RFID Antenna

LDR-UA01	LDR-UA02	LDR-UA04

LDR-UA05

Application：

1. Intelligent traffic management;
2. Logistics such as container management;
3. Ticketing, school attendance, asset tracking;
4. Access control, automatic weighing;
5. Animal tracking.

RFID Parameters

Model No.	LDR-UA01
Frequency	Worldwide 840-960Mhz
Antenna Type	8dbi circularly polarized Auto-gaining antenna
Connector Type	N-female, others optional
Working Mode	Need to work with RFID reader hub
Read&Write Range	1-6m adjustable (Tag and environment dependent)
Anti-collision	Support multiple tags reading

Physical Parameters

Size	260x260x45mm
Material	ABS Waterproof
Mounting	Pole/Ceiling
Operating temperature	-10℃~+60℃
Protection level	Outdoor IP54
Package	100pcs/ bag
Max input power	100W
Lightning protection	DC ground
Accessories	1×Bracket, 1×Connection cable
Package	1unit/carton

UHF RFID Module

MCR-600	MCR-800	MCR-900

RFID Parameters

Item No.	MCR-600	MCR-800	MCR-900
RF Channel	Single channel	Four channel	Eight channel
Connector	MMCX	SMA	SMA
Antenna connection mode	Single antenna	Four antenna	Eight antenna
Interface connector	Molex 53261-1571		
RF connectionmaterial	Gold-plated brass		
PCB material	Rogers FR4 gold-plated		
Shield material	Aluminum		

Physical Parameters

Operating voltage	3.7V-5V
Standby mode current	<50mA (EN high level)
Sleep mode current	<100mA (EN low level)
Operating temperature	-10℃ ~ +50℃
Output power	0 – 33dBm
Receive sensitivity	< -85 dBm
Peak inventory speed	> 700 tags/sec
Label buffer	1000tags@96 bit EPC
Tag RSSI	Supported
Antenna detector	Supported
Ambient temp monitor	Supported
Working mode	Single/DRM
Host communication	TTL Uart port
GPIO	2inputs optical coupling, 2outputs optical coupling
Max baud rate	115200 bps
Heat dissipation	External cooling fin

RFID Tag Type Knife Mold

Circular Mold		Rectangular Mold								Unit: mm
Φ12	Φ50	20*12	30*15	40*20	50*25	72*17	76*23	90*85	109*78	153*30
Φ16	Φ80	20*15	30*25	40*25	50*50	72*19	76*26	92*24	110*30	180*25
Φ18		21*12	30*27	40*30	52*30	73*24	76*29	97*27	110*45	187*97
Φ21		21*16	30*30	45*18	53*33	73*25	80*25	98*12	110*80	
Φ22		25*15	33*15	45*19	55*18	74*18	80*50	100*30	119*20	
Φ24		25*22	35*15	45*30	60*40	74*25	80*60	100*38	119*21	
Φ25		25*25	35*23	45*40	70*6	74*48	85*25	100*50	120*26	
Φ28		26*16	35*35	45*45	70*25	75*46	86*54	100*60	124*7	
Φ30		27*12	36*22	48*38	71*35	75*50	90*25	100*35	150*50	
Φ38		28*28	36*22	50*23	72*16	76*20	90*40	102*25	150*100	

Other sizes can be customized