Leadercolor

PRODUCT MANUAL

Committed to providing high-performance RFID product for our customers

深圳名彩智能卡有限公司

Shenzhen Leadercolor Smart Card Co., Ltd.

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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

PRODUCT
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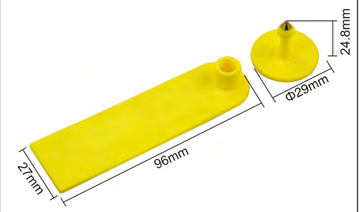
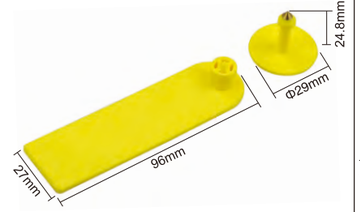
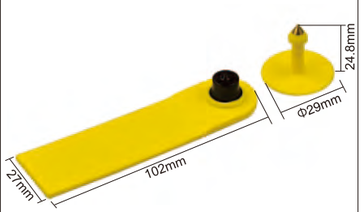
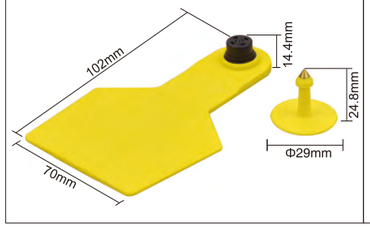
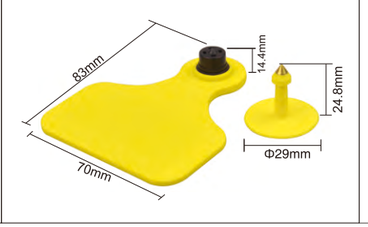
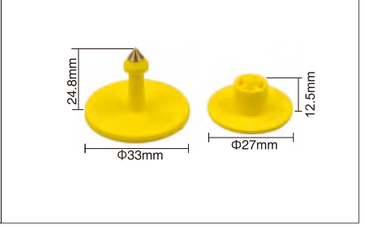
UHF RFID Animal Ear Tag

LDR-2796A 10g	LDR-9627A 10.1g	LDR-10227A 12g
		

LDR-2770A 15g	LDR-8370A 15g	LDR-D33A 4.5g
		

RFID Parameters

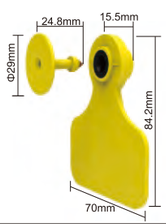
Protocol	ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	Worldwide 840-960Mhz
Chip	Ucode 8 (Customized)
Memory	EPC128bits、TID48bits 、User0bits (Depend on the chip)
Read&Write	Supported
Read range	1-10meters adjustable(reader and environment dependent)
Data retention	10 years
Write endurance	100000 Cycles
Anti-collision	Support multiple tags reading

Physical Parameters

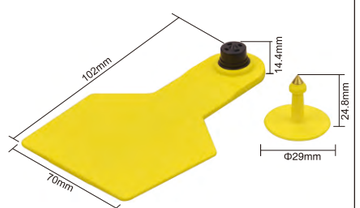
Color	Green, yellow, other color customized
Antenna material	PET+ Aluminum etching
Surface material	TPUAAA
Installation	Ear tag plier
Operating temperature	-10℃ ~ +65℃
Operating humidity	20% ~ 90%RH
Package	Ear tag&stud/set, 100sets/bag,10bags/carton

LF RFID Animal Ear Tag

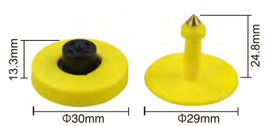
LDI-8470A 15g



LDI-7857A 15g



LDI-D30A 8.2g



LDI-7857A 15.5g

RFID Parameters

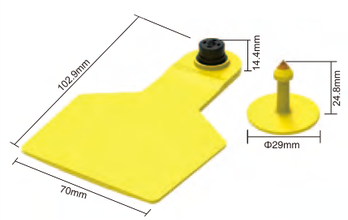
Protocol	ISO/IEC 11784/11785
Frequency	134.2Khz
Chip	HDX / FDX
Read&Write	Supported
Read range	10-30cm adjustable(reader and environment dependent)
Data retention	5-7 years

Physical Parameters

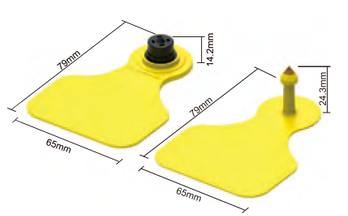
Color	Green, yellow, other color customized
Antenna material	PET+ Aluminum etching
Surface material	TPUAAA
Installation	Ear tag plier
Operating temperature	-30℃ ~ +85℃
Operating humidity	20% ~ 90%RH
Package	Ear tag&stud/set, 100sets/bag,10bags/carton

Conventional Ear Tag

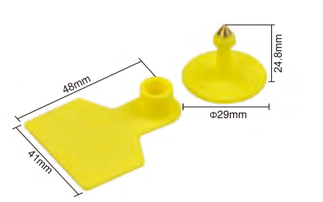
LD-2770A 10g



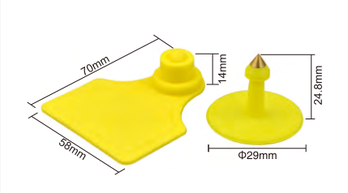
LD-7965A 12.4g



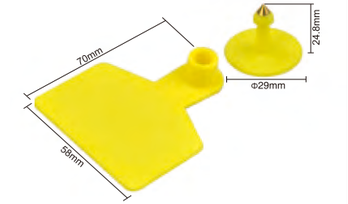
LD-4841A 4.7g



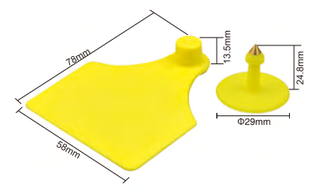
LD-5143A 6.1g



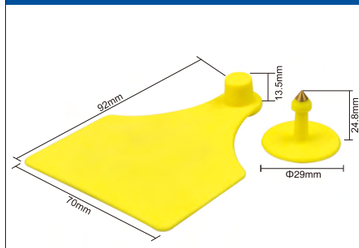
LD-7058A 8.2g



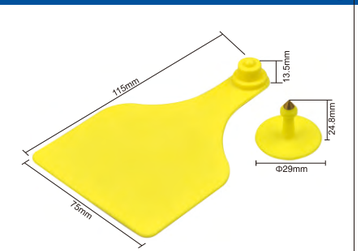
LD-7858A 9g



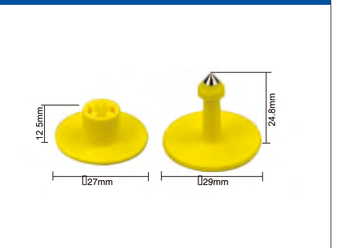
LD-9270A 12.1g



LD-11575A 14.2g



LD-D30A 3.6g

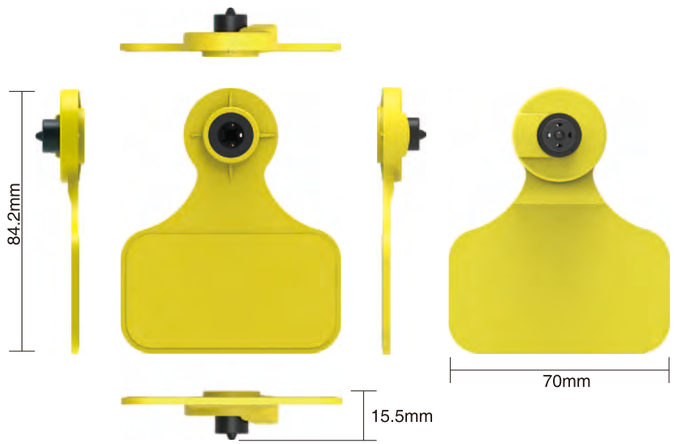


Physical Parameters

Color	Green, yellow, other color customized
Antenna material	PET+ Aluminum etching
Surface material	TPUAAA
Installation	Ear tag plier
Operating temperature	-20℃ ~ +80℃
Operating humidity	20% ~ 90%RH
Package	Ear tag&stud/set, 100sets/bag,10bags/carton

双频动物耳标 UHF RFID Plus LF Animal Ear Tag

LDD-8470A 15g



RFID Parameters

Protocol	ISO11784/11785 + ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	134.2Khz + Worldwide 840-960Mhz
Chip	HDX/FDX + UHF
Read&Write	Supported
Read range	5-10m adjustabl(Long range fixed reader)
	50cm(Handheld reader)
Data retention	10 years
Write endurance	100000 Cycles
Anti-collision	Support multiple tags reading

Physical Parameters

Color	Green, yellow, other color customized
Antenna material	PET+ Aluminum etching
Surface material	TPUAAA
Installation	Ear tag plier
Operating temperature	-30℃ ~ +65℃
Operating humidity	20% ~ 90%RH
Package	Ear tag&stud/set, 100sets/bag,10bags/carton

Animal Ear Tag Applicator

LD-AP01

Physical Parameters

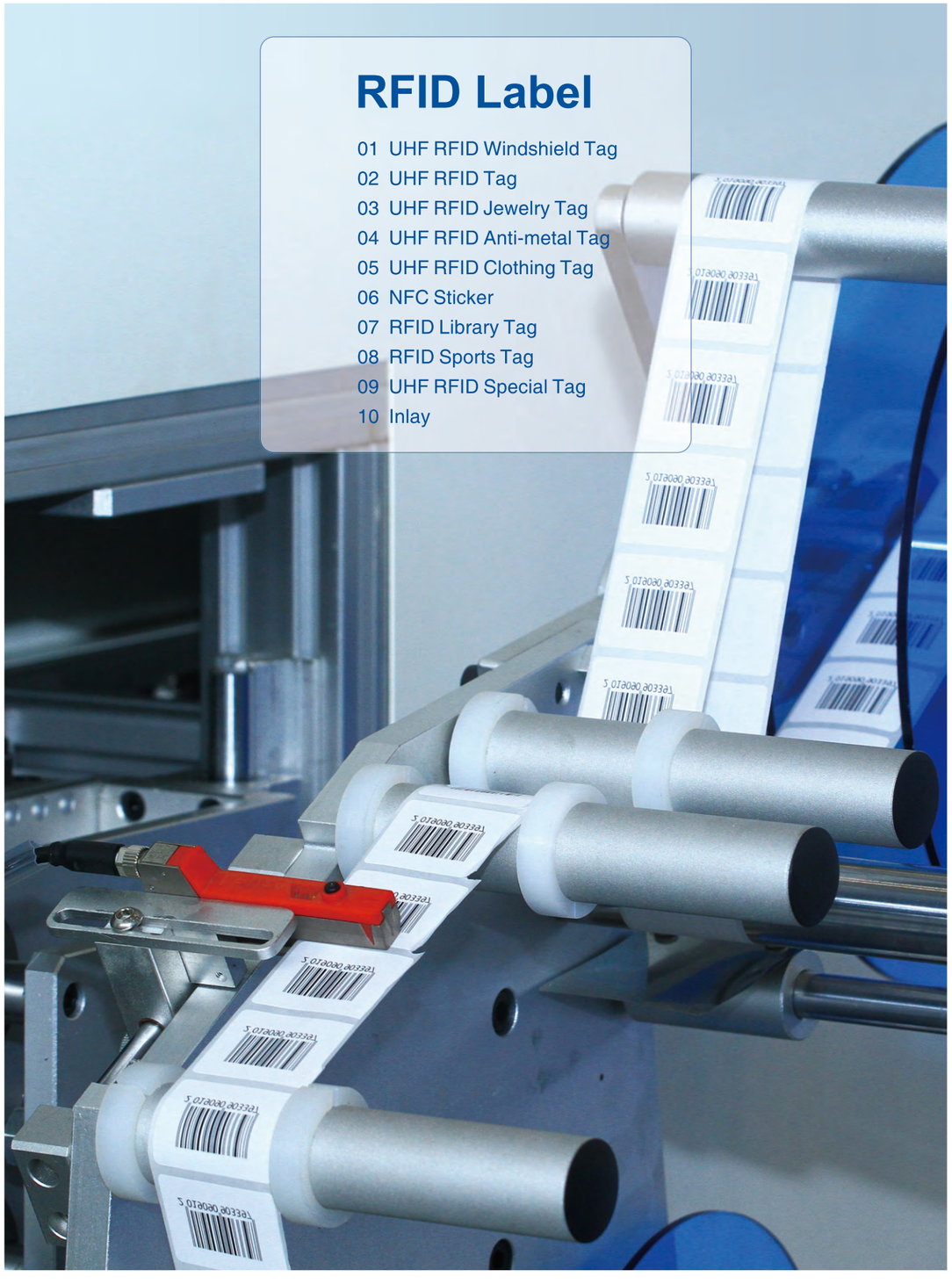
Size	240x65mm
Weight	340g
Color	Red
Material	Aluminum alloy
Installation	Attach animal ear tags
Suitable	Female ear tag, male ear tag
Package	OPP bag, carton packing

Stick Reader

LDI-B11

Parameters

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



RFID Label

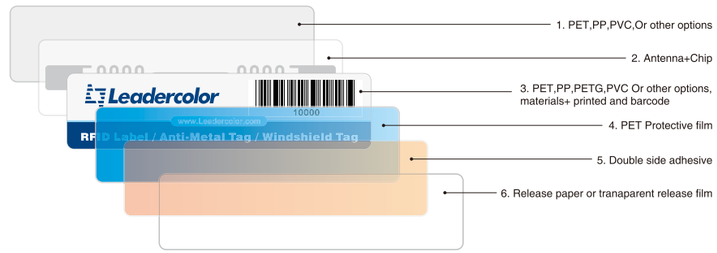
01 UHF RFID Windshield Tag
02 UHF RFID Tag
03 UHF RFID Jewelry Tag
04 UHF RFID Anti-metal Tag
05 UHF RFID Clothing Tag
06 NFC Sticker
07 RFID Library Tag
08 RFID Sports Tag
09 UHF RFID Special Tag
10 Inlay

UHF RFID Windshield Tag

LDR-6425	LDR-10225	LDR-10035

LDR-11045

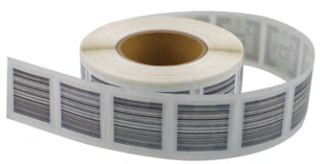
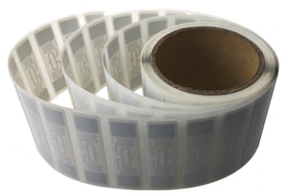
Other sizes can be customized



RFID Parameters	
Protocol	ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	Worldwide 840-960Mhz, US 902-928Mhz, EU 865-868Mhz
Chip	Ucode 8 (Customized)
Memory	EPC128bits、TID48bits 、User 0bits（Depend on the chip）
Read&Write	Supported
Read range	1-15meters adjustable (Reader and environment dependent)
Data retention	10 Years
Write endurance	100000 Cycles
Anti-collision	Support multiple tags reading

Physical Parameters	
Substrate material	Transpatent Release Film
Antenna material	Aluminum etching
Surface material	PET Waterproof
Encode	Supported
Tamper Proof	Yes
Printing	Offset printing, barcode, series number and logo printing
Package	Roll/Single

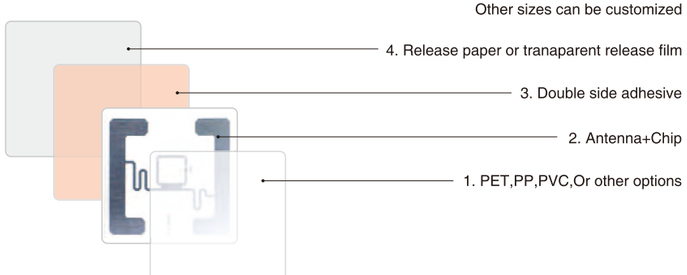
UHF RFID Tag

LDR-3030L	LDR-5050L	LDR-7620L
		

19x68mm	64x25mm
30x30mm	70x20mm
40x25mm	75x75mm
43x18mm	76x20mm
45x30mm	76x50mm
45x45mm	80x60mm
50x23mm	97x27mm
50x50mm	100x35mm
52x30mm	102x25mm
55x30mm	110x45mm

Other sizes can be customized

Other sizes can be customized



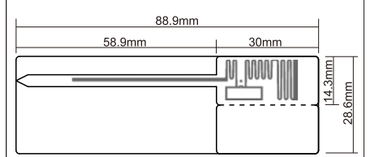
RFID Parameters

Protocol	ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	Worldwide 840-960Mhz, US 902-928Mhz, EU 865-868Mhz
Chip	Ucode 8 (customized)
Memory	EPC 128bits、TID 48bits 、User 0bits (Depend on the chip)
Read&Write	Supported
Read range	1-8meters adjustable (Reader and environment dependent)
Data retention	10 Years
Write endurance	100000 Cycles
Anti-collision	Support multiple tags reading

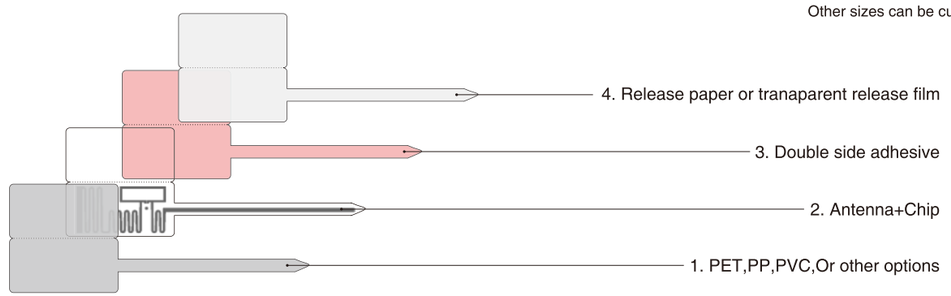
Physical Parameters

Substrate material	Transpatent release film
Antenna material	Aluminum etching
Surface material	Coated paper
Encode	Self adhesive
Installation	Yes
Printing	Offset printing, barcode, series number and logo printing
Package	Roll/Single

UHF RFID Jewerly Tag

LDR-G201	LDR-G203	LDR-G8927
		

Other sizes can be customized



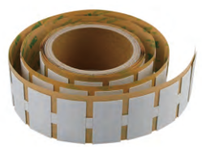
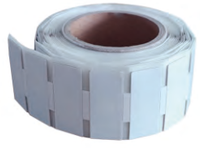
RFID Parameters

Protocol	ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	Worldwide 840-960Mhz, US 902-928Mhz, EU 865-868Mhz
Chip	Ucode 8 (Customized)
Memory	EPC128bits、TID48bits 、User 0bits (Depend on the chip)
Read&Write	Supported
Read range	1-5meters adjustable (Reader and environment dependent)
Data retention	10 Years
Write endurance	100000 Cycles
Anti-collision	Support multiple tags reading

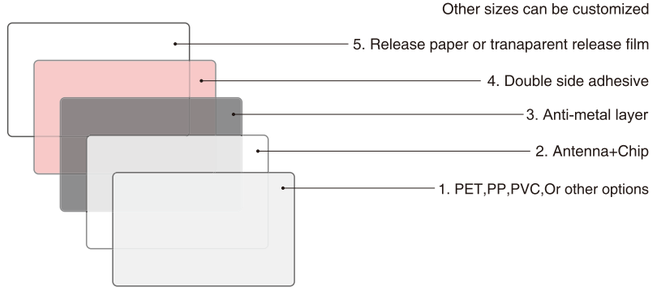
Physical Parameters

Substrate material	Transpatent release film
Antenna material	Aluminum etching
Surface material	PET Waterproof
Operating temperature	-25℃~65℃
Operating humidity	20%~90%
Printing	Offset printing, barcode, series number and logo printing
Package	Roll/Single

UHF RFID Anti-metal Tag

LDR-4025M	LDR-5015M	LDR-6025M
		

LDR-8025M



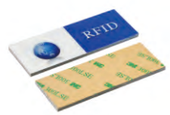
Other sizes can be customized

RFID Parameters

Protocol	ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	Worldwide 840-960Mhz, US 902-928Mhz, EU 865-868Mhz
Chip	Ucode 8 (Customized)
Memory	EPC 128bits、TID 48bits 、User 0bits (Depend on the chip)
Read&Write	Supported
Read range	1-8meters adjustable (Reader and environment dependent)
Data retention	10 Years
Write endurance	100000 Cycles
Anti-collision	Support multiple tags reading

Physical Parameters

Substrate material	Transpatent release film
Antenna material	Aluminum etching
Surface material	Coated paper
Encode	Self adhesive
Installation	Yes
Printing	Offset printing, barcode, series number and logo printing
Package	Roll / Single

LDR-7025P	LDR-8520P	LDR-8030M	LDR-25015M
			

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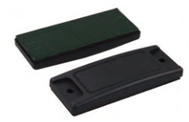
			

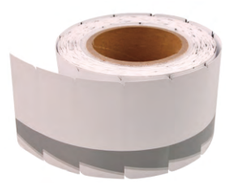
LDR-1309P	LDR-1206P	LDR-1005P	LDR-0904P

UHF RFID Clothing Tag

LDR-5815W	LDR-6020W	LDR-7015F

LDR-7015W-1	LDR-8616W	LDR-8717W

LDR-5035F	LDR-5230S	LDR-8535F

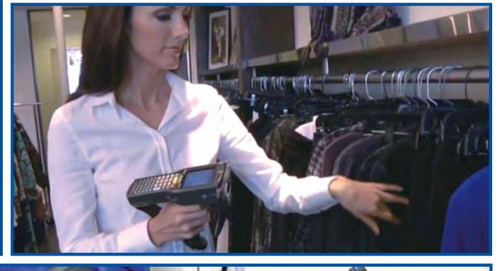
LDR-9005W	LDR-8737H	LDR-9040H
		

RFID Parameters

Protocol	ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	Worldwide 840-960Mhz, US 902-928Mhz, EU 865-868Mhz
Chip	Ucode 8 (Customized)
Memory	EPC 128bits、TID 48bits 、User 0bits (Depend on the chip)
Read&Write	Supported
Read range	1-8meters adjustable (Reader and environment dependent)
Data retention	10 Years
Write endurance	100000 Cycles
Anti-collision	Support multiple tags reading

Physical Parameters

Material	Textile
Washing cycles	200 Cycles
Heat resistance	-40°C~85°C（-40~185°F）
Installation	Sewing or insert
Washing	100°C (212°F), 60mins,120bar
Tunnel ironing	185°C（365°F), 30mins
Water extractor process	60bar

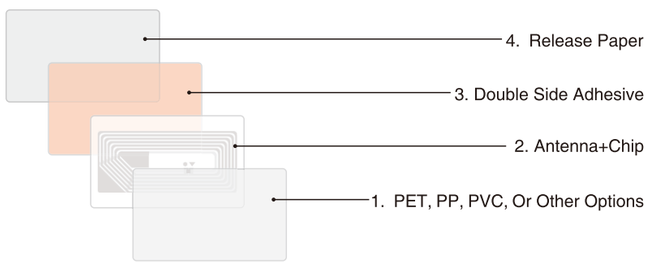


NFC Sticker

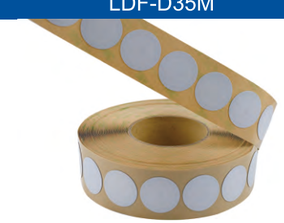
LDF-2012L	LDF-4530L	LDF-D16L

LDF-D20L

Other sizes can be customized



LDF-D12L	LDF-4545M	LDF-8060M

LDF-D25M	LDF-D25MF	LDF-D35M
		

RFID Parameters

Protocol	ISO/IEC 14443A&18000-3
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

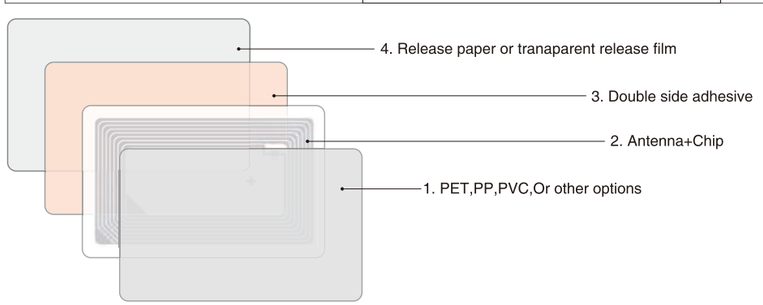
Physical Parameters

Substrate material	Anti-metal ferrite and transparent release film
Antenna material	Aluminum etching
Surface material	Coated paper (Customized)
Encode	Yes
Installation	Self adhesive
Printing	Offset printing, barcode, series number and logo printing
Operating temperature	-25℃~+65℃
Package	2000pcs/roll, 3000pcs/roll

RFID Libary Tag

LDF-8654L	LDF-5050L	LDR-D39L

Other sizes can be customized



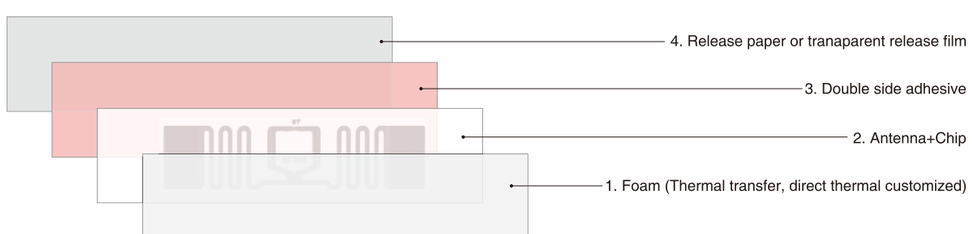
RFID Parameters	
Protocol	ISO/IEC 15693 & 18000-3
Frequency	Worldwide HF 13.56Mhz
Chip	ICODE@SLIX (Customized)
Memory	UID 8Byte 、User 1024Bit (Depend on the chip)
Read&Write	Supported
Read range	0.1-8cm adjustable (Reader and environment dependent)
Data retention	10 Years
Write endurance	100000 Cycles
Anti-collision	Support multiple tags reading

Physical Parameters	
Substrate material	Transpatent release film
Antenna material	Aluminum etching
Surface material	Coated paper
Encode	Supported
Installation	Self adhesive
Printing	Offset printing, barcode, series number and logo printing
Package	Roll/Single

UHF RFID Sport Tag

LDR-10027LF	LDR-11520LF	LDR-18025B

Other sizes can be customized



RFID Parameters	
Protocol	ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	Worldwide 840-960Mhz, US 902-928Mhz, EU 865-868Mhz
Chip	Impinj Monza R6-P (Customized)
Memory	EPC128bits、TID96bits 、User 64bits (Depend on the chip)
Read&Write	Supported
Read range	1-7meters adjustable(Reader and environment dependent)
Data retention	10 Years
Write endurance	100000 Cycles
Anti-collision	Support multiple tags reading

Physical Parameters	
Substrate material	Transpatent release film
Antenna material	Aluminum etching
Surface material	Foam
Operating temperature	-25℃~65℃
Operating humidity	20%~90%
Printing	Offset printing, barcode, series number and logo printing
Package	Roll/Single

RFID Special Tag

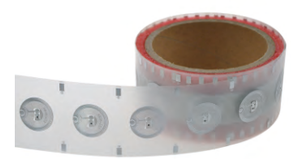
LDR-4122N	LDR-4128N	LDR-TZ01
Size: Φ22x41mm	Size: Φ28x41mm	Size: 92x28mm, Total length: 448mm

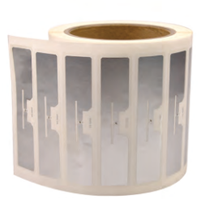
LDR-TZ02	LDR-TZ03	LDR-TZ04
Size: 60x28mm, Total length: 345mm	Size: 78x28x18mm	Size: 28x78mm, Total length: 335mm

RFID Parameters	
Model No.	LDR-4122N
Protocol	ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	Worldwide 840-960Mhz, US 902-928Mhz, EU 865-868Mhz
Chip	Ucode 8 (Customized)
Memory	EPC 128bits、TID 48bits 、User 0bits (Depend on the chip)
Read&Write	Supported
Read range	0-30cm
Data retention	10 Years
Write endurance	100000 Cycles

Physical Parameters	
Anti-collision	Support multiple tags reading
Antenna material	Aluminum etching
Surface material	ABS
Net weight	1.73g
Installation	Inset
Printing	Barcode, series number and logo printing
Package	Single

Inlay (Dry inlay+Wet inlay)

LDF-5215	LDF-D25	LDF-FD22
		
Dry inlay	Dry inlay	Dry inlay

LDF-D25W	LDF-ALN9654	LDF-H8
		
Wet inlay	Wet inlay	Wet inlay

RFID Parameters		
Protocol	ISO/IEC 14443A & 18000-3	ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	Worldwide HF 13.56Mhz	Worldwide 840-960Mhz, US 902-928Mhz, EU 865-868Mhz
Chip	Customized	
Memory	Depend on the chip	
Read&Write	Supported	
Read range	Depends on the antenna, reader, and environment	
Data retention	10 Years	
Write endurance	100000 Cycles	
Anti-collision	Support multiple tags reading	

Physical Parameters	
Substrate material	Transpatent release film
Antenna material	Aluminum etching
Surface material	PET Waterproof
Operating temperature	-25℃~65℃
Operating humidity	20%~90%
Roll diameter	Inner 3inches
Package	Roll/Single

RFID Wristband

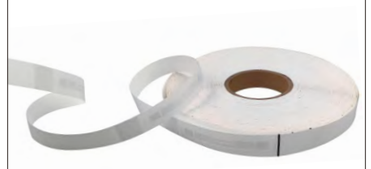
01 Disposable Wristband
02 Silicone Wristband
03 Nylon Wristband

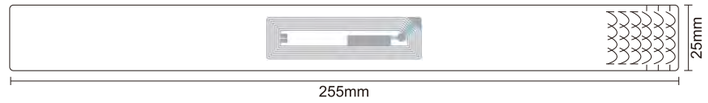
Disposable Wristband

LD-25025B	LDF-25525B(Printable)	LDR-25525B(TYVEK)

Other sizes can be customized

LDR-37025B





RFID Parameters	
Protocol	ISO/IEC 14443A
Frequency	Worldwide 13.56Mhz
Chip	Compatitble 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	
Substrate material	Transpatent Release Film
Antenna material	Aluminum etching
Surface material	PET PET Waterproof
Encode	Supported
Tamper Proof	Supported
Operating temperature	-25℃~+65℃
Printing	Offset printing, barcode, series number and logo printing
Package	Roll/Single

RFID Wristband

LDF-25535BS	LDR-25535BS	LDR-26814BS

LDR-D65BS	LDI-B05 / LDI-B07	LDI-B06

RFID Parameters	
Model No.	LDF-25535BS
Protocol	ISO/IEC 14443A
Frequency	Worldwide HF 13.56Mhz
Chip	Compatible MIFARE Classic® 1K (Customized)
Memory	UID 4/7Byte 、User 1K Byte (Depend on the chip)
Read&Write	Supported
Read range	1-10cm
Data retention	10 Years
Write endurance	100000 Cycles

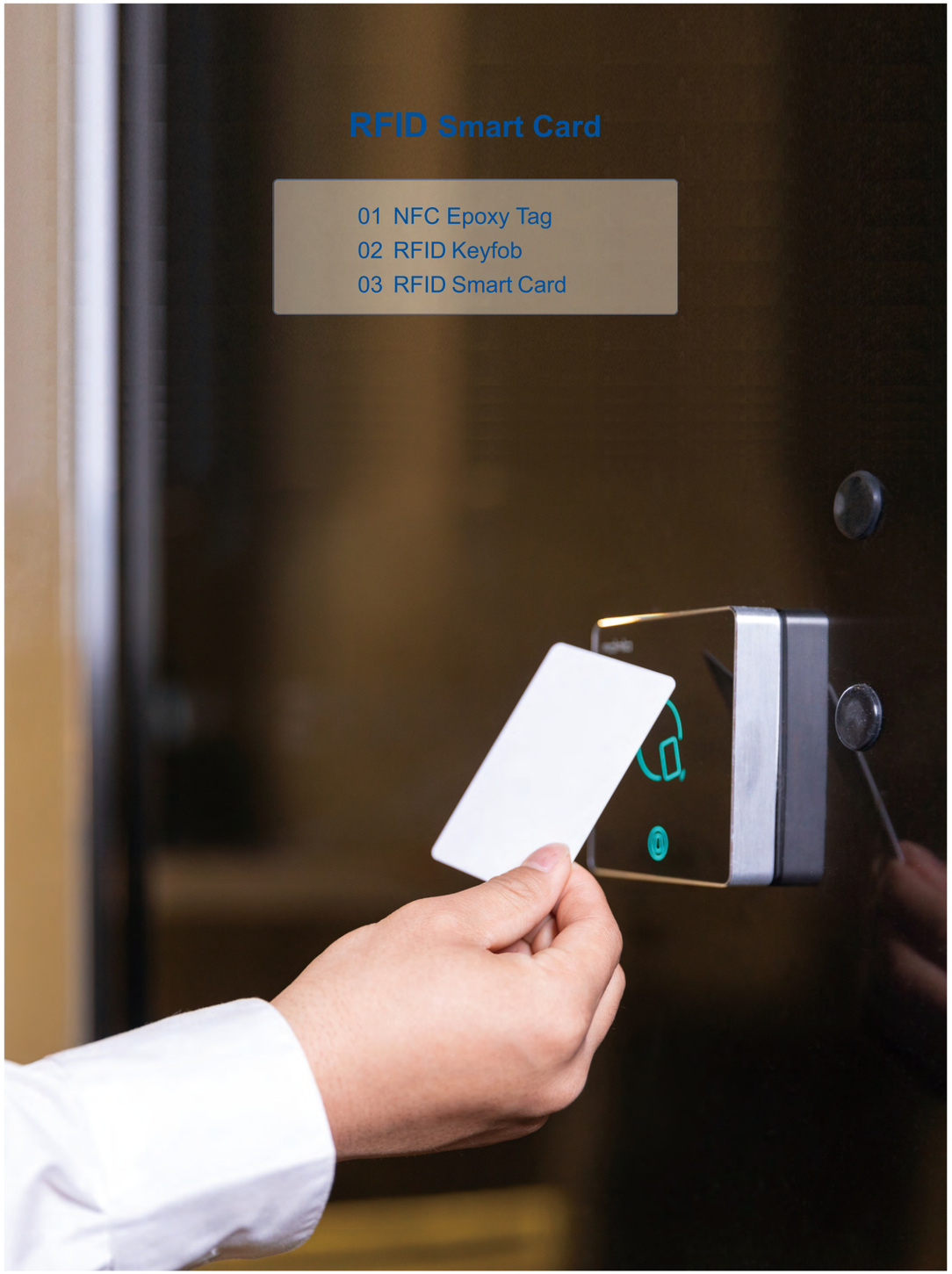
Physical Parameters	
Color	Support multiple tags reading
Antenna material	Aluminum etching
Surface material	Silicone Waterproof
Installation	Wrist
Operating temperature	-30℃~+75℃
Printing	Barcode, series number and logo printing
Package	100pcs/bag 1000pcs/carton

Nylon Wristband

LDF-35016BN	LDF-B82

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

Physical Parameters	
Size	350x16mm
Color	Blue/Green/Red/Black/White(or Customized)
Substrate material	Anti-metal ferrite and transparent release film
Antenna material	Aluminum etching
Surface material	Nylon wristband + RFID epoxy card
Encode	Yes
Operating temperature	-30℃~+75℃
Package	2000pcs/roll, 3000pcs/roll



NFC Epoxy Tag

LDF-4525E	LDF-4530E	LDF-D25EM
LDF-D30E	**LDF-D35EC**	**LDF-D40E**

RFID Parameters	
Protocol	ISO/IEC 14443A & 18000-3
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	Transpatent release film
Antenna material	Aluminum etching
Surface material	PVC Waterproof
Encode	Supported
Operating temperature	-20℃~+80℃
Printing	Offset printing, barcode, series number and logo printing
Package	Single

RFID Keyfob

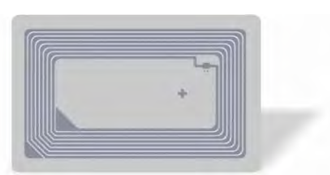
LDF-TK01	LDF-TK02	LDF-TK04

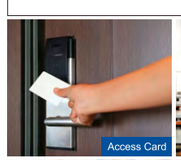
LDI-TK01	LDR-TK01	LDR-TK03

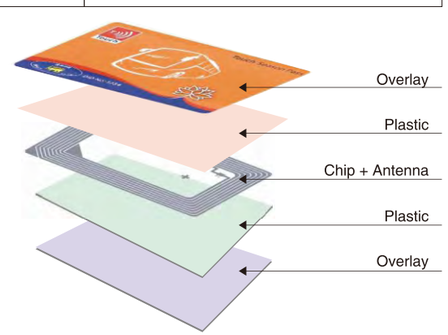
RFID Parameters	
Protocol	ISO/IEC 14443A & 18000-3 or 11784
Frequency	Worldwide 13.56Mhz
Chip	Compatible MIFARE Classic®1K (Customized)
Memory	UID 4/7Byte 、User 1K Byte (Depend on the chip)
Read&Write	Supported
Read range	0.1-10cm adjustable (Reader and environment dependent)
Data retention	10 Years
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℃
Printing	Offset printing, barcode, series number and logo printing
Package	100pcs/ bag

RFID Smart Card

125Khz	13.56Mhz	860~960Mhz
		





RFID Parameters	
Protocol	ISO/IEC 14443A & 18000-3
Frequency	Worldwide 13.56Mhz
Chip	Compatible MIFARE Classic®1K (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	86x54x0.84mm (Customized)
Material	PVC Plastic
Antenna material	Aluminum etching
Surface material	Matt or glossy
Encode	Supported
Operating temperature	-10℃~+50℃
Printing	Offset printing, barcode, series number and logo printing
Package	200pcs/box,10boxes/carton

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
Size: 105x70x11mm

LDR-RD02
Size: 160x110x40mm

LDR-RD04
Size: 160x110x40mm

LDR-RI01(US)
Size: 235x235x57mm

LDR-RI01W(US)
Size: 235x235x57mm

LDR-RI01RJ(US)
Size: 235x235x57mm

LDR-RI01(EU)
Size: 260x260x45mm

LDR-RI01W(EU)
Size: 260x260x45mm

LDR-RI01RJ(EU)
Size: 260x260x45mm

LDR-RI02(EU)
Size: 445x445x55mm

LDR-RI02W(EU)
Size: 445x445x55mm

LDR-RI02RJ(EU)
Size: 445x445x55mm

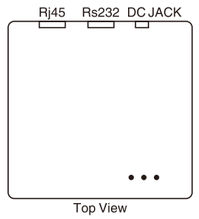
LDR-U72S
Size: 178x83x17mm

LDR-G02
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



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 operation①;
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.	TOPR	-10~+60	℃
Storage Temp.	TSTR	-25~+80	℃

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

ITEM	SYMBOL	VALUE	UNIT
Power Supply	VCC	12	V
Operating Temp.	TOPR	-10~+60	℃
Storage Temp.	TSTR	-25~+80	℃
Storage Temp.	TSTR	-25~+80	℃

*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

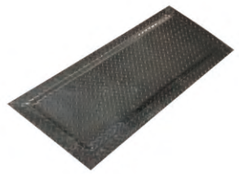
This is Long-distance ISO11784/11785 reader, This reader supporting animal ear tags using the reading distance is 45cm±10%.

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, US 902-928Mhz, EU 865-868Mhz
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