OEM Manufacturer of RFID Tags
and RFID Readers

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COMPANY PROFILE
公司简介

01

PROFILE

The Focus RFID was found in the year 2012, and we are expert and focus on the RFID products development and production for 10 years. The brand of 'FOCUS RFID' is well reputation in the market.
Our product range covers RFID card, RFID tag, NFC sticker, RFID keyfob, RFID wristband, RFID Label, Long range RFID readers and antennas.
Our products are successfully used in the inventory and warehouse management system, IT asset tracking solution, vehicle access control, farm fleeting tracking system, rfid laundry system, rfid weighting system, rfid clothing tracking system etc.

Now we growing up to a company with 200+team members including production department, R&D center, sale department, technical support department and after sale department.
We are the one stop supplier for all the RFID tags and equipment. We are not only supplying the regular RFID products to our customer, but also OEM products. We can develop the RFID Reader or RFID tags, wristband according to the drawings, technical specifications from our customer in a period 30 to 45 days.
Now we are cooperating with more than 1,000+ customers come from America, Canada, Brazil, Chile, Italy, Denmark, Germany, Austria, Spain, South Africa, Tunisia, Malaysia, Sri Lanka, South Korean, UAE, Saudi Arabia, Russia, Australia etc.
Our factory is located in Shenzhen City, Guangdong. Quality is our culture. All of our production is under the ISO9001 Quality Control System, and certificated with CE, FCC, and RoHS.
Focus RFID is aim to be the most professional and knowledgeable supplier in the RFID industry, and we will bring the most fruitable benefits to our customers and partners during our cooperation.

CORPORATE CULTURE
企业文化

02
CULTURE

OUR MISSION:
Value created for customer, Value created for employee,
Value created for society

OUR VISION:
To be the World-Class RFID Product Supplier and Solution Provider

OUR SPIRT:
Quality, Honesty, Innovation, Development

FACTORY INTRODUCTION
工厂介绍

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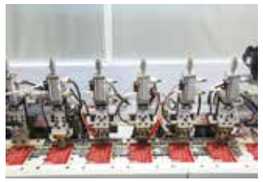
FACTORY

OFFICE

FACTORY EQUIPMENTS



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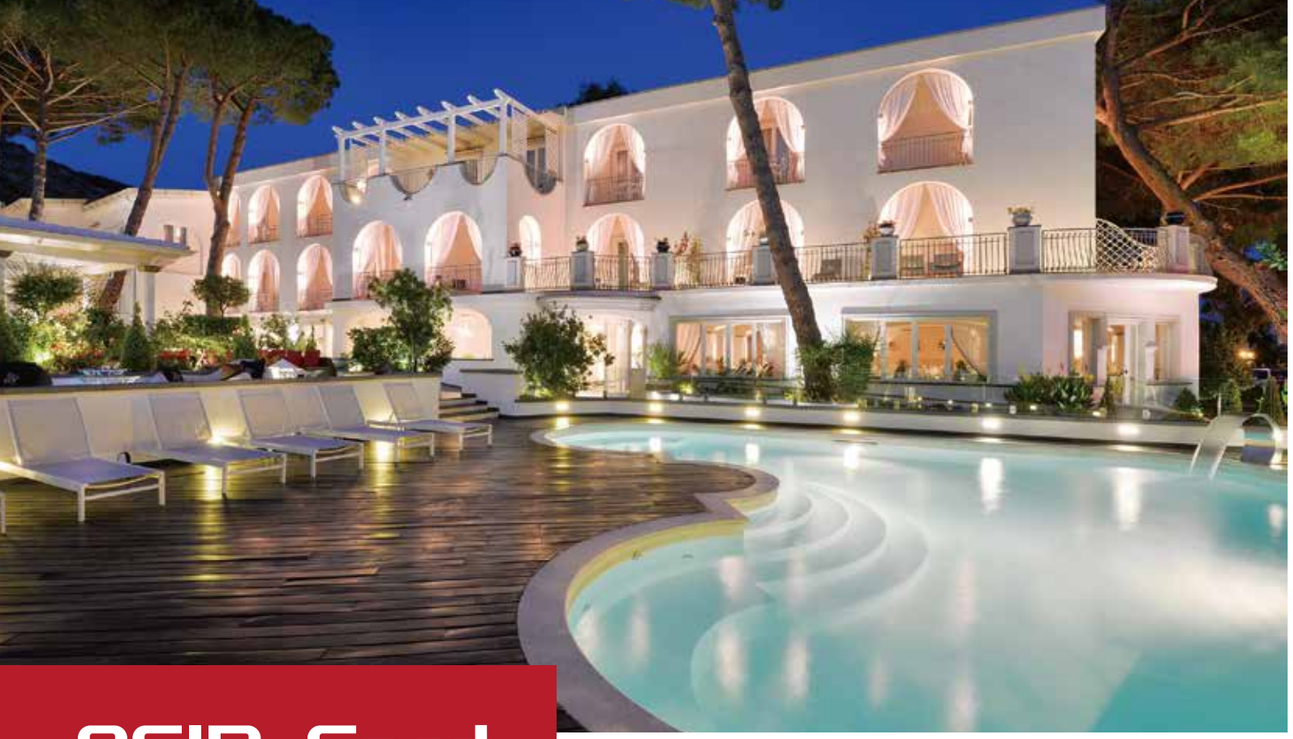


RFID Card

RFID Hotel Card

Product name	Hotel Card
Material	Fresh PVC
Dimension	85.5*54*0.86mm
Printing	CMYK
Lock Brand	Onity, Saflok, Kaba, Salto and ADEL etc

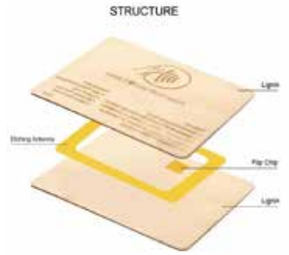
We offer RFID Cards that work with most major lock manufacturers' RFID guestroom lock systems, including: Onity, Saflok, Kaba, Salto and MIWA, etc.

RFID Printing Card

Material	Fresh PVC, PET, Polycarbonate
Dimension	CR80(85.5*54*0.84mm) or Customized
Protocol	ISO14443A, ISO15693/ ISO18000-6
Frequency	125Khz, 13.56Mhz, 860Mhz-960Mhz

The contactless RFID card is core products in the RFID technology; it is widely used in the car parking, access control, payment, identification, ticket in the park or event, retails and membership etc.

RFID Wooden Card



Product name	RFID Wooden Card
Dimension	85.5*54*1.1mm
Printing	Silk printing
Lock Brand	Onity, Saflok, Kaba, Salto,Beline,Be-tech and ADEL etc
Chip	NTAG213/215/216,Mifare

The RFID wooden card is 100% biodegradable environment friendly, and it is recyclable and designed to impress. We can make a variety of custom-made wooden cards that are perfect for hotel cards, membership cards, business cards, discount cards, event cards, weddings and holidays.

RFID Dual Chip Card

Material	Fresh PVC, PET, Polycarbonate
Dimension	CR80(85.5*54*0.84mm)
Protocol	ISO14443A, ISO18000-6C/ EPC Gen2
Frequency	125Khz, 13.56Mhz, 860Mhz-960Mhz
Chip	TK4100+M4QT, MiFare 1k+ M4QT, Mifare 4k + M4QT

The dual Chip card means there are two different chips in one card, and it is used for the different purpose of each chip. The NFC chip used for the access control or payment, and UHF chip used for the parking system.

RFID Card

RFID Epoxy Card

Material	Fresh PVC/ PET+ Epoxy
Dimension	28mm,30mm,40*25mm,50*30mm or Customized
Protocol	ISO14443A/ ISO15693/ EPC Gen2 ISO18000-6C
Frequency	125Khz, 13.56Mhz, 860Mhz-960Mhz (LF/HF/UHF)

The epoxy RFID cards is popular as it looks more smart and beautiful and waterproof. It is widely used in access control, payment, identification, retails and membership etc.

RFID Key Card

The RFID Key card is one of types of RFID contact less card, but it is expressed with multiple size, key holes. It is widely used in access control, payment, identification, ticket of event, retails and membership etc.

Material	PVC
Dimension	40*25mm,50*30mm, or Customized
Protocol	ISO14443A/ ISO15693 , EPC Gen2 ISO18000-6C
Frequency	125Khz, 13.56Mhz, 860Mhz-960Mhz (LF/HF/UHF)

RFID Paper Card

In some case, we need kind of RFID card for one time use, cheaper cost, much more thin and light, the paper card is the best option. It is used for car parking, access control, payment, identification, ticket in the park or event etc.

Material	Thermal Paper, Coated paper
Dimension	85.5*54mm, thickness 0.35mm or 0.6mm or customized
Protocol	ISO14443A/ ISO15693/ EPC Gen2 ISO18000-6C
Frequency	13.56Mhz, 860Mhz-960Mhz (HF/UHF)

RFID Metal Card

The RFID metal card is made by stainless steel or aluminum material, which is embedded with NFC chip (sticker). We can make a variety of custom-made metal cards that are perfect for hotel cards, membership cards, business cards.

Material	Stainless steel /Aluminum
Size	80*50mm, 85*54mm or customized
Thickness	0.3mm-0.5mm
Chip	NTAG213/215/216

RFID Blocking Card

Simply place a single RFID blocking card in your wallet or purse and you' re protected. No fiddling about with individual sleeves. No need to fork out for a new wallet or purse. You can carry on using your contactless cards as normal. Simple and effective.

Blocking Frequency	13.56MHz
Material	PVC+blocking foil
Size	86*54*0.9mm
Application	Protect your credit card, identity information from theft.

NFC Tag

NFC Sticker Label

The NFC sticker is widely used on the asset tracking, identification, and social media.

Material	Antenna: PET+ Aluminum foil, Surface: Adhesive paper/ PVC, Back: Glassine release paper
Dimension	25mm/30mm/35mm or Customized
Protocol	ISO14443A,ISO18092
Frequency	13.56Mhz
Printing	Logo Printed, S/N,QR code
Back glue	3M sticker
Value added	Data encoded, UID list provided
Application	Asset tracking, Logistics, Retails, public transportation,social media

NFC Anti Metal Tag

The NFC On-metal Tag is custom shape and made by paper, PVC, epoxy material etc. For the metal asset identification, the NFC tag could be luminated by anti metal layer. The Tag is well performance and fashionable used on Physical access, logical access, public transport, e-ticketing, smart posters, e-purse systems.

NFC Tag with anti-metal layer

NFC Anti Metal Tag with epoxy

Material	Antenna: PET+Aluminum foil, Surface: Adhesive paper/ pvc+Epoxy, Back: release paper. Anti metal layer
Dimension	25mm/30mm/35mm
Work On metal	Yes
Protocol	ISO14443A/ISO18092
Printing	Logo Printed, S/N, QR code
Back glue	Yes
Value added	Data encoded, UID list provided

Model	Chip	R/W	Protocol	Label Size (mm)	Antenna picture
HF No 1	Mifare classic 1k,4k, Ultralight, Ultralight C, Ntag213/215/216 etc	R/W	ISO14443A/ISO18092	85*54	
HF No 2		R/W		80*50	
HF No 3		R/W		53.5*18.5	
HF No4		R/W		50*50	
HF No 5		R/W		45*45	
HF No 6		R/W		26*41	
HF No 7		R/W		15*30	
HF No 8		R/W		Φ25	
HF No 9		R/W		Φ23	
HF No 10		R/W		Φ28	
HF No 11		R/W		Φ33	
HF No 12		R/W		Φ40	
HF No 13		R/W		Φ18	

RFID Label

UHF RFID Label

RFID UHF Label is widely used on the asset tracking and identification, warehouse management, clothing factories, logistics management, retail business etc. It is packed in roll and printable by RFID printer and encoding personalized data.

Material	Antenna: aluminum foil, Surface: adhesive paper/adhesive PET, Back: release paper
Dimension	46*12mm,70*21mm, 98*24mm, or customized
Protocol	ISO 18000-6C EPC Gen 2
Frequency	860Mhz-960Mhz UHF
Chip available	NXP Ucode 8, Ucode 9, Monza R6, M4QT etc
Printing	Logo Printed, S/N, Barcode
Back glue	Yes
Read/Write	>100,000 times
Work Temp	-10°C-55°C
Humidity	0-95%
Packing	2000 pcs/roll, 5000 pcs/roll, 10000 pcs/roll
Application	Asset tracking, Logistics, Retail Industry, Warehouse management

Model	Antenna Size/ mm	Label Size/mm	Chip
ST-U12	Dia 12	Dia 16	NXP Ucode 8/9
ST-R12	Dia 12	Dia 16	Impinj R6
ST-R24	Dia 24	Dia 28	Impinj R6
ST-U2412	24*12	27*15	NXP Ucode 8/9
ST-U3010	30*10	33*13	NXP Ucode 8/9
ST-R4015	40*15	44*18	Impinj R6
ST-U4216	42*16	46*19	NXP Ucode 8/9
ST-M4216	42*16	44*18	Impinj M730
ST-U47	44*44	55*50	NXP Ucode 8/9
ST-U5030	50*30	53*33	NXP Ucode 8/9
ST-R5030	50*30	53*33	Impinj R6
ST-U7010(Jewelry Tag)	70*10	71*26	NXP Ucode 8/9
ST-U7014	70*14	73*21	NXP Ucode 8/9
ST-M7014	70*14	73*21	Impinj M730
ST-R7014	70*14	73*21	Impinj R6
ST-U7017	70*17	73*21	NXP Ucode 8/9
ST-U9503	95*3	98*6/115*6	NXP Ucode 8/9
ST-U9424	94*24	98*27	NXP Ucode 8/9
ST-U9662	70*17	73*21	NXP Ucode 8/9
ST-R125-6	125*6	130*9	Impinj R6
ST-U7023 (Retail Tag)	32*20	70*23	NXP Ucode 8/9
ST-U9045 (Retail Tag)	42*16	90*45	NXP Ucode 8/9

RFID Windshield Tag

The RFID windshield tag is sticked on the car windshield for the access control, parking system, community, toll gate and vehicle tracking solution.The Tag is embedded UHF RFID chip such as Ucode8/9 or Impinj Monza R6, M4QT with long range reading distance up to 10 meters.

Material	Antenna: aluminum foil, Surface: adhesive paper, Back: release paper
Dimension	110*30mm, 110*45mm, or customized
Protocol	ISO 18000-6C EPC Gen 2
Frequency	860Mhz-960Mhz
Chip available	NXP Ucode 8, Ucode 9, Impinj M4QT, R6, Alien H9
Reading Range	0-10 m (depends on the rfid reader)
Printing	Logo Printed,SN,Barcode
Back glue	Yes
Read/Write	>100,000 times
Packing	2000 pcs/roll, 5000 pcs/roll
Application	Vehicle access control, toll gate system, parking system

RFID Jewelry tag

RFID technology is introduced into jewellery management, RFID labels are attached to precious jewelry goods, and jewelry set up on the counter is used to monitor, control and track the labeling jewelry, so as to realize quick inventory, real-time tracking and sales management intelligence.

Material	Antenna: aluminum foil, Surface: adhesive paper, Back: release paper
Dimension	71*26mm
Protocol	ISO 18000-6C EPC Gen 2
Frequency	860Mhz-960Mhz
Chip available	NXP Ucode 8, Ucode 9
Reading Range	1-3 m (depends on the rfid reader)
Printing	Logo Printed,SN, Barcode
Back glue	Yes
Packing	2000 pcs/roll, 5000 pcs/roll
Application	Jewelry management

RFID Retail Tag

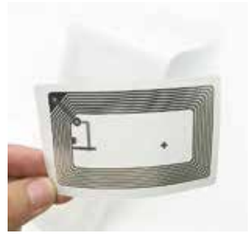
The RFID Retail Tag is special designed for the unmanned supermarket, it is suitable to attached on plastic or metallic bottles, bags, boxes. The size is customized.

Material	Antenna: aluminum foil, Surface: adhesive paper, Back: release paper
Dimension	70*23mm, 90*45mm
Protocol	ISO 18000-6C EPC Gen 2
Frequency	860Mhz-960Mhz
Chip available	NXP Ucode 8, Ucode 9
Reading Range	0-10 m (depends on the rfid reader)
Printing	Logo Printed,SN, Barcode
Back glue	Yes
Read/Write	>100,000 times
Packing	2000 pcs/roll, 5000 pcs/roll
Application	Unmanned supermarket merchandise management,suitable for metallic bottles

RFID Library Tag

The RFID Library label used for book/ file management system. The main purpose of the system is to improve the efficient of book / file inventory checking, location, self-service book return service, and anti-theft management.

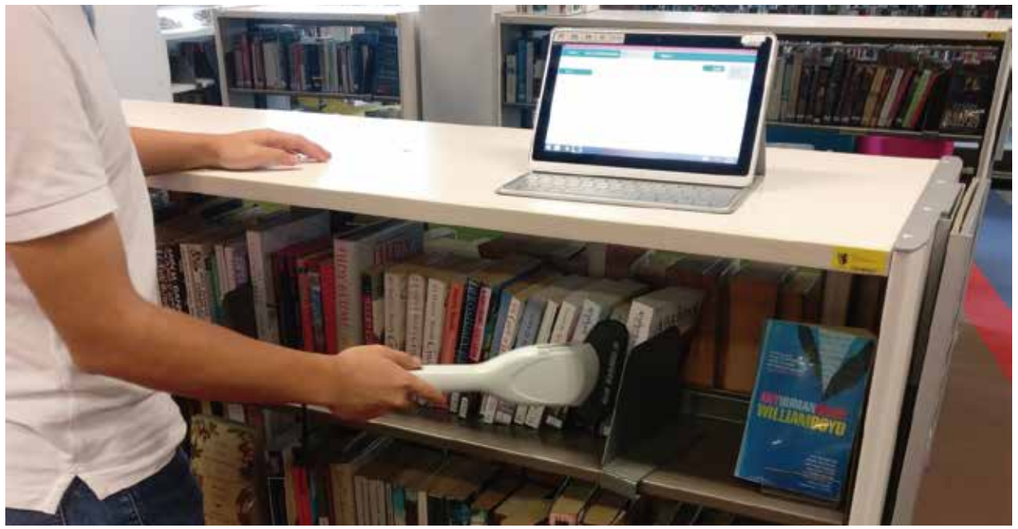
ISO15693 ICODE SLIX2 50*50mm



ISO15693 ICODE SLIX2 80*50mm

ISO 18000-6C EPC Gen 2 98*6mm or 105*6mm

Material	Antenna: aluminum foil, Surface: adhesive paper/adhesive, Back: release paper
Dimension	Icode Slix 2 45*45mm, 80*50mm, UHF: 115*6mm
Protocol	ISO 18000-6C EPC Gen 2, ISO15693
Frequency	860Mhz-960Mhz, 13.56Mhz
Chip available	NXP Ucode 8, Ucode 9, ICODE SLIX 2
Printing	Logo Printed, S/N, Barcode
Back glue	Yes
Read/Write	>100,000 times
Packing	2000 pcs/roll, 5000 pcs/roll, 10000 pcs/roll
Application	Library book/files management



RFID Wristband

Disposable RFID Tyvek Wristband

Material	Tyvek, PP synthetic paper
Dimension	250*25mm
Package	2000 pcs/roll
Protocol	ISO14443A / ISO18000-6C
Frequency	13.56Mhz/865Mhz-965Mhz
RFID Chip	NTAG213/215/216/UHF
Reading Distance	0-5cm /1-3M
Waterproof	Yes

The RFID Tyvek and PP synthetic paper wristband is the disposable use as the ticket of festival event, water park, and sport games. It is rugged use, waterproof, anti dust and cheap cost.

Disposable RFID Woven Wristband

Material	Fabric/Woven
Protocol	ISO14443A
Frequency	13.56Mhz
Dimension	360*15mm
Design A	Fabric wristband + Chip card 40*25mm

The RFID wristband is the most popular in the RFID access control and security system,e-purse system, hotel key,loyalty, hospital etc.

Disposable RFID Woven Wristband

Material	Fabric/Woven
Protocol	ISO14443A
Frequency	13.56Mhz
Dimension	360*15mm
Design B	Fabric wristband+ sew inside the chip coin

The RFID fabric wristband is the disposable use as the ticket of festival event, music event, and sport games. It is designed fashionable and intelligent.

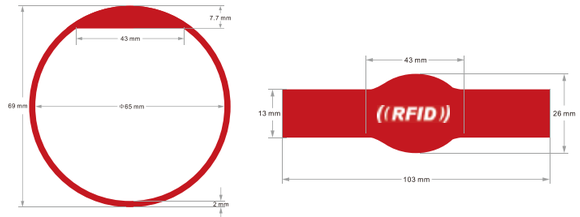
RFID Elastic Wristband

Product Name	RFID Elastic
Chip	Mfiare 1k; NTAG213/215/216
Frequency	13.56mhz
Size	180*20MM
Feature	Disposable, Waterproof,Flexible & Easy-to-wear

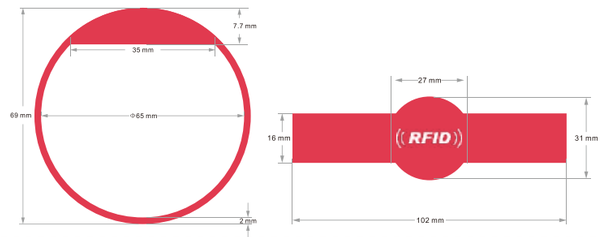
The RFID elastic wristband is widely use as the ticket of festival event, water park, and sport games. It is rugged use, waterproof, anti dust and cheap cost. It is designed fashionable and intelligent.

color

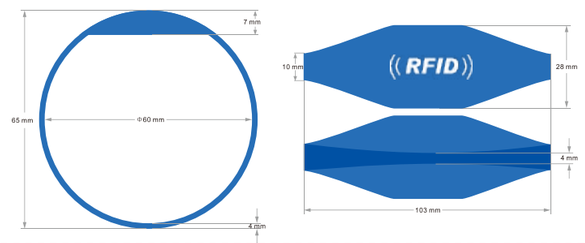
ST-G01 (φ45,φ50,φ55,φ60,φ65,φ70,φ74)



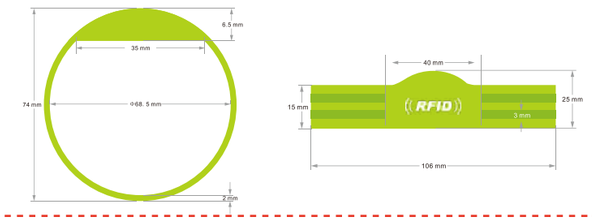
ST-G02 (φ45,φ50,φ55,φ62,φ65,φ70,φ74)



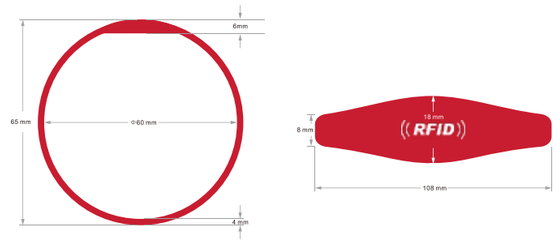
ST-G03 (φ53,φ55,φ60,φ64)



ST-G04 (φ58,φ62,φ68)

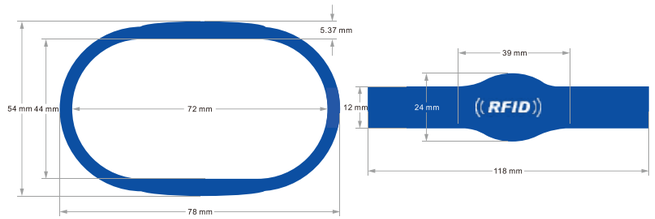


ST-G05 (φ55,φ60)



color

ST-G06 (φ72)



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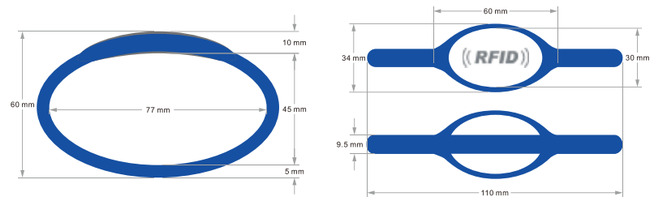

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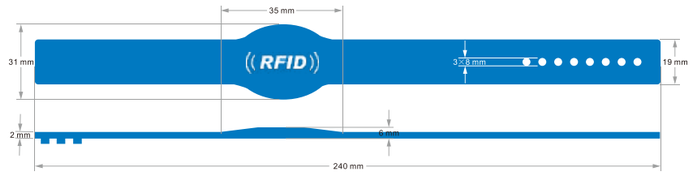

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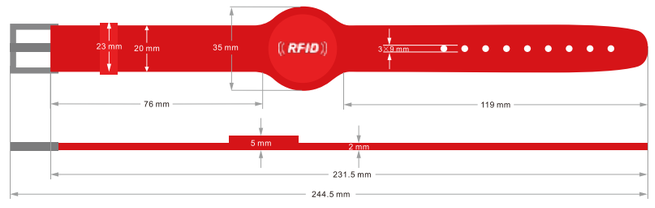

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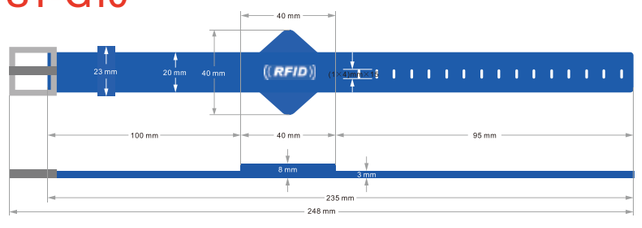

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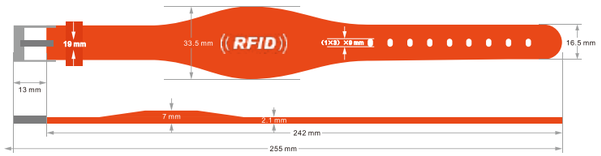

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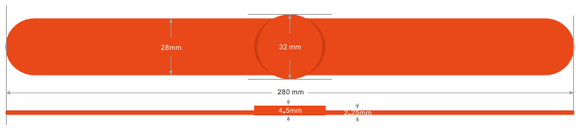

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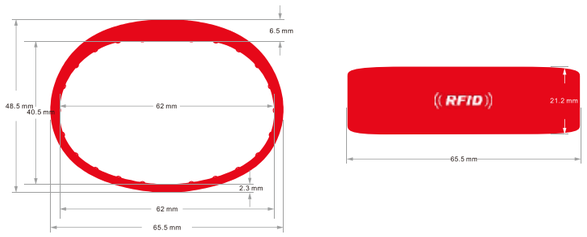

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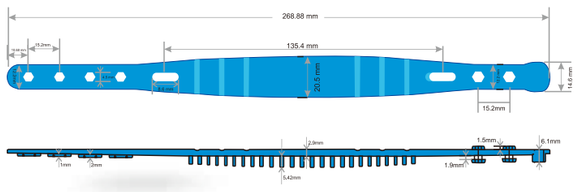

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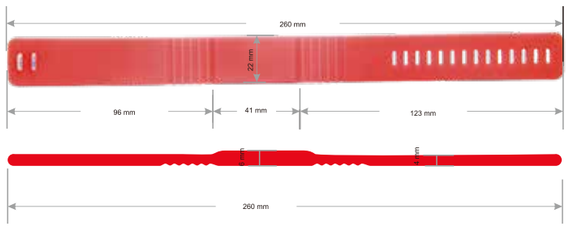

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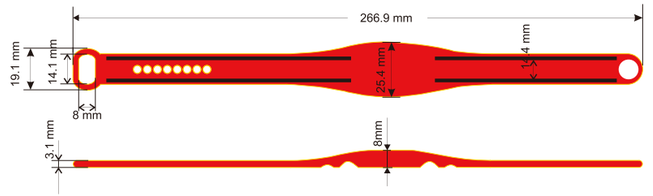
ST-G17



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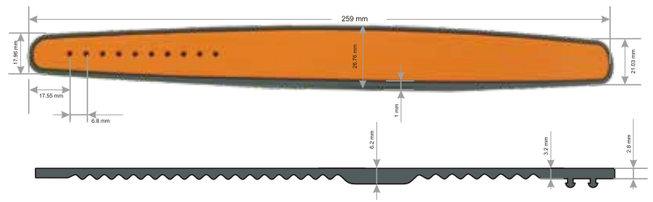
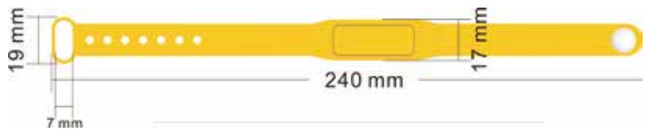


ST-GD06-1

ST-GD06-3



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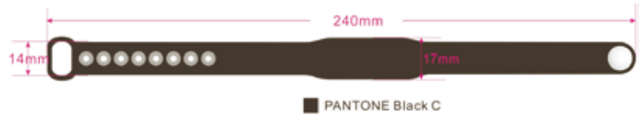


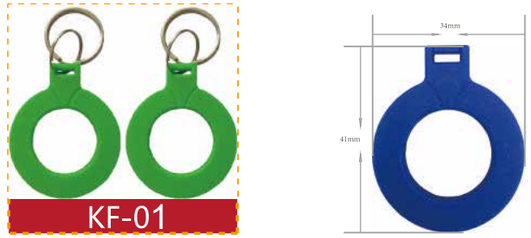
RFID Keyfob

RFID ABS Keyfob

Material	ABS，PVC, Leather
Protocol	ISO14443A, ISO15693
Frequency	125Khz, 13.56Mhz
Printing	Silk-printing Logo, one color or two colors

RFID Key fob is the good option for the access control, as it is convenient and smart looks. The high performance of ABS housing made, the tag is waterproof and anti drop. We can customize the logo on the tags and print serial number.

color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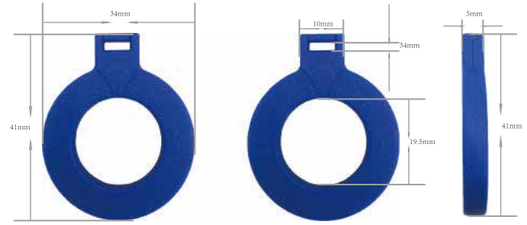

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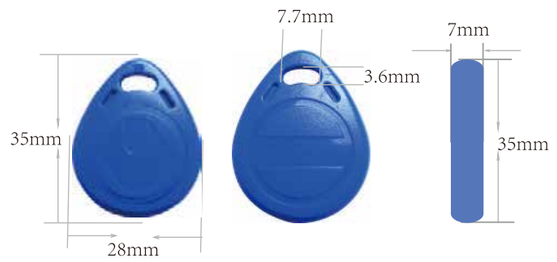


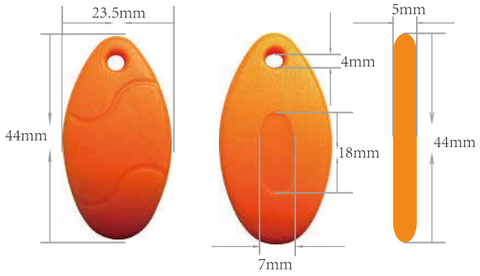
KF-03

KF-06

KF-07

color

KF-08



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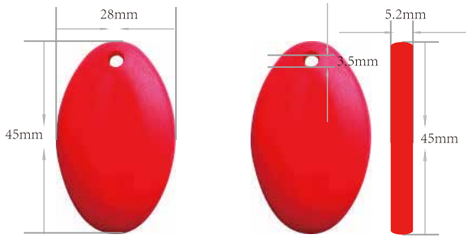
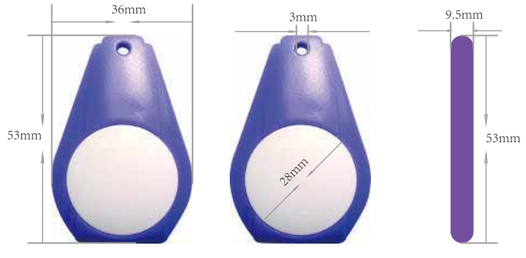


KF-12

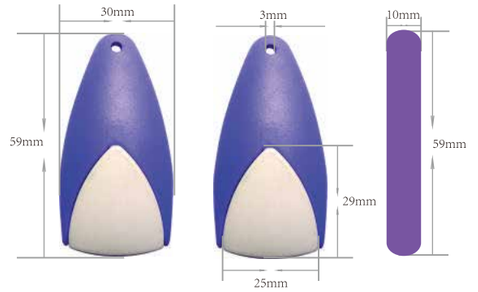
KF-13



KF-14

color

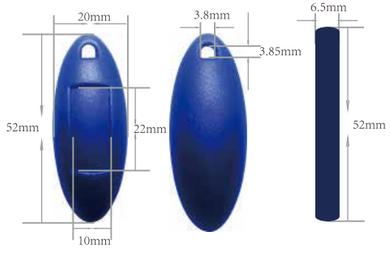
KF-15



KF-17

KF-18

KF-19



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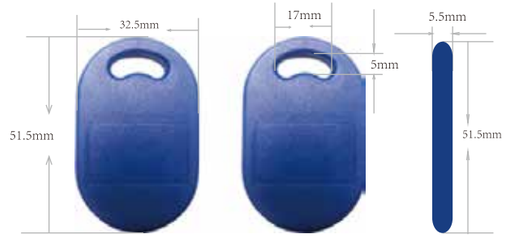
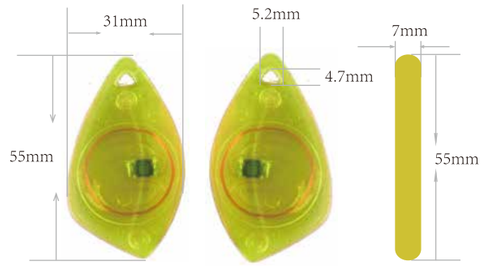


color

KF-25

KF-26

KF-28



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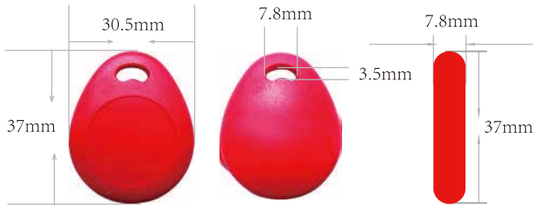

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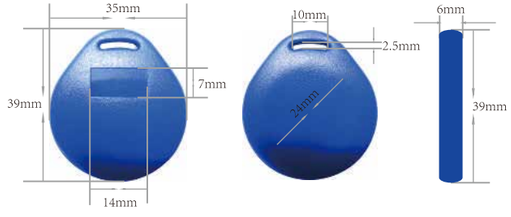

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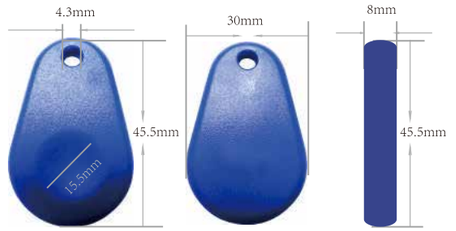


KF-38

KF-39

KF-41

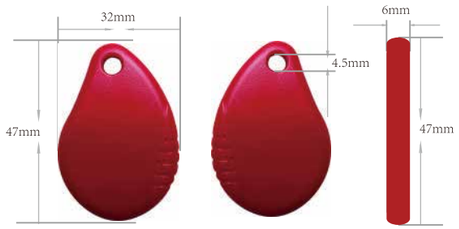
KF-42

color

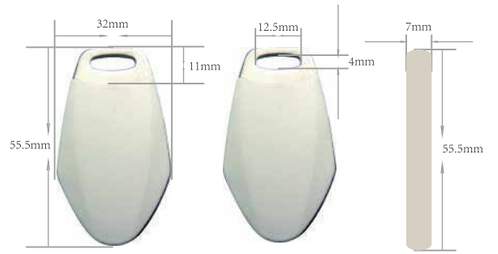
color

KF-48

KF-62



KF-65



KF-68

Acrylic keyfob

P01 size : 60*53*7mm weight : 15g

P02 size : 67*40*6mm weight : 14g

P03 size : 70*41*6mm weight : 16g

P04 size : 64*35*7mm weight : 22g

P05 size : 44*36*7mm weight : 16g

P06 size : 60*55*7mm weight : 25g

P07 size : 113*30*8mm weight : 15g

P08 size : 60*36*9mm weight : 23g

P09 size : 69*39*8mm weight : 17g

P10 size : 72*42*7mm weight : 17g

P11 size : 66*38*6mm weight : 25g

P12 size : 73*45*7mm weight : 23g

RFID Clothing Tag

UHF RFID LAUNDRY TAG

UHF RFID Laundry Tag with more than 200 industrial washing cycle life. It can withstand pressures of 60 Bar atmospheres in industrial, workwear and medical washing applications with stable and reliable of RF performance. Multiple installation ways are available.

Compliance	EPC Class 1 Gen 2, ISO 18000-6C
Frequency	865-940 MHz
Chip	NXP Ucode9
Memory	Ucode9: EPC96-bit, User 0 -bit
Read/write	Yes
Data Storage	20 years
Lifetime	200 wash cycles or 3 years from shipping date (whichever comes first)
Material	Polyester
Dimension	70 x 15x 1.5mm (2.756 x 0.591 x 0.059 in) 75 x 12x 1.5 mm (2.953 x 0.472 x 0.059 in) 75 x 15x 1.5mm (2.953 x 0.591 x 0.059 in) 70 x 10x 1.5 mm (2.756 x 0.394 x 0.059 in) 58 x 15x 1.5mm (2.283 x 0.591 x 0.059 in) 35 x 15x 1.5 mm (1.378 x 0.591 x 0.059 in)
Temperature	Operating :-25°C ~ +110°C, Storage: -40°C ~ +110°C
Short-term temperature	1)Washing: 90°C (194 ° F), 15 minutes, 200 cycles 2)Pre-drying: 180 *C (320 °F), 30 minutes,200 cycles 3)Ironing: 180°C (356 ° F), 10 seconds, 200 cycles Sterilization Process: 135°C (275 ° F), 20 minutes, 200 cycles
Storage	5%-95%
Installation Method	1)sewing or put into pouch 2)(option) Heat sealing under 215°C @18 seconds with 0.6MPa ~0.8MPa pressure
Weight	About ~0.7 g/piece
Package	Anti-static bag and carton
Color	White
Resistance	Mechanical resistance 60 bars
Chemicals	Normal common chemicals in the washing processes
Certification	MRI, RoHS, SVHC, GB18401 EECC, OEKO-TEXIOO (class II)
Read range	Up to 6 meters (ERP=2W) Up to 3 meters (With ATID AT880 handheld reader)
Polarization	Liner

UHF RFID textile Tag for clothing tracking

The RFID tag is widely used in the clothing stores, garment factories for inventory and identification .

Product name	RFID textile Tag
Surface Material	Textile
Work Frequency	860-960MHz
Dimension	63*22mm or customized
Antenna	Aluminum etching
Protocol	ISO/IEC 18000-6C EPC Class1 Gen2
IC chip	Ucode 8
EPC Memory	96 bits
Work Temp	-25°C~+65°C
Storage	-35°C~+70°C
Work Mode	Read and writable
Data Storage	>10 Year
Re-writable times	100,000 times
Reading distance	0-8m (Depend on reader and tag size)
Packing	2000 pcs/roll
Personalizations	Printable , encode
Application	Clothing tracking, garment identification

UHF RFID Hang Tag for clothing Tracking

The RFID hang tag is made by coated paper , which is widely used for garment, clothing tracking in retail business, clothing factory.

Product name	UHF hang Tag
Frequency	860Mhz-960Mhz
Protocol	EPC Gen 2 ISO18000-6c
Chip	NXP Ucode 8/9
Memory	EPC 128 bits / 96 bits
Reading Distance	1-10 meters (depends on the reader and working environment)
Dimension	73*21mm or customized
Antenna size	70*17mm
Material	Coated paper
Print	Offset printing
Date encoding	Yes, optional
Date retention	10 years
Reading / writing	100,000 times
Operation Temp	-20°C~+65
Application	Clothing tracking

RFID Tonken

ABS RFID TOKEN

The RFID token is made by ABS which is the good options for the asset tracking, identification, because it is small size easy to install, and waterproof suitable for the subway tikcet and outdoor application.

Model	ST-AT01
Frequency	125KHZ/13.56MHZ/865-965Mhz
Protocol	ISO14443A /ISO15693/ISO18000-6C
Material	ABS , 3M back glue is optional , anti metal layer
Chip type	TK4100,EM4100,EM4102,FM1108,NTAG213,I Code2,S50,Hitag2,EM4305 Ucode8
Demension	25/30/35/40/45/52mm
R/W	Read only, Read/Write
Reading distance	ISO14443A/ISO15693 5-15cm, ISO18000-6C (10~100cm) depends on reader
Data retention	10(years)
Waterproof	Yes, IP67

RFID PVC DISC TAG

The PVC disc RFID Tag is made by PVC (or transparent PVC) which is the good options for the asset tracking, The tag is embedded NFC 13.56 MHz chip.

Material	PVC, Transparent PVC
Protocol	ISO14443A
Frequency	13.56Mhz
Chip	F08/NTAG213/215/216/Ultralight C
Dimension	13mm/15mm/20mm/22mm/25mm/30mm or customized
Crafts more	Laser number, Hole, QR code, anti metal layer, 3M back sticker
Anti metal layer	Optional for the metal asset tracking
Value added	Data encoded, UID list provided

PPS button RFID Tag

The button RFID tag is suit for clothes and fabrics washing, which is still work good performance under 85 °C for 60 minutes continuously.
The PPS tag is widely used in Industrial Intelligence, Tracking, Automation, patrol, washing store, electricity asset tracking , washing industry, hospital/hotel bed sheets, overalls washing.

Material	PPS, Nylon
Frequency	125Khz, 13.56Mhz , 860～960MHz
Chip type	TK4100,Mifare 1k compatible, NXP S50, I CODE SLIX ,Ucode8
R/W	Read or write
Reading distance	125Khz/13.56Mhz : 1-10cm, UHF: 0~2m depend on antenna
Dimension	Ø20mm, Ø25 mm HoleØ2.5 (1 or 2 holes)
Thickness	2.55mm/3mm
Characters	Waterproof, Sun protection, Anti-soaking, Abrasion resistance
Operating Temp	85°C(Up to 60min), 120°C(Up to 10min), 200°C(Up to 10sec)

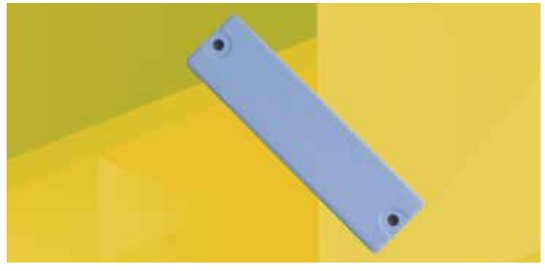
UHF Anti Metal Tag

ST-M0505 ON METAL TAG

A classic small-size & economic UHF Tag used on metal surfaces .It is made of FR4 material with NXP Ucode9 chip, size Dia.5mm, thickness 4.2mm .

ST-M952505 ON METAL TAG

A classic UHF Tag used on metal surfaces .
It is made of ABS or ASA material with NXP Ucode9 chip ,size 95mmL*25mmW*5mmH.



ST-M852011 ON METAL TAG

A classic UHF Tag used on metal surfaces.
It is made of ABS or ACA material with Inpini M4Q4T chip.
Size85mmL*20mmW*11mmH .

PCB ON METAL TAG

A popular UHF Tag used on metal surfaces
It does a stable and reliable UHF On-metal lag with the NXP Ucode8 . And size can be customized .

PRINTABLE ON METAL TAG

A classic printable UHF Tag used on metal surfaces
This product is widely used in indoor asset management warehouse management，it could be printed, it’s of stable & reliable performance.

Compliance	EPC Class1 Gen2, IS018000-6C
Frequency	902-928MHz, or 865-868MHZ
Chip	Impinj M730
Memory	EPC 128-bit, User O-bi
Read/Write	Yes
Surface Material	PET/Avery Dennison Printable White PET
Dimension	ST-MP6535: 65mmL x 35mmW x 1.25mmH (2.559 in x 1.378 in x 0.049 in) ST-MP7030: 70mmL x 30mmW x 1.25mmH (2.756 In x 1.181 in x 0.049 in) ST-MP6025: 60mmL x 25mmW x 1.25mmH (2.362 in x 0.984in x0.049 in)
Temperature Cycle test	-40aC +85°C , 7 cycles testing, 48 hours in total, passed
Dual 85 test	+85°C temperature and 85% Humidity 148 hours, passed
RoHS and SVHC	Compatible
Read Range	On metal: up to 0~8 meters On plastic: up to 0~8meters On glass：up to 0~8 meters On carton: up to 0~4 meters (Handheld reader with Impinj R2000 module+33dBm power + 4dBi antenna)

HIGH TEMPERATURE RESISTANCE METAL TAG

A kind of classic UHF Tag used On-metal surface
It is made of Engineering Plastics with Alien H3 or NXP chips and high performance waterproof -25——115°C temperature . Size including 46mmW * 31 mmL* 7.5mmH ; 37mmW *14 mmL* 7.5mmH

RFID Animal Tag

Animal Implantable Bio-glass tube Tag

The Bio-glass RFID tube Tag is used to identify animal properties with information storage and processing capabilities, and identifies built-in integrated circuits (IC chips) for animal information storage, data communication and exchange.

Material	Bio glass tube
Protocol	ISO11784/5 FDX-B
Frequency	134.2Khz,1-10cm
Chip	EM4305, Hitag S 256
Dimension	7*1.25mm, 8**1.4mm,12*2.12mm,13*3mm, 15*3mm, 30*4mm
Accessories	Syringe, or Implantable gun
Application	Animal management, poultry management

Animal RFID Ear Tag

Animal RFID TAG is used to identify animal properties with information storage and processing capabilities, and identifies built-in integrated circuits(IC chips) for animal information storage, data communication and exchange.

134.2Khz Animal Ear Tag

UHF Animal Ear Tag

Model	ST-AE01 (134.2Khz), ST-AE02 (UHF)
Material	TPU
Protocol	ISO11784 FDX-B (134.2Khz), EPC Gen 2 ISO 18000-6C (UHF)
Frequency	134.2Khz, 860Mhz-960Mhz
Reading Range	134.2Khz: 1-5cm, UHF: 1-5 meters (depends on reader)
Chip	EM4305, Hitag S 256, Ucode 8
Dimension	AE01= 30*15mm, AE02=80*70mm
Printing	silk printing, bar code , SN, Laser number, QR code

Application： Product identification, animal management, poultry management,Food trace-ability breeding prevention and Information management and tracking

UHF Reader A Serial

The UHF Reader A serial reader is widely used for the car parking system, because it is long reading distance up 20m in maxium and economic cost .

ST-A61 UHF Middle Range Reader 7DBI

Frequency	865~868MHz (EU) 902~928MHz(US)
Protocol	ISO18000-6C (EPC GEN2)
Built-in antenna	7dbi
RF power	30dbm (adjustable)
Read distance	0-6m
Work mode	active mode,answer mode,trigger mode
Size	235*235*37mm
Communication Interface	WG26.Trigger.RS232

ST-A91 UHF Middle Range Reader 9DBI

Frequency	865~868MHz (EU) 902~928MHz(US)
Protocol	ISO18000-6C (EPC GEN2)
Built-in antenna	9dbi
RF power	30dbm (adjustable)
Read distance	0-10m
Work mode	active mode, answer mode, trigger mode
Size	260*260*60mm
Communication Interface	WG26.Trigger.RS232

ST-A121 UHF Long Range Reader 12dbi

Frequency	865~868MHz (EU) 902~928MHz(US)
Protocol	ISO18000-6C (EPC GEN2)
Built-in antenna	12dbi
RF power	30dbm (adjustable)
Read distance	20m
Work mode	active mode,answer mode,trigger mode
Size	445*445*80mm
Communication Interface	WG26.Trigger.RS232

UHF Reader P Serial

This P reader is high performance UHF Long range RFID integrated reader and the reading distance up to 10-20 meters. It supports fast tag read/write with high identification rate. The reader is widely used in RFID system such as logistics, vehicle access control, and anti-counterfeit and industrial production process control system.

ST-P61 UHF Middle Range Reader 6DBI

Frequency	865~868MHz (EU) 902~928MHz(US)
Protocol	ISO18000-6C (EPC GEN2)
Built-in antenna	6dbi
RF power	30dbm (adjustable)
Read distance	0-6m
Work mode	active mode,answer mode,trigger mode,password mode
Size	190*190*30mm
Interface	Standard： RS232.WG26.RELAY Optional： TCP/IP/POE, WIFI

ST-P91 UHF Middle Range Integrated Reader 9DBI

Frequency	865~868MHz (EU) 902~928MHz(US)
Protocol	ISO18000-6C (EPC GEN2)
Built-in antenna	9dbi
RF power	30dbm (adjustable)
Read distance	8~10m
Work mode	active mode,answer mode,trigger mode,password mode
Size	260*260*60mm
Interface	Standard： RS232.WG26.RELAY Optional： TCP/IP/POE/WIFI

ST-P121 UHF Long Range Integrated Reader 12DBI

Frequency	865~868MHz (EU) 902~928MHz(US)
Protocol	ISO18000-6C (EPC GEN2)
Built-in antenna	12dbi
RF power	30dbm (adjustable)
Read distance	12~15m
Work mode	active mode,answer mode,trigger mode,password mode,mask
Size	445*445*80mm
Interface	Standard： RS232.WG26.RELAY Optional： TCP/IP/POE/WIFI

UHF Reader F Serial

The F serial Reader is high performance and fast speed reading UHF Reader, which is widely used for warehouse management, toll gate system, asset tracking system etc

ST-F91E UHF Middle Range Reader Impinj E710

Frequency	865~868MHz (EU) 902~928MHz(US)
Protocol	ISO18000-6C(EPC GEN2)
Built-in antenna	9dbi
RF power	30dbm (adjustable)
Read distance	10~15 meter (depends on tag)
Work mode	active mode,answer mode,Password mode,trigger mode
Size	305*305*60mm
Interface	Standard： RS232.WG26.Relay Optional ： TCP/IP(RJ45),POE,WIFI

ST-F121E UHF Long Range Reader Impinj E710

Frequency	865-868MHz(EU standard),902-928MHz(US standard)
Protocol	ISO18000-6C(EPC GEN2)
Built-in antenna	12dbi
RF power	30dbm(adjustable)
Read distance	20m(depends on tag)
Work mode	active mode,answer mode,trigger mode,Password mode
Size	445*445*80mm
Interface	Standard： RS232.WG26.RELAY Optional ： TCP/IP,POE,WIFI

ST-F91G UHF Middle Range Reader Senior

Frequency	865-868MHz(EU),902-928MHz(US)
Protocol	ISO18000-6C(EPC GEN2)
Built-in antenna	9dbi
RF power	30dbm (adjustable)
Read distance	10~15 meter (depends on tag)
Work mode	active mode,answer mode,Password mode, trigger mode
Size	305*305*60mm
Interface	Standard： RS232.WG26.Relay Optional ： TCP/IP(RJ45),POE,WIFI

ST-F121G UHF Long Range Reader Senior

Frequency	865-868MHz(EU standard),902-928MHz(US standard)
Protocol	ISO18000-6C(EPC GEN2)
Built-in antenna	12dbi antenna
RF power	30dbm(adjustable)
Read distance	20m(depends on tag)
Work mode	active mode,answer mode,trigger mode ,Password mode
Size	445*445*80mm
Interface	Standard： RS232.WG26.RELAY Optional ： TCP/IP,POE,WIFI

UHF High Performance Fixed Reader

The reader is designed upon fully self-intellectual property. Based on proprietary efficient digital signal processing algorithm, it supports fast tag read/write operation with high identification rate. It is widely used in RFID application systems such as logistics, access control, anti-counterfeit and industrial production process control system.

ST-8604 Four Port Reader Impinj R2000

Protocol	ISO18000-6B, ISO18000-6C(EPC GEN2)
Chip Solution	Impinj R2000
Frequency	865~868MHz (EU),902~928MHz(US)
Transmission	FHSS or Fix Frequency
RF output power	30dbm (adjustable)
Reading Distance	0-20m
Power supply	DC +9V-24V,POE
Communication	RS232/RS485/Wiegand26/TCP/IP/WIFI
Size	270*180*27mm

ST-8608 Eight Port Reader Impinj R2000

protocol	ISO18000-6B, ISO18000-6C(EPC GEN2)
Chip Solution	Impinj R2000
Frequency	865~868MHz (EU),902~928MHz(US)
Transmission	FHSS or Fix Frequency maximum inventory speed over 700pcs
Support	RSSI
RF output power	30dbm (adjustable)
Power supply	+9 DC ,POE
Interface	RS232/RS485/WG26 /TCP/IP/WIFI
Size	270x180x27mm

UHF RFID Module

The UHF RFID Module is designed based on Impinj/ Comptibale chip . Based on proprietary efficient digital signal processing algorithm, it supports fast tag read/write operation with high identification rate.

ST-M718 Eight Port Module Impinj E710

ST-M718 Four Port Module Impinj E710

Chip solution	Impinj E710 chip
Frequency	865~868MHz (EU),902~928MHz(US)
Protocol	ISO18000-6C (EPC GEN2)
RF power	33dbm (adjuatable)
Receive Sensitivity	≤-87dBm
Inventory Speed	950pcs/s
Work mode	Answer mode,real-time inventory mode
Reading distance	0~15 meter (depends on antenna & tag)
Power supply	3.3~5V DC
Interface	RS232 (TTL 3.3V level)
Antenna port	4/8 SMA female connector
GPIO	2 input & 2 output
Firmware upgrade	Support

ST-M914 Four Port Module Senior Chip

ST-M918 Eight Port Module Senior Chip

Chip solution	High performance Senior Imported Chip (compatible with Impinj R2000)
Frequency	865~868MHz (EU),902~928MHz(US)
Protocol	ISO18000-6C (EPC GEN2)
RF power	30dbm (adjuatable)
Receive Sensitivity	≤-87dBm
Inventory Speed	300pcs/s
Work mode	Answer mode,real-time inventory mode
Reading distance	0~15 meter (depends on antenna & tag)
Power supply	3.3~5V DC
Interface	RS232 (TTL 3.3V level)
Antenna port	4 /8 SMA female connector
GPIO	2 input & 2 output
Firmware upgrade	Support

UHF USB Encoder

ST-9001 is high performance UHF reader and writer,and the reading distance up to 20cm. It is used for thetag UID reading, or tag encoding due to its smart size and easy installation.

ST-9001U / ST-9001K

Protocol	ISO18000-6C(EPC Gen2)
Work Frequency	865~868MHz, 902~928MHz frequency band
RF output power	10dbm in Max (adjustable)
Reading distance	20cm
Interface	USB1.1 with VSP(Virtual Serial Port) or HID mode
Size	105*70*10mm

UHF antenna

The UHF circular antenna is widely used in RFID system such as logistics, vehicle access control, and anti-counterfeit and industrial production process control system.

ST-AN5001C

Electrical Specifications	
Model	ST-AN5001C
Frequency Range(MHz)	902-928Mhz，865-868Mhz
Bandwidth (MHz)	100MHz
Gain	5.5dBi
Horizontal Beam width °	Hor:65° Vert:58°
F/B Ratio	≧23
VSWR	≦1.3
Impedance	50 Ω
Polarization	Vertical
Max Power	100W
Connector	N-Female
Lightning Protection	DC ground
Mechanical Specifications	
IP Grade	IP67
Size(mm)	140*120*20mm

ST-AN9002C

Electrical Specifications	
Model	ST-AN9002C
Frequency Range(MHz)	902-928Mhz/865~868Mhz
Polarization	circular
Gain	9dBi
Half-power beam width(°)	Hor:60 Ver:55
Front-to-back ratio(dB)	⩾23
Impedance(Ω)	50
VSWR	⩽1.3
Maximum input power(W)	100W
Lightning protection	DC Ground
Mechanical Specifications	
Connector	N-female
Size（mm）	257×257×33mm

ST-AN1201V

Electrical Specifications	
Model	ST-AN1201V
Frequency Range(MHz)	902-928Mhz,865~868Mhz
Polarization	Horizontal or Vertical
Gain	12dBi
Half-power beam width(°)	Hor:40 Ver:40
Front-to-back ratio(dB)	⩾25
Impedance(Ω)	50
VSWR	⩽1.3
Maximum input power(W)	50
Lightning protection	DC Ground
Mechanical Specifications	
Connector	N-Female
Size（mm）	450*450*40mm
Reflector material	Aluminum

UHF Rugged Handheld Reader

ST-7500U

Performance	Model	ST-7500U
	O.S.	Android 9.0
	Processor	Octa-core 1.4GHz
	Memory	RAM： 2GB ROM： 16GB RAM： 4GB ROM： 64GB (optional)
	Extended memory	Micro-SD card, up to 128 GB
Physical specification	Dimensions	143.3mm X 169mmX90.5mm
	Weight	678g
	Display	5.7 inch HD display, 720X1440 resolution.
	Touch Screen	Ultra-sensitive capacitive touch panel ,works with gloves and wet fingers ; Corning Gorilla Glass 3; 5 fingers Multi-touch
	Main battery	Capacity： 3.85V 9000mAh

Performance	Charging time	<7 hours
	Audio	Speakers、Dual Microphones、Earphone、Receiver
	Buttons	Volume+/-x Power, Scan buttonX2, Programable button, Pistol Grip trigger button
	Camera	Front 5M Pixels, Rear 13MP auto-focus color rear camera with flash
	Sensors	Light + Accelerator+ Proximity + Geomagnetic + Gyro (optional)
	Scanning	1D/2D barcode reader Can read all international standardsID/2D barcode； Can read barcode displayed on screens and colored barcode；
	Slots	MicroSD/TFxl, Nano-SIMx2
Wireless	WAN	Dual-SIM, Dual-Standby
		4G,3G,2G
	Bluetooth	BT4.2+BR/EDR+BLE
	Wi-Fi	2-4G/5G, IEEE 802.11a/b/g/n/ac/d/e/h/i/k/r/v/w Roaming： 802.Hr/OKC/ PMKID caching
	Positioning	GPS, A-GPS, BEIDOU, GLONASS、Galileo
Environment	Temperature	-20°C ～+60°C
	Storage	-40°C ～+70°C
	Humidity	5%RH～95%RH (No condensation)
	Drop test	1.2 meters
	Tumbling	400 3.2ft./1.0m tumbles Exceeds MIL-STD810G
	Seal	IP65

RFID LABEL PRINTER TXr

The innovative structural design and utility functions of RFID printing technologies make the TXr Series printer an outstanding choice for RFID printing solutions, allowing great productivity and convenience increase for various UHF RFID printing needs.

Model	TX2r	TX3r	TX6r
Printing Method	Thermal Transfer		
Printing Resolution	203 dpi	300 dpi	600 dpi
Max Printing Speed	10 ips (254 mm/s)	8 ips (203.2 mm/s)	4 ips (101.6 mm/s)
Max Printing Width	4.09" (104 mm)	4.17"	4.17" (106 mm)
Max Printing Length	157" (4000 mm)	79" (2000 mm)	19.6" (500 mm)
HEAT™ Level	II	I	I
RFID	Integrated UHF Reader/Encoder, EPC Gen 2 Class 1/ ISO 18000-6C		
Memory	8 MB FLASH ROM, 16 MB SDRAM		
Media	Width: 4.56"(116 mm) max. 0.79" (20 mm) min. OD: 8"(203.2 mm)max. ID: 1.5" (38 mm) min.	Width: 4.56"(116 mm) max., 0.98"(25mm) min. OD: 8"(203.2 mm) max. ID: 3"(76.2 mm) min.	
Media Thickness	0.0024"(0.06 mm) ~ 0.012"(0.305 mm),including liner		
Ribbon	Ribbon roll: OD: 3.3"(84 mm)max., ID: 1"(25.4 mm)min. Max width: 4.65"(118 mm), Max length: 1968' (600 M), Ink side: both In and Out.		
Media Sensor	Up&Down Reflective (Adjustable) / Transmissive (Adjustable)		
Fonts	Five built-in dot matrix ASCII fonts, Downloadable TrueType Fonts		
Bar Code Types	1D Barcode: Code 39, Code 93, Code 128/subset A, B, C, Codabar, Interleave 2 of 5, UPC A/E 2 and 5 add-on, EAN-13/8/128, UCC-128, etc. 2D Barcode: MaxiCode, PDF417, Data Matrix, QR, etc.		
Interfaces	RS-232 Serial, 10/100 M-bit Ethernet, USB DEVICE 2.0, USB HOST, Centronics Parallel		
LCD Display	Graphic Dot Matrix		
Power Rating	110/220 VAC ±10%, 50/60 Hz		
Weight	15 kgs		
Dimensions	W 11.3" (286 mm) x D 17.6" (448 mm) x H 11.0" (280 mm)		
Operating Environment	Temperature: 32°F ~ +104°F (0°C ~ 40°C), Relative humidity: 5%~85% non condensing		
Storage Environment	Temperature: -40°F~ +140°F(-40°C ~60°C), Relative humidity: 5%~85% non condensing		
Optional Items	External Rewinder , Rotary Cutter		