

HUAHAO

RFID Tags



PRODUCT MANUAL

RFID TAGS

service · cooperate

Xuzhou Huahao Information Technology Co., Ltd.



RFID Tags Manufacturer

Professional Focused Cooperative Win-win

CONTENTS



About US

01

Hot Products

04

RFID Stickers

06

RFID Anti-metal Tags

11

RFID Laundry Tags

19

RFID Hang Tags

23

About US

In the semiconductor industrial park of Huahao RFID production base is located Gulou District, Xuzhou City. The plant covers an area of about 7000 square meters.

RFID tags, RFID readers and antennas, and various special chips, the annual label production capacity can reach 800 million pieces.

Huahao is committed to building the largest RFID IoT industrial park in the industry. It is a high-tech IoT enterprise with broad market prospects and development space About US.





Multiple RFID tag production lines

Huahao has a modern dust-free production workshop, multiple RFID tag production lines, and the introduction of binding, compounding and other production equipment and quality inspection equipment, which can meet the research and development and production of various RFID tags for applications in different fields.



Professional technical team

Huahao's RFID technology R&D team has rich experience and technical strength in product design, production, and quality management, and can provide customers with RFID customized services and RFID application solutions.



Continuously optimize services, create value for customers

Huahao continues to develop and innovate in the RFID field, unremittingly improves its core competitiveness in product research and development and customized services, and always insists on creating greater value for customers.



Strict standard control to ensure product quality

Product quality is the lifeline of an enterprise. In order to ensure product quality, Huahao strictly controls all aspects of R&D, production, and sales to ensure the consistency of product performance in each batch.



Adhere to the customer-centered service concept

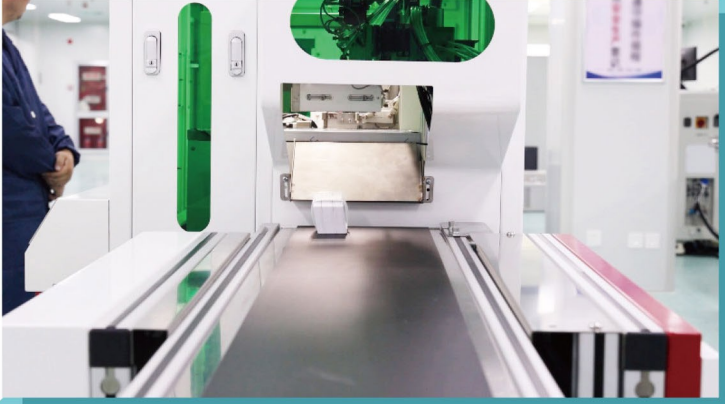
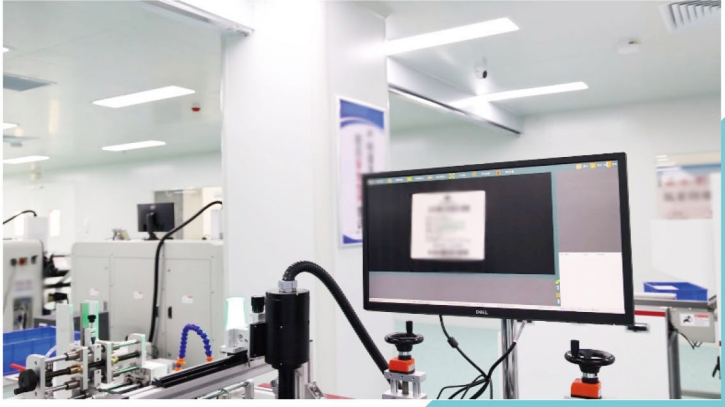
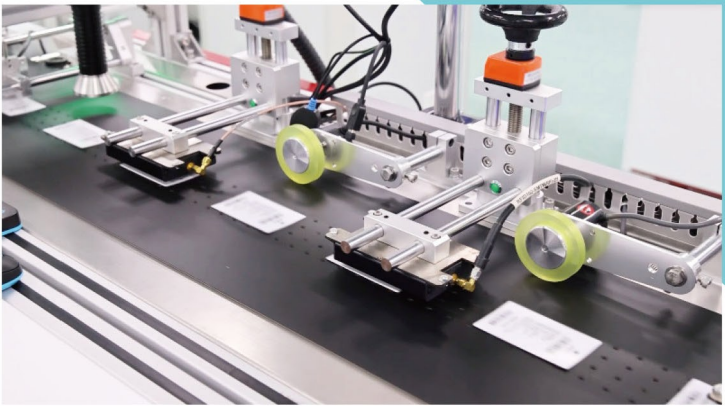
With customers as the center, Huahao provides domestic and foreign customers with the latest products, the most reasonable prices, and the highest quality services, and does its best to meet customer needs and lead the era of RFID technology sharing.



Business coverage

Huahao is deeply involved in the field of RFID tags with innovation, with excellent technology and strong strength, can quickly provide customers with professional customized services, **Its business covers 46 countries around the world.**

Factory Scene



Huahao RFID tag production workshop

Business Philosophy

Integrity management,
customer first

Corporate Vision

Become a leader in
the RFID industry

Service Philosophy

Best product,
best service

RFID Stickers



○ Application scenarios



Food industry



Medical industry



Logistics and transportation



Garment industry

RFID Stickers



Advantages

1. It can be pasted anytime and anywhere, no other tools are needed;
2. It has good waterproof and oil resistance properties and can remain clear and readable for a long time;
3. Can withstand high temperature environments and is not easy to deform or fall off.

Main Features

1. Good adhesion, can stick firmly to various kinds of materials, same surface;
2. The texture is exquisite, and the printed patterns and text are clear and vivid, which enhances the beauty of the label;
3. Easy to print, can well support various types of ink printing, and provides convenience for label production;
4. Wide scope of application, making it widely used in all walks of life application.

RFID UHF Stickers Series And Parameters



ITEM	PARAMETERS
Chip	NXPU9/Impinj MR6
Antenna Size	42*16mm
Product Size	44*19mm or customized
Material	PET or Coated Paper
Frequency	860~960MHz
Reading Distance	6.5m~9m



ITEM	PARAMETERS
Chip	NXPU9/Impinj M730 Impinj M750
Antenna Size	70*14mm
Product Size	76*20mm or customized
Material	PET or Coated Paper
Frequency	860~960MHz
Reading Distance	10m~16m



ITEM	PARAMETERS
Chip	NXPU9/ImpinjM730/Kiloway
Antenna Size	30*50mm
Product Size	34*54mm or customized
Material	PET or Coated Paper
Frequency	860~960MHz
Reading Distance	11.5m~16m



ITEM	PARAMETERS
Chip	NXPU9/Alien H10
Antenna Size	95*3mm
Product Size	125*7mm or customized
Material	PET or Coated Paper
Frequency	860~960MHz
Reading Distance	5m~15m

RFID UHF Stickers Series And Parameters



ITEM	PARAMETERS
Chip	NXPU9
Antenna Size	10*27mm
Product Size	30*14mm or customized
Material	PET or Coated Paper
Frequency	860~960MHz
Reading Distance	3m~4.5m

ITEM	PARAMETERS
Chip	Impinj M4E
Antenna Size	44*44mm
Product Size	50*50mm or customized
Material	PET or Coated Paper
Frequency	860~960MHz
Reading Distance	3m~7m



ITEM	PARAMETERS
Chip	NXPU9
Antenna Size	11*42mm
Product Size	68*26mm or customized
Material	PET or Coated Paper
Frequency	860~960MHz
Reading Distance	2m~3.5m

ITEM	PARAMETERS
Chip	NXPU9/Impinj MR6P
Antenna Size	15*40mm
Product Size	44*19mm or customized
Material	PET or Coated Paper
Frequency	860~960MHz
Reading Distance	5m~9m

RFID UHF Stickers Series And Parameters



ITEM	PARAMETERS
Chip	Alien H3 Alien H9
Antenna Size	70*17mm
Product Size	76*20mm or customized
Material	PET or Coated Paper
Frequency	860~960MHz
Reading Distance	9m~12m



ITEM	PARAMETERS
Chip	Alien H3 Alien H9
Antenna Size	70*15mm
Product Size	76*20mm or customized
Material	PET or Coated Paper
Frequency	860~960MHz
Reading Distance	8m~17m



ITEM	PARAMETERS
Chip	Alien H3 Alien H9
Antenna Size	19*93mm
Product Size	97*25mm or customized
Material	PET or Coated Paper
Frequency	860~960MHz
Reading Distance	5m~12m



ITEM	PARAMETERS
Chip	Alien H3 Alien H9
Antenna Size	8.15*94.8mm
Product Size	100*15mm or customized
Material	PET or Coated Paper
Frequency	860~960MHz
Reading Distance	10m~12m

RFID UHF Stickers Series And Parameters



ITEM	PARAMETERS
Chip	NTAG213/FM11RF08
Antenna Size	Round 22mm
Product Size	Round 25mm or customized
Material	PET or Coated Paper
Frequency	13.56MHz
Reading Distance	30cm~50cm



ITEM	PARAMETERS
Chip	NTAG213/FM11RF08
Antenna Size	Round 15mm
Product Size	Round 18mm or customized
Material	PET or Coated Paper
Frequency	13.56MHz
Reading Distance	5cm~15cm



ITEM	PARAMETERS
Chip	NTAG213/FM11RF08
Antenna Size	76*45mm
Product Size	86*54mm or customized
Material	PET or Coated Paper
Frequency	13.56MHz
Reading Distance	50cm~80cm

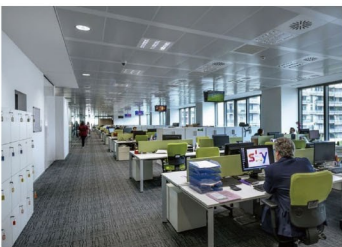


ITEM	PARAMETERS
Chip	ICODE-SLIX/F01N
Antenna Size	45*45mm
Product Size	50*50mm or customized
Material	PET or Coated Paper
Frequency	13.56MHz
Reading Distance	50cm~80cm

RFID Anti-metal Tag



○ Application scenarios



Fixed assets management



Medical Supplies



Warehouse Logistics



Intelligent production line

RFID Anti-metal Tag



Advantages

1. Label performance is stable and reliable;
2. Has a globally unique identification code (TID code);
3. The longest reading distance can reach 10 meters+;

Main Features

1. Have a global unmodifiable ID code;
2. High sensitivity;
3. 100% passed the Tagformance reading performance test;
4. Data storage ≥ 50 years;
5. Support size and color customization Main Features.











RFID Anti-metal Tag Series And Parameters

Model	Picture	Size (mm)	Chip	Storage	Application surface	Reading distance (fixed machine)		Reading distance (handheld machine)		Operating temperature	Weight (g)
						US (902-928MHz)	EU (865-868MHz)	US (902-928MHz)	EU (865-868MHz)		
H-PCBD5		Diameter 5*T4.0	Alien Higgs-3 NXP UCODE8	EPC 96bits User 512bits TID 64bits	Metal surface	100cm	90cm	60cm	55cm	-40°C~100°C	0.5
H-PCB 060302		6*3*T3.0	Alien Higgs-3 NXP UCODE8	EPC 96bits User 512bits TID 64bits	Metal surface	85cm	80cm	50cm	45cm	-40°C~100°C	0.5
H-PCB 0603		6*3*T4.0	Alien Higgs-3 NXP UCODE8	EPC 96bits User 512bits TID 64bits	Metal surface	90cm	80cm	50cm	45cm	-40°C~100°C	0.5
H-PCBD6		Diameter 6*T4.0	Alien Higgs-3 NXP UCODE8	EPC 96bits User 512bits TID 64bits	Metal surface	85cm	75cm	45cm	45cm	-40°C~100°C	0.5
H-PCB 0606		6*6*T4.0	Alien Higgs-3 NXP UCODE8	EPC 96bits User 512bits TID 64bits	Metal surface	110cm	110cm	80cm	80cm	-40°C~100°C	0.5
H-PCB 0803		8*3*T3.0	Alien Higgs-3 NXP UCODE8	EPC 96bits User 512bits TID 64bits	Metal surface	110cm	120cm	70cm	85cm	-40°C~100°C	0.5
H-PCB 1004		10*4*T3.0	Alien Higgs-3 NXP UCODE8	EPC 96bits User 512bits TID 64bits	Metal surface	135cm	135cm	90cm	75cm	-40°C~100°C	0.5
H-PCBD10		Diameter 10*T3.7	Alien Higgs-3 NXP UCODE8	EPC 96bits User 512bits TID 64bits	Metal surface	150cm	130cm	100cm	95cm	-40°C~100°C	0.5
H-PCB 1204		12*4*T1.5	NXP UCODE8	EPC 128bits TID 96bits	Metal surface	150cm	150cm	60cm	60cm	-40°C~100°C	0.2
H-PCB 1307		13*7*T3.8	Alien Higgs-3 NXP UCODE8	EPC 96bits User 512bits TID 64bits	Metal surface	250cm	240cm	150cm	140cm	-40°C~100°C	0.7

RFID Anti-metal Tag Series And Parameters

Model	Picture	Size (mm)	Chip	Storage	Application surface	Reading distance (fixed machine)		Reading distance (handheld machine)		Operating temperature	Weight (g)
						US (902-928MHz)	EU (865-868MHz)	US (902-928MHz)	EU (865-868MHz)		
H-PCBD13		Diameter 13*T2.8	Alien Higgs-3 NXP UCODE8	EPC 96bits User 512bits TID 64bits	Metal surface	150cm	130cm	110cm	90cm	-40°C~100°C	0.7
H-PCBD16		Diameter 16*T3.8	Alien Higgs-3 NXP UCODE8	EPC 96bits User 512bits TID 64bits	Metal surface	260cm	240cm	160cm	150cm	-40°C~100°C	1.5
H-PCB 1504		15*4*T2.8	Alien Higgs-3 NXP UCODE8	EPC 96bits User 512bits TID 64bits	Metal surface	210cm	220cm	130cm	150cm	-40°C~100°C	0.7
H-PCB 1806		18*6*T4.0	Alien Higgs-3 NXP UCODE8	EPC 96bits User 512bits TID 64bits	Metal surface	260cm	250cm	200cm	180cm	-40°C~100°C	1.2
H-PCB 2208		22*8*T3.8	Alien Higgs-3 NXP UCODE8	EPC 96bits User 512bits TID 64bits	Metal surface	450cm	470cm	260cm	300cm	-40°C~100°C	1.5
H-PCBD20		Diameter 20*T2.8	Alien Higgs-3 NXP UCODE8	EPC 96bits User 512bits TID 64bits	Metal surface	320cm	280cm	240cm	230cm	-40°C~100°C	1.9
H-PCB 2510		25*10*T2.6	Alien Higgs-3 NXP UCODE8	EPC 96bits User 512bits TID 64bits	Metal surface	325cm	300cm	250cm	240cm	-40°C~100°C	1.5
H-PCB 3005		30*5*T2.8	Alien Higgs-3 NXP UCODE8	EPC 96bits User 512bits TID 64bits	Metal surface	310cm	280cm	210cm	200cm	-40°C~100°C	0.8
H-PCB 3310		33*10*T3.5	Alien Higgs-3 NXP UCODE8	EPC 96bits User 512bits TID 64bits	Metal surface	420cm	350cm	280cm	250cm	-40°C~100°C	3
H-PCB 3613		36*13*T3.5	Alien Higgs-3 NXP UCODE8	EPC 96bits User 512bits TID 64bits	Metal surface	470cm	450cm	270cm	250cm	-40°C~100°C	4.2

RFID抗金属标签系列及参数

Model	Picture	Size (mm)	Chip	Storage	Application surface	Reading distance (fixed machine)		Reading distance (handheld machine)		Operating temperature	Weight (g)
						US (902-928MHz)	EU (865-868MHz)	US (902-928MHz)	EU (865-868MHz)		
H-PCB 1307		40*10*T2.7	Alien Higgs-3 NXP UCODE8	EPC 96bits User 512bits TID 64bits	Metal surface	450cm	420cm	300cm	280cm	-40°C~100°C	2.2
H-PCBD40		Diameter 40*T3.0	IMPINJ R6-P	EPC 96bits User 512bits TID 64bits	Metal surface	680cm	650cm	350cm	350cm	-40°C~100°C	8.2
H-PCB 5010		50*10*T1.6	Alien Higgs-3 NXP UCODE8	EPC 96bits User 512bits TID 64bits	Metal surface	280cm	250cm	190cm	170cm	-40°C~100°C	1.5
H-PCB 5213		52*13*T3.5	Impinj Monza 4QT NXP UCODE8	EPC 128bits User 512bits TID 96bits	Metal surface	530cm	520cm	280cm	270cm	-40°C~100°C	1.5
H-PCB 6020		60*20*T3.5	NXP UCODE8	EPC 128bits TID 96bits	Metal surface	900cm	900cm	550cm	550cm	-40°C~100°C	8.5
H-PCB 7020		70*20*T3.6	Alien Higgs-3 NXP UCODE8	EPC 96bits User 512bits TID 64bits	Metal surface	1000cm	1030cm	630cm	660cm	-40°C~100°C	11
H-PCB 8008		80*8*T3.5	Alien Higgs-3 NXP UCODE8	EPC 96bits User 512bits TID 64bits	Metal surface	650cm	590cm	340cm	310cm	-40°C~100°C	5
H-PCB 8020		80*20*T3.6	Alien Higgs-3 NXP UCODE8	EPC 96bits User 512bits TID 64bits	Metal surface	900cm	900cm	500cm	500cm	-40°C~100°C	12
H-PCB 9020		90*20*T3.7	Alien Higgs-3 NXP UCODE8	EPC 96bits User 512bits TID 64bits	Metal surface	1080cm	1050cm	650cm	630cm	-40°C~100°C	12
H-PCB 9525		95*25*T3.6	Alien Higgs-3 NXP UCODE8	EPC 96bits User 512bits TID 64bits	Metal surface	950cm	950cm	580cm	580cm	-40°C~100°C	18

RFID Flexible Anti-metal Tags



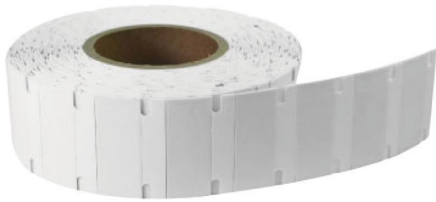
Advantages

1. Can be installed and identified on metal curved surfaces;
2. Can support multi-tag group reading and identification;
3. Support printing and card issuance in RFID printer;

Main Features

1. It is bendable and suitable for being attached to metal objects of various shapes;
2. Good metal resistance and not affected by metal environment;
3. Long reading distance, good directionality, and easy to identify;
4. Printable and customizable.

RFID Flexible Anti-metal Tags Series And Parameters



ITEMS	PARAMETERS
Frequency	920-925MHz
Chip	NXP UCODE 8
Storage	TID 96bits EPC 128bits
Application Surface	Metal Surface
Size	60*25*1.25mm
Reading Distance	Fixed: 650cm; Handheld: 500cm

ITEMS	PARAMETERS
Frequency	US902-928MHZ; EU865-868MHz
Chip	NXP U CODE 8
Storage	EPC128bits User 0bits TID96bits
Application Surface	Metal Surface
Size	60x6x1.0mm
Reading Distance	Fixed: 200cm; Handheld: 130cm



ITEMS	PARAMETERS
Frequency	US902-928MHZ; EU865-868MHz
Chip	Impinj Monza R6-P
Storage	TID 128bits User 64bits EPC 96bits
Application Surface	Metal Surface
Size	70x18x1.0mm
Reading Distance	Fixed: 400cm; Handheld: x280cm

ITEMS	PARAMETERS
Frequency	US902-928MHZ; EU865-868MHz
Chip	Impinj Monza R6-P
Storage	TID 128bits User 64bits EPC 96bits
Application Surface	Metal Surface
Size	98x42x1.0mm
Reading Distance	Fixed: 600cm; Handheld: 600cm

RFID Flexible Anti-metal Tags Series And Parameters



ITEMS	PARAMETERS
Frequency	920-925MHz
Chip	Qstar-73GB
Storage	TID 96bits User 512bits EPC 160bits
Application Surface	Metal Surface
Size	60*25*1.25mm
Reading Distance	Fixed: 520cm; Handheld: 400cm

ITEMS	PARAMETERS
Frequency	902-928MHz
Chip	NXP U CODE 8
Storage	EPC 128 bits
Application Surface	Metal Surface
Size	60x24x1.2mm
Reading Distance	Fixed: 270cm; Handheld: 130cm



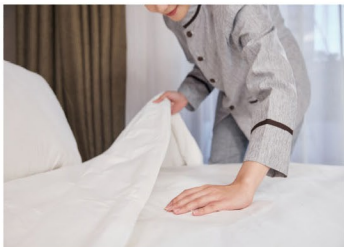
ITEMS	PARAMETERS
Frequency	US902-928MHZ; EU865-868MHz
Chip	Impinj Monza R6-P
Storage	EPC128bits User 64bits TID96bits
Application Surface	Metal Surface
Size	45x8x1.0mm
Reading Distance	Fixed: 150cm; Handheld: 100cm

ITEMS	PARAMETERS
Frequency	US902-928MHZ; EU865-868MHz
Chip	Impinj Monza R6-P
Storage	TID 128bits User 64bits EPC 96bits
Application Surface	Metal Surface
Size	45x18x1.0mm
Reading Distance	Fixed: 250cm; Handheld: 140cm

RFID Laundry Tags



○ Application scenarios



Hotel



Washing plant



Clothing



Hospital

RFID Laundry Tags



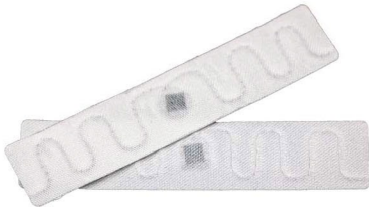
Advantages

1. An industry that truly reaches and exceeds more than 200 times wash life;
2. Materials and designs have been tested for reliability;
3. Nearly 100 million units have been shipped from the factory and have won many customers around the world recognition.

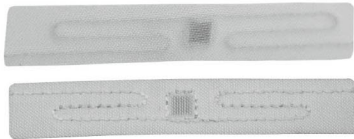
Main Features

1. Pass MRI test and can pass CT and needle test;
2. Passed the GB18401 test and is harmless to the skin;
3. Passed RoHS test, no toxic or carcinogens;
4. Passed EU SVHC test, non-toxic and noncarcinogenic substance;
5. Passed EU OEKO-TEX Std 100 test, no Toxic Chemicals;
6. Soft and not harmful to textiles.

RFID laundry tags and parameters



ITEMS	PARAMETERS
Frequency	865~940MHz
Chip	NXP Ucode9
Storage	EPC 96 bits,User 0 bits
Material	Non-woven fabric
Size	70*15*1.5mm
Read Distance	Fixed: > 6m; handheld: > 3m



ITEMS	PARAMETERS
Frequency	865~940MHz
Chip	NXP Ucode9
Storage	EPC 96 bits,User 0 bits
Material	Non-woven fabric
Size	70*10*1.5mm
Read Distance	Fixed: > 6m; handheld: > 3m



ITEMS	PARAMETERS
Frequency	865~940MHz
Chip	NXP Ucode9
Storage	EPC 96 bits,User 0 bits
Material	Non-woven fabric
Size	35*15*1.5mm
Read Distance	Fixed: > 6m; handheld: > 3m

RFID laundry tags and parameters



ITEMS	PARAMETERS
Frequency	865~940MHz
Chip	NXP Ucode9
Storage	EPC 96 bits,User 0 bits
Material	Non-woven fabric
Size	86*16*1.5mm
Read Distance	Fixed: > 6m; handheld: > 3m



ITEMS	PARAMETERS
Frequency	865~940MHz
Chip	NXP Ucode9
Storage	EPC 96 bits,User 0 bits
Material	Non-woven fabric
Size	58*15*1.5mm
Read Distance	Fixed: > 6m; handheld: > 3m



ITEMS	PARAMETERS
Frequency	865~940MHz
Chip	NXP Ucode9
Storage	EPC 96 bits,User 0 bits
Material	Non-woven fabric
Size	60*20*1.5mm
Read Distance	Fixed: > 6m; handheld: > 3m

RFID Hang Tags



○ Application scenarios



Clothing



Footwear



Luggage

RFID Hang Tags



Advantages

1. Paper card production, used for product listings and hang tags;
2. The printing is beautiful and convenient for printing text, patterns and other contents;
3. Comply with the latest international standards and be used in more industries and fields;
4. Support international agreements and apply to more countries.

Main Features

1. RFID tags can read multiple tags at the same time, greatly improving the speed and accuracy of product inventory;
2. RFID tags have a long reading distance and do not require direct contact, making it possible to quickly scan products;
3. RFID tags can also store more product information, such as batch numbers, production dates and supply chain information, providing more traceability for supply chain management.

RFID Hang Tags And Parameters



ITEMS	PARAMETERS
Size	39*83mm
Material	PET(50μm)
Chip	Impinj WEB M730
Storage	EPC 128 Bits TID 96 Bits
Frequency	860~960MHz
Read Distance	7m~15m



ITEMS	PARAMETERS
Size	114*49mm
Material	PET(50μm)
Chip	KX2005X-S
Storage	EPC 160 Bits TID 96 Bits
Frequency	860~960MHz
Read Distance	4m~12m



ITEMS	PARAMETERS
Size	44.45*69.85mm
Material	PET(50μm)
Chip	Impinj M730
Storage	EPC 128 Bits TID 96 Bits
Frequency	860~960MHz
Read Distance	7m~15m

RFID Hang Tags And Parameters



ITEMS	PARAMETERS
Size	39*83mm
Material	PET(50μm)
Chip	Alien H10
Storage	EPC 128 Bits TID 48 Bits
Frequency	860~960MHz
Read Distance	9m~12m



ITEMS	PARAMETERS
Size	114*49mm
Material	PET(50μm)
Chip	AD-23xu9
Storage	EPC 96 Bits TID 96 Bits
Frequency	860~960MHz
Read Distance	7m~15m



ITEMS	PARAMETERS
Size	44.45*69.85mm
Material	PET(50μm)
Chip	Impinj MR6P
Storage	EPC 128 Bits TID 96 Bits
Frequency	860~960MHz
Read Distance	7m~15m

Together from the customer everything for the customer



Xuzhou Huahao Information Technology Co., Ltd.

TEL : +86-199 6197 3785
E-mail: info@huahaorfid.com
Web.: www.huahaorfid.com
Add.: High-Tech Center, Xuzhou, Jiangsu, China