




















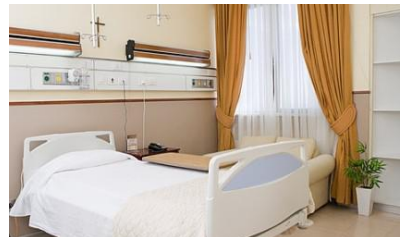
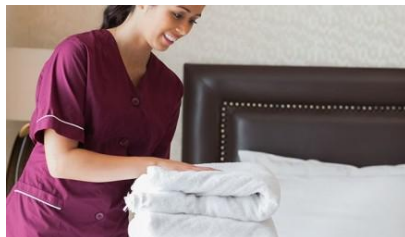


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Technology
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Laundry Tag Solution

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Photo	Name	Code	Size	Frequency (MHz)	IC	Read Range (Fixed Reader EIRP 2W Handheld Reader EIRP 1W)	Affixing	Application
 Hot	Textile laundry tag	T904	70x15x1.45 mm	865-868, 902-928	Impinj M4QT	Fixed: Up to 4.0m HHT: Up to 2.25m	  	Hotel and hospital bed linens, Gowns and towels, Uniform and work wears, Carpets and mops etc
 Hot	Textile laundry tag	T903	70x15x1.45 mm	865-868, 902-928	Ucode 7m	EU Fixed: Up to 3.5m HHT: Up to 1.75m US Fixed: Up to 4.0m HHT: Up to 2.25m	 	
 Hot	Silicone laundry Tag	N-5512	55x12x2.5 mm	860-960	Alien H3	Fixed: Up to 5m HHT: Up to 2m	 	
	Silicone laundry Tag	CE36082	100x15x2.0 mm	860-960	Alien H3	Fixed: Up to 6m HHT: Up to 2.5m	 	
	Silicone laundry Tag	N-3416	34x16x2.2 mm	860~960	Alien H3	Fixed: Up to 3m HHT: Up to 1.5m	 	
	Button Tag	TS2525	Ø25x2.5 mm	902~928 865~868	Alien H3	Fixed: Up to 1.5m HHT: Up to 0.75m	 	








Asset Management Tag Solution

Photo	Name	Code	Size	Frequency (MHz)	IC	Read Range (Fixed Reader EIRP 2W Handheld Reader EIRP 1W)	IP	Affixing	Application
	PCB tag	SP7020U	70×20×3.4 mm	902~928 865~868	M4QT	Fixed: Upto 4.0m HHT: Upto 2.0m	IP63	Adhesive Screw	On metal •Tool tracking •Instrument tracking •Electronic device management
	PCB tag	SP8020U	85×54×3.4 mm	902~928 865~868	M4QT	Fixed: Upto 4.5m HHT: Upto 2.5m	IP63	Adhesive Screw	On metal •Tool tracking •Instrument tracking •Electronic device management
	PCB tag	SP9525U	95×25×3.4 mm	902~928 865~868	M4QT	Fixed: Upto 5.5m HHT: Upto 3.5m	IP63	Adhesive Screw	On metal •Tool tracking •Instrument tracking •Electronic device management
	Slim Tough I	SP9011U	66×3×3 mm	902~928 865~868	M4QT	Fixed: Upto 1.5m HHT: Upto 0.5m	IP63	Adhesive Screw	On metal •Tool tracking •Instrument tracking •Electronic device management
	Slim Tough II	SP9011	90×11×3.4 mm	902~928 865~868	M4QT	Fixed: Upto 3.5m HHT: Upto 2.0m	IP63	Adhesive Screw	On metal •Tool tracking •Instrument tracking •Electronic device management










Asset Management Tag Solution

Photo	Name	Code	Size	Frequency (MHz)	IC	Read Range (Fixed Reader EIRP 2W Handheld Reader EIRP 1W)	IP	Affixing	Application
 Hot	asset tag	AS7025	70x25x5mm	865~868 902~928	Impinj M4QT	On metal Fixed: Up to 3 m HHT: Up to 15m Off metal Fixed: Up to 1m HHT: Up to 0.5m	IP54	Adhesive/ Wind-up	Indoor metal or non-metallic asset tracking; IT asset tracking; Metal shelf warehousing management; Cable management
 Hot	Asset tag	AS8520	85x20x11mm	865~868 902~928	Impinj M4QT	Fixed: Up to 6 m HHT: Up to 4m	IP54	Adhesive Screw	Indoor metal or non-metallic asset tracking; IT asset tracking; Metal shelf warehousing management; Cable management
 Hot	Asset Tag	AS15530	155×30×10mm	865~868 902~928	Impinj M4QT	Fixed: Up to 13m HHT: Up to 8m	IP54	Adhesive Screw	On metal • Tool tracking • Instrument tracking • Electronic device management
	Asset Tag	AS20030	200×30×10 mm	865~868 902~928	Impinj M4QT	Fixed: Up to 15m HHT: Up to 10 m	IP54	Adhesive Screw	Off metal • Tray management • Plastic container management
	Asset Tag	CE3600	102×22×6 mm 4.02×0.87×0.24 in	860~960	Alien H3	Fixed: Up to 6m HHT: Up to 3m	IP68	Adhesive Screw	Off metal & Indoor • Oil & Gas & Mining • Container







Asset Management Tag Solution

Photo	Name	Code	Size	Frequency (MHz)	IC	Read Range (Fixed Reader EIRP 2W Handheld Reader EIRP 1W)	IP	Affixing	Application
 Hot	Metalion M	R5P6535	65×35×1.25mm	860~960	Impinj MonzaR 6-P	Fixed: Up to 5 m HHT: Up to 3 m	IP54	Adhesive	Cross-industry applications that require encoding flexibility; Numerous on and off-metal, including IT assets, RTI's, bins, carts, shelving, office assets, audio/visual equipment, etc.
 Hot	Metalion L	RSP9522	95×22×1.25 mm	902~928 865~868	Impinj Monza R6P	Fixed: Up to 6 m HHT: Up to 4 m	IP54	Adhesive	
	Ceramic tag	ST1010U	∅10×1.8 mm	902~928 865~868	Alien H3	Fixed: Up to 4 m HHT: Up to 2 m	IP65	Adhesive	On metal Primarily for indoor applications within the warehouse, healthcare, IT, light manufacturing, office and numerous other applications where a rigid tag design is best suited
	Ceramic tag	ST1309U	13×9× 3 mm	902~928 865~868	Alien H3	Fixed: Up to 5 m HHT: Up to 2.5 m	IP65	Adhesive	
	Ceramic tag	ST2509U	25×9× 3 mm	902~928 865~868	Alien H3	Fixed: Up to 6 m HHT: Up to 3 m	IP65	Adhesive	
 Hot	Ceramic tag	ST2525	25x25x3mm	902~928 865~868	Alien H3	Fixed: Up to 6 m HHT: Up to 3 m	IP67	Adhesive	On metal Primarily for indoor applications within the warehouse, IT, Tool management
	Ceramic tag	Q-T8856	88x56x3mm	902~928 865~868	Impinj M4	Fixed: Up to 6 m HHT: Up to 3 m	IP67	Adhesive	<ul style="list-style-type: none"> •City Intelligent Transportation Management •Highway Non-stop ETC •Vehicle Management •Intelligent Parking System

Asset Management Labels







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Photo	Name	Code	Size	Frequency (MHz)	IC	Read Range (Fixed Reader EIRP 2W Handheld Reader EIRP 1W)	Affixing	Application
	Windshield Label (customized)	9654W	100x40 mm	860~960	Alien H3	Fixed: Upto 6m HHT: Upto 3m	Adhesive	<ul style="list-style-type: none"> • Parking management • Car rental • Car insurance • Certification • Inspection
	Spring tire tag	Q-901	50x1mm/ 84x1mm	860~960	Alien H3	Fixed: Upto 2m HHT: Upto 0.5m	Embedded	<ul style="list-style-type: none"> • Tire management • Vehicle and truck • Tire anti cloning and brand protection
	RFID tire tag (outside)	Q-902	95x35x2mm	860~960	Alien H3	Fixed: Upto 2m HHT: Upto 0.5	Adhesive	<ul style="list-style-type: none"> • Tire management • Vehicle and truck • Tire anti cloning and brand protection
	RFID tire tag (outside)	Q-903	95x35x2mm	860~960	Alien H3	Fixed: Upto 2m HHT: Upto 0.5	Adhesive	<ul style="list-style-type: none"> • Tire management • Vehicle and truck • Tire anti cloning and brand protection







Retail Management labels

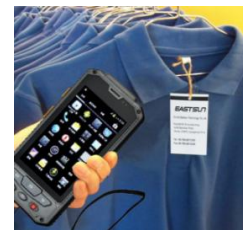
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Photo	Code	Antenna	Die-cutting Size	Frequency (MHz)	IC	Read Range (Fixed Reader EIRP 2W Handheld Reader EIRP 1W)	Affixing	Applications
	E9662	70x17mm	73.5x21.2mm	860~960	Alien H3	Fixed: Upto6m HHT: Upto4m	Adhesive	warehouse, apparel, retail
	E9654	93x19mm	96.5x23.2mm	860~960	Alien H3	Fixed: Upto8m HHT: Upto5m	Adhesive	Windshield, warehouse, retail
	E9640	94.8x8.15mm	98.18x12.31mm	860~960	Alien H3	Fixed: Upto8m HHT: Upto5m	Adhesive	warehouse, apparel
	EH47	44x44mm	50x50mm	860~960	M4QT/M4E	Fixed: Up to 10m HHT: Upto6m	Adhesive	apparel, logistic, warehouse etc tracking
	TJ8613	66.5x12mm	68*13mm	860~960	M5	Fixed: Upto3m HHT: Upto1.5m	Adhesive	Jewelry
	E-D7	95x3mm	124x7mm	860~960	U CODE 7	Fixed: Upto1.5m HHT: Upto0.5m	Adhesive	Library

Retail Management tags

RFID Technology Specialized Products Solutions Provider

Photo	Name	Code	Size	Frequency (MHz)	IC	Read Range (Fixed Reader EIRP 2W Handheld Reader EIRP 1W)	Affixing	Application
	Dual band tag	T801A/R	62x25x19mm	860~960/ +58khz/8.2mhz	Impinj M5	Fixed: Upto6m HHT: Upto3m	Pin/ lanyard	Apparel management •Clothing •Shoe •Bag •Glasses
	Dual Band tag	T791A/R	88*30*18mm	860~960/ +58khz/8.2mhz	Alien H3	Fixed: Upto5m HHT: Upto2m	Pin	•Apparel management
	RFID Pin	T823A	φ35x5mm	860~960	Impinj R6-P	Fixed: Upto6m HHT: Upto3m	Work with hard tag	Tpparel management Upgrade to EAS+RFID hard tag
	Hang tag	LT6240	62*40mm	860~960	Alien H3	Fixed: Upto3m HHT: Upto15m	Hang on	•Apparel managemen Brand protection warehousel managemen



Notes on tag selection

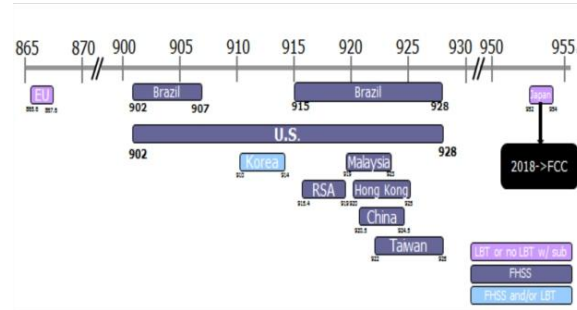
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Here are some primary points of consideration when selecting an RFID



Frequency: The tag's frequency is different in EU, US, and Global from our offer. Before selecting the tag, please advise which region you will use the tag.

- EU means the read range is tuned to the best between operation frequency 865-868MHz. It covers the region of European countries and the Middle East etc.
- US means the read range is tuned to the best between operation frequency 902-928MHz. It covers the region of America countries and most of Asia countries.
- Global means the tag is compliant worldwide with the different frequencies of the Americas, Europe, the Middle East, Asia and Africa.



RFID chips: The tags use diverse RFID chips from top chip suppliers Alien, Impinj, NXP. The memory of the different chips will be one of key factors for your application.

IC Chip	Al en		Impinj					NXP			
	Higgs 3	Higgs 4	Monza 4QT	Monza 4E	Monza 4D	Monza 5	R6	G2IL	G2IL+	G2XL	Ucode 7
EPC	96	128	128	496	128	128	96	128	128	240	128
User	512	128	512	128	32	None	None	None	None	None	None
TID	64	64	64	64	64	48	48	64	64	64	96
KHIPW	32	32	32	32	32	32	None	32	32	32	32
Access PW	32	32	32	32	32	32	None	32	32	32	32

What read range do you desire?

Generally the bigger the antenna size is, the better the read range has, however it is also related to the chips, design patterns, material etc.

The read range of the products on this catalog is based on our lab test and reader power is EIRP 2W.

In all instances tag performance is subject to and dependent on the item being tagged, the bonding agent applied, the nature of the RFID reader used to read the tag and the specific environment in which the tag is to be read.

What type of surface will be tagged? Metal, plastic, wood, fabric, etc.?

The surface to be tagged will affect the read range performance-especially the high dielectric constant materials like metal and liquid which will significantly affect performance.

The tags we offer have on-metal tags as well as off-metal tags. The on-metal tag is especially designed to help enhance the performance of the tag when applied to metal surfaces.

The environmental conditions, heat, cold, moisture, impact, etc.

IP rate will be an important factor for some excessive environmental conditions.

- Tags to be used indoor, normal IP65 would be ok.
- Tags to be used outdoor, the tag should be IP67 or above.
- Tags to be used in water, the tag must be IP68 or above.

Method of attachment

Tagging methods vary, based on an item's shape, size, material and texture, as well as the environmental conditions. The tags offering provide various methods of attachment for different applications, including adhesive, lock-removable, sewn-in, hang-on, wind-up, embed, cable tie etc...

Notes on user guidance

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Guide for label and tag with glue



The adhesive performance is affected by the factors including the affixed surface material, roughness, dirtiness, pressure, storage time, peel speed, temperature, humidity etc. The standard glue has limited application range and is recommended to be used on normal paper, cardboard, ABS plastic, PMMA. **So there are no adhesive labels or tags can be applied to the objects of any material.**

Special glue should be customized for some other surface material or special finished material depending on application.

For maximum adhesion, the following tips should be taken:

- The recommended storage temperature at 25°C and humidity at 40%RH, the operation limits -20°C to + 60°C, 30%-70% RH
- Before sticking, make sure the affixing item is clean and dry
- Stick and press the tag to affix it well
- The adhesive performance will be best after 24 hours.

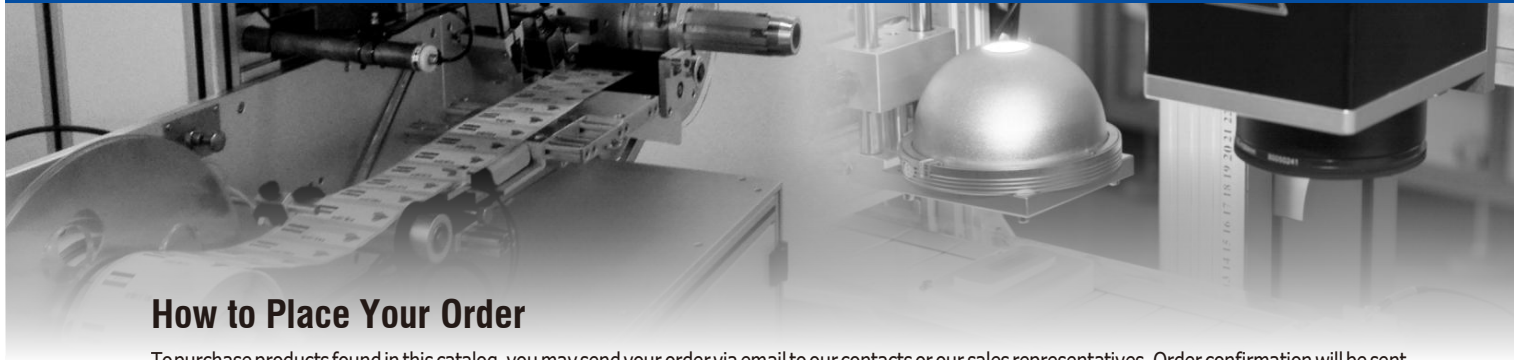
Guide for On-metal tag



- On metal tag is suggested to be used on metal surfaces only. The performance will not reach its designed performance when used on other surfaces.
- The read rate and lifetime of the tag will depend on the temperature conditions. Cold temperatures below specification may slow read rates. High temperatures can cause erratic performance.
- For maximum adhesion, the following steps should be taken:
 1. Clean surface using Isopropyl alcohol, alcohol pad or equivalent solvent ensuring surface is free from dirt, dust, oil and misc debris that may affect adhesion
 2. Handle tag by edges, peel release liner from back ensuring not to touch adhesive
 3. Place tag in desired tagging location and firmly apply even pressure to tag for 5 seconds
 4. Do not disturb newly mounted tag for at least 15 minutes to ensure proper adhesive seating

Order information

RFID Technology Specialized Products Solutions Provider



How to Place Your Order

To purchase products found in this catalog, you may send your order via email to our contacts or our sales representatives. Order confirmation will be sent back to you within 24 hours during workdays.

To help us serve you better, please kindly advise the product name, product code, and detailed specification, including the frequency range, material, chip, size, color, printing, encoding formats etc.

- Contents options: QR code, Barcode, Variable Number, Customized artwork, Customized Text

Personalization Available

Pre-Printing options:

Methods options based on the products: Ink printing, Laser Marking, InkJet Printing, Printed label Sticker

Pre-Encoding options:

- Encoding area option: EPC/ User memory/Kill password/ Access password
- Encryption option: Lock/ Perma-lock; Unlock/ Perma-unlock
- Contents option: TID / Serial number / Read Barcode to encode/ Customized

