



RFID
Technology
Specialized Products
Solutions Provider



*When you work with
Century RFID, you get:*

*Experienced design and
manufacturing services*

Personalized design tags

*Expert assistance with tag
selection*

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About Century RFID

Hangzhou Century Link Technology Co., Ltd (Century RFID) is an RFID high-tech enterprise which integrates R&D, production and sales of RFID labels and tags.

As a leader in innovative RFID tag and label solutions and services, Century RFID serves customers around the world. Established in January 2013, it has grown out of the R&D Center of Hangzhou Century Co., Ltd and is a wholly-owned subsidiary of the company.

Century's RFID labels and tags R&D team includes more than 80 experienced and well-educated professional technicians. The company closely cooperates with top university and research institutes in China to develop proprietary RFID labels, tags and RFID reader antennas, for use in metal, liquid or other challenging surroundings.

Century's products are widely used in the global retail, apparel, logistics, healthcare, manufacturing, library and asset management industries. The company has a complete RFID product portfolio with more than 100 kinds of labels and tags, including HF and UHF conventional and special labels and tags, as well as NFC labels and tags.

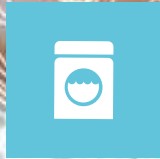
About Century Group

The company was established in 1995 and went public on the Shenzhen stock market in 2010, with a stock value of 14 billion RMB in 2015. Specialized in Retail Technology and IOT Technology, including R&D, Manufacturing and Services.

For more details about Century Group, you are welcome to visit www.century-cn.com



Century RFID Products





















Laundry Tag Solution

Century's laundry tags are specially designed to meet the tracking requirements of the laundry industry and uniform management in hotels or hospitals etc. They are easily affixed onto textile products using a standard sewing process; it can be sewed along the edge of the item or embedded into the item, and can withstand washing, dry clean, as well as high temperature sterilization.

CiLink™ - Laundry Tag Solution

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
 	TexSilicon™ - L	CE37003	65×20×1.6 mm 2.56×0.79×0.06	865-868, 902-928	Impinj M4QT	Fixed: Up to 4.5m HHT: Up to 2.25m	  	Hotel and hospital bed linens, Gowns and towels, Uniform and work wears, Carpets and mops etc
 	TexSilicon™ - M	CE37001	65×15×2.6 mm 2.56×0.6×0.1	865-868, 902-928	Impinj M4QT	EU Fixed: Up to 3.5m HHT: Up to 1.75m US Fixed: Up to 4.5m HHT: Up to 2.25m	  	
 	TexSilicon Slim™	CE36083	80×11×2.6 mm 3.15×0.39×0.1	860-960	Impinj M4QT	Fixed: Up to 5m HHT: Up to 2.5m	  	
	TexSilicon™	CE36082	67×30×2.6 mm 2.63×1.18×0.1	860-960	Impinj M4QT	Fixed: Up to 3m HHT: Up to 1.5m	  	
	Laundry Tag	CE36019	55×24×2 mm 2.16×0.95×0.08 in	860-960	Alien H3	Fixed: Up to 5m HHT: Up to 2.5m	  	
	Button Tag	CE36056	Ø25×2.5 mm 0.98×0.1 in	902-928 865-868	Alien H3/H4	Fixed: Up to 1.5m HHT: Up to 0.75m	  	Uniforms, Jeans etc








Asset Management Tag Solution






Century RFID designs and manufactures all form factors of RFID Tags for all asset management needs, including a broad selection of high performance Passive UHF labels, hard tags, and on-metal tags. Our offerings will give you increased asset visibility, reduced asset costs, lower shrinkage rates and complete product life-cycle management.

Metrack™ - 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	Metrack 100	CE36097	103×24×6.8mm 4.06×0.94×0.27 in	865~868	Impinj Monza R6/MR6P	Fixed: Up to 7 m HHT: Up to 3.5 m	IP68	Adhesive Screw	<ul style="list-style-type: none"> • Metal containers • Metal shelf warehousing management • Laboratory equipment management • Hospital asset management • Process control
 Hot	Metrack 200	CE36095	136×45×11mm 5.35×1.77×0.43 in	902~928	NXP Ucode 7XM+	Fixed: Up to 12 m HHT: Up to 6 m	IP68	Adhesive Screw	Applicable for outdoor metal asset tracking and maintenance, such as heavy equipment, containers, power transformers, etc.
 Hot	Metrack 300	CE36094	150×60×12mm 5.90×2.36×0.47 in	902~928	NXP Ucode 7XM+	Fixed: Up to 15 m HHT: Up to 7.5 m	IP68	Adhesive Screw	Applicable for outdoor metal asset tracking and maintenance, such as heavy equipment, containers, power transformers, etc.

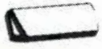






TLink™ - Asset Management Tag Solution

Photo	Name	Code	Size	Frequency (MHz)	IC	Read Range (Fixed Reader EIRP 2W Handheld Reader EIRP 1W)	IP	Affixing	Application
	Tough I	CE38003	70×20×3.5 mm 2.76×0.79×0.14	902~928 865~868	Alien H3	Fixed: Up to 4.5 m HHT: Up to 2.5 m	IP68	Adhesive Screw	On metal • Tool tracking • Instrument tracking • Electronic device management
Hot 	Tough II	CE36001	85×20×3.5 mm 3.35×0.79×0.14	902~928 865~868	Alien H3	Fixed: Up to 3.5 m HHT: Up to 2 m	IP68	Adhesive Screw	On metal • Tool tracking • Instrument tracking • Electronic device management
	Ultra Slim Tough I	CEW8001	66×3×4 mm 2.59×0.16×0.13	902~928 865~868	Alien H3	Fixed: Up to 4.5 m HHT: Up to 2.5 m	IP68	Adhesive Screw	On metal • Tool tracking • Instrument tracking • Electronic device management
	Slim Tough I	CEW8002	90×8×3.6 mm 3.54×0.31×0.14 in	902~928 865~868	Alien H3	Fixed: Up to 4.5 m HHT: Up to 2.5 m	IP68	Adhesive Screw	On metal • Tool tracking • Instrument tracking • Electronic device management
	Slim Tough II	CEW8003	90×11×3.6 mm 3.54×0.43×0.14 in	902~928 865~868	Alien H3	Fixed: Up to 4.5 m HHT: Up to 2.5 m	IP68	Adhesive Screw	On metal • Tool tracking • Instrument tracking • Electronic device management










TLink™ - 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	Commando	CE38006	37.6×13.6×4.6 mm 1.48×0.54×0.18 in	865~868 902~928	Impinj M4QT	On metal Fixed: Up to 5 m HHT: Up to 2.5 m Off metal Fixed: Up to 2 m HHT: Up to 1 m	IP67	Adhesive/ Wind-up	Indoor metal or non-metallic asset tracking; IT asset tracking; Metal shelf warehousing management; Cable management
 Hot	Commando-X	CE36036	50×17×8.8 mm 1.97×0.67×0.35 in	865~868 902~928	Alien H3	Fixed: Up to 3 m HHT: Up to 1.5 m	IP54	Adhesive Screw	Indoor metal or non-metallic asset tracking; IT asset tracking; Metal shelf warehousing management; Cable management
 Hot	Commando-M	CE36029	103×24×6.8 mm 4.06×0.94×0.27 in	865~868 902~928	Alien H3	Fixed: Up to 3 m HHT: Up to 1.5 m	IP54	Adhesive Screw	On metal <ul style="list-style-type: none"> • Tool tracking • Instrument tracking • Electronic device management
	Commando-L	CE36039	117×32×7.6 mm 4.6×1.26×0.3 in	865~868 902~928	Alien H3	Fixed: Up to 5 m HHT: Up to 2.5 m	IP54	Adhesive Screw	Off metal <ul style="list-style-type: none"> • Tray management • Plastic container management
	Commando-V	CE36003	102×22×6 mm 4.02×0.87×0.24 in	860~960	Alien H3	Fixed: Up to 4 m HHT: Up to 2 m	IP65	Adhesive	Off metal & Indoor <ul style="list-style-type: none"> • Tray management • Plastic container management

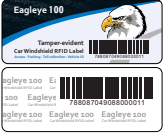




TLink™ - Asset Management Tag Solution

Photo	Name	Code	Size	Frequency (MHz)	IC	Read Range (Fixed Reader EIRP 2W Handheld Reader EIRP 1W)	IP	Affixing	Application
 Hot	Metalion M	CE38005	60×12×0.9mm 2.36×0.47×0.04in	902~928	Impinj Monza R6/R6-P	Fixed: Up to 2 m HHT: Up to 1 m	IP67	Adhesive	Cross-industry applications that require encoding flexibility; Numerous on and off-metal, including IT assets, RTIs, bins, carts, shelving, office assets, audio/visual equipment, etc.
 Hot	Metalion L	CE38004	97.5×27×0.9 mm 3.84×1.06×0.04 in	902~928 865~868	Impinj Monza R6P	Fixed: Up to 4 m HHT: Up to 2 m	IP67	Adhesive	
	iFlex-S	CE36035	60×12×3.2 mm 2.36×0.47×0.13 in	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
	iFlex-M	CE36026	75×15×2.9mm 2.95×0.59×0.11 in	902~928 865~868	Alien H3	Fixed: Up to 5 m HHT: Up to 2.5 m	IP65	Adhesive	
	iFlex-L	CE36030	100×30×2.9mm 3.94×1.18×0.11 in	902~928 865~868	Alien H3	Fixed: Up to 6 m HHT: Up to 3 m	IP65	Adhesive	
 Hot	ZipTag	CE36037	320×24×8 mm 12.6×0.94×0.31 in	902~928 865~868	Alien H3/ Impinj Monza R6/R6P/ M4QT	Fixed: Up to 4 m HHT: Up to 2 m	IP67	Wind-up	Packaged Gas, Medical, Commercial/Industrial tools, Difficult to tag assets, including gas/beverage cylinders and tanks, medical equipment and cabling
	Card	CE36016 CE36018	86×54 mm 3.39×2.13 in 50×25 mm 2.68×2.68 in	860~960	Alien H3	Fixed: Up to 5 m HHT: Up to 2.5 m	IP68	Adhesive	Off metal • People identification and management • Work in process control. • Plastic container management

Asset Management Labels


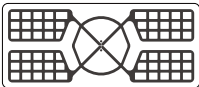


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Photo	Name	Code	Size	Frequency (MHz)	IC	Read Range (Fixed Reader EIRP 2W Handheld Reader EIRP 1W)	Affixing	Application
	Eagleye 100	CE33144	100×40 mm 3.94×1.57 in 100×32 mm 3.94×1.26 in	860~960	Impinj Monza R6/R6P	Fixed: Up to 6 m HHT: Up to 3 m	Adhesive	<ul style="list-style-type: none"> • Parking management • Car rental • Car insurance • Certification • Inspection
	Eagleye 120	CE34064	100×40 mm 3.94×1.57 in 107×29 4.19×1.14 in	860~960	Alien H3	Fixed: Up to 8 m HHT: Up to 4 m	Adhesive	<ul style="list-style-type: none"> • Parking management • Car rental • Car insurance • Certification • Inspection
	Hunter 300	CE33095	101×152.4 mm 4×6 in	900~960	Alien H3 or Customized	Fixed: Up to 4 m HHT: Up to 2 m	Adhesive	<ul style="list-style-type: none"> • Pipeline sorting • Storage management • Logistics tracking • Security verification



Asset Management Labels

RFID Technology Specialized Products Solutions Provider

Photo	Code	Antenna Size	Die-cutting Size	Frequency (MHz)	IC	Read Range (Fixed Reader EIRP 2W Handheld Reader EIRP 1W)	Affixing	Applications
	CE33022	55×15 mm	60×18 mm 2.36×0.70 in 80×80 mm 3.15×3.15 in	860~960	Alien H3/ Impinj M4QT	Fixed: Up to 3 m HHT: Up to 1.5 m	Adhesive	Off-metal fix assets, electricity meters etc
	CE33073	66×26 mm	70×30 mm 2.76×1.18 in	860~960	Alien H3/ Impinj M4QT	Fixed: Up to 6 m HHT: Up to 3 m	Adhesive	Off-metal fix assets, electricity meters etc
	CE33087	68×14 mm	70×17 mm 2.76×0.67 in	860~960	Impinj M4QT	Fixed: Up to 2 m HHT: Up to 1 m	Adhesive	Off-metal fix assets, electricity meters etc
	CE33046	60×60 mm	101.6×101.6 mm 4×4 in	902~928	Impinj M4QT	Fixed: Up to 10 m HHT: Up to 5 m	Adhesive	Logistics tracking

ODM & OEM Services

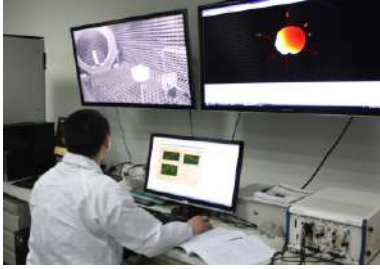
Century RFID, with more than 20 years experience in tag design and manufacturing, provides you with quick and professional ODM&OEM services worldwide to meet your personalized needs.



ODM & OEM Services

RFID Technology Specialized Products Solutions Provider

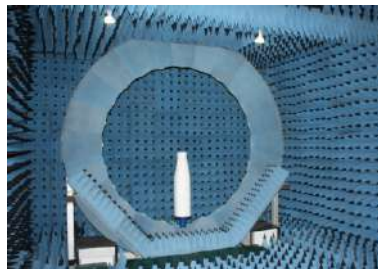
Process	Timeframe	Output
Customer Requirement		
Evaluate the feasibility and quotation	1 week	Solutions and Quotation Sketch drawing if necessary
Sign agreement and payment		Agreement if necessary
Graphic design(Antenna)	1 week	Product drawing for confirmation
Engineering	1 week	Product drawing for confirmation
Prototype	1 week	Manual Sample/Prototype
Making of Molds and Tools	3 weeks for inlay 40-50 days for plastic housing	Mold Samples
Pilot production	15 days	Samples
Mass production	T.B.C	



Wide array of patented antenna designs to meet any performance requirements.



Premium raw materials including Eco-friendly aluminum etched antennas and the latest generation chips from industry leaders.



Design verification tested for performance, conformity and environmental adaptability.



Engineering verification tested for production feasibility and stability.



100% performance consistency testing before final delivery.



Strict quality control throughout the production process to deliver a reliable and consistent product.



Mass production verification tested for yield and productivity to ensure continuous capacity.

How We Deliver the Best RFID Tags

Help and Tips



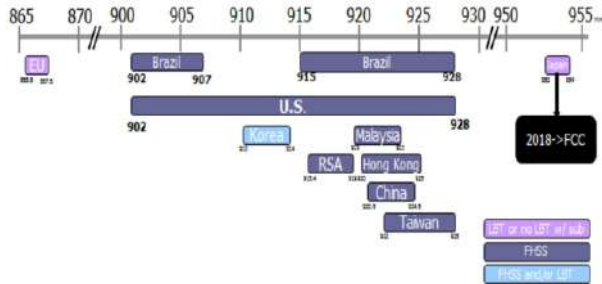
Notes on tag selection

Here are some primary points of consideration when selecting an RFID tag:



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	Alien		Impinj					NXP				
Memory	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	
KillPW	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...

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



How to Place Your Order

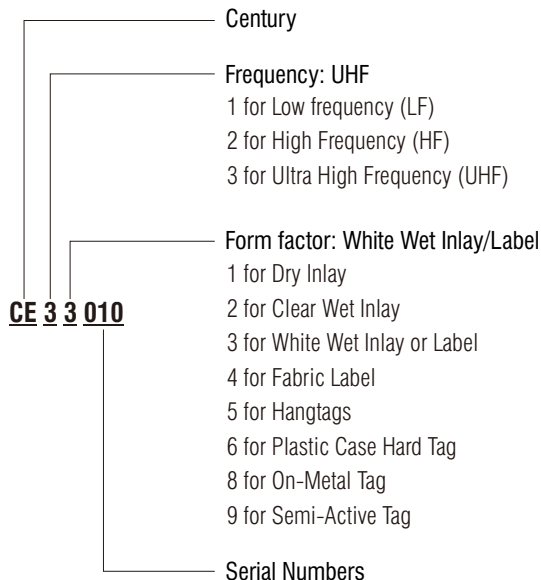
To purchase products found in this catalog, you may send your order via email to our contacts or our sales representatives. Order confirmation will be sent back to you within 24 hours during workdays.

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.

Part Number Guidance

Below is the general guide for Century Link Products Part Number for better understanding when you select the product and place your order.

Instruction and example:



Personalization Available

Pre- Printing options:

- Methods options based on the products: Ink printing, Laser Marking, Ink Jet Printing, Printed label Sticker
- Contents options: QR code, Barcode, Variable Number, Customized artwork, Customized Text

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



Accelerating RFID Tag Innovation & Value



For more information, please contact your nearest Century office:

Century RFID headquarters

E-mail: rfid.info@century-cn.com

Tel: +86-571-28818756

Century RFID America

E-mail: rfid.info@century-cn.com

Tel: (877) 801-5087

www.centurylinkrfid.com

www.century-cn.com

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