

# LDR-7025P UHF Anti-metal RFID Tag

A long-life rfid tag for indoor and outdoor metal surfaces



This product can be widely used in indoor and outdoor asset management and inspection management. The product is installed on a metal surface and has stable and reliable performance. Its long-term outdoor stability and reliability are unmatched by other products of similar size.

## Main advantages:

Air agreement	EPC Class1 Gen2; ISO18000-6C
working frequency	902-928MHz (European standard is available for the same size, and the frequency can be customized according to the application)
Chip type	NXP Ucode 7M/ 8
Chip storage	EPC 96bits + User32bits / EPC 128bits+User 0bit
Read and write performance	Readable and writable (customers can write content repeatedly into the chip)
Data preservation	20 years
Warranty	1 year
Main material	The shell is made of polymer material
Product Size	70mm *25mm* 5mm
Positioning hole size	Aperture 4.12mm, positioning hole center spacing 58mm
Operating temperature	-25℃~ +70℃
Storage temperature	-40℃~ +70℃
Storage humidity	5%~95%
Installation method	M3 or M4 size screws or rivets, super glue, double-sided adhesive (optional)
product weight	5g/piece
package	Carton
Surface color	Off-white (surface color can be customized for more than 5,000 pieces)
Drop test	Passed 200 times drop test at 1 meter height
Alcohol test	Passed the 95% alcohol test
Gasoline test	No. 92 gasoline wipe passed
Acid and alkali resistance	Can withstand acid and alkali conditions PH=5~10
High and low temperature alternating test	-40℃ ~ +70℃ 7 high and low temperature alternating cycles, a total of 2 consecutive days passed the test
RoHS	Passed, the material passed SGS certification
IP rating	IP67
Fixed reader (on metal)	More than 3 meters (4W EIRP, using Alien9900 fixed reader, if other readers, the reading distance may be different)
Handheld reader (on metal)	More than 1.5 meters (the reading distance of the Alien9011 handheld reader in an open outdoor environment, if other handhelds are used, the reading distance

	may be different)
Polarization mode	Linear polarization
RF performance consistency test	100% tested and passed (tested by Voyantic Tagformance tester from Europe and Finland)
Optional	Pre-written, laser marking, silk-screen LOGO or text, plane printing pattern or variable information
Outdoor service life	More than 10 years

**Main advantages:**

- ✓ The outdoor service life is more than 10 years, the product is anti-aging, anti-ultraviolet, and waterproof;
- ✓ The indoor service life is more than 10 years;
- ✓ 100% tested by the label conformance testing system imported from Europe;
- ✓ 100% pass memory write test;
- ✓ Material and design have been tested for reliability;
- ✓ Verified and used by well-known domestic customers;
- ✓ The product can be processed into non-metallic labels in the same size after the change;

**Main feature:**

- ✓ Label paper with or printed content can be pasted on the surface of the product;
- ✓ Exquisite silk screen printing on the label surface;
- ✓ The surface can be marked with laser;
- ✓ The product installation method is flexible and convenient;
- ✓ Resistant to weak acid and weak alkali, waterproof;

**Applications:**

- ✓ Storage rack and locomotive management;
- ✓ IT facility chassis management;
- ✓ Management of large and medium metal containers;
- ✓ Management of power boxes and power facilities;
- ✓ Management of indoor and outdoor office equipment and facilities with metal casing;
- ✓ Personnel inspection management;
- ✓ Asset management;

