

UHF Asset Tag – R101

The R101 ag is an extremely rugged, high performance tag suitable for managing assets and returnable items in the logistics and transportation industries. Available in both EU and US frequencies with a Linear polarization design with ultra-high reading rate and high tag identification sensitivity in specific directions.



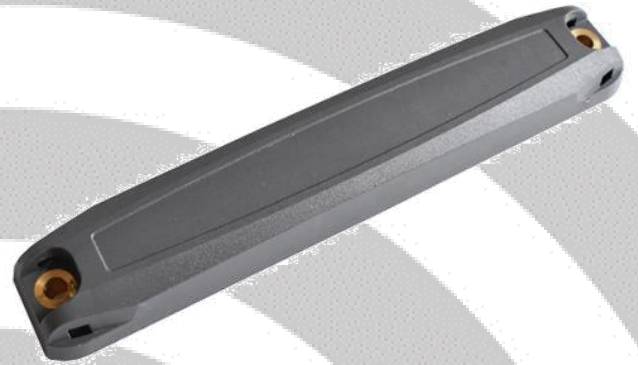
Applications:

- Supply chain management
- Warehousing logistics
- Luggage and mail management
- other logistics tracking applications

RF Specification	
Frequency	EU: 865 – 869 MHz / US: 902 – 928 MHz
Type	Passive UHF
Air Interface Protocol	EPC Global Class 1 Gen 2 ISO 18000-6C
IC Type	Monza-4QT
Memory	512 bits user memory, 128 bits EPC
Writing Cycles	100,000
Data Retention	Up to 20 Years
Read Range (2W ERP)	Metal surface:10m reader dependent Non-metallic surface: 4m reader dependent
Applicable Surfaces	All (on-metal provides best performance)
Physical Specifications	
Tag Material	ABS
Tag Dimensions	86.5 x 22.5 x 8.5mm
Weight	20g
Delivery Format	168 in a single box, Boxed size 360*260*100 mm; Weight 4.2 kg
Adhesive	Screw or Rivet, Industrial grade adhesive (not supplied)
Environmental Specifications	
Operating Temperature (Storage)	-35°C to +85°C (-35°C to +85°C)
Water Resistance	IP55
Other	Tag encoding available on request

UHF Asset Tag – R181

The R181 tag is an extremely rugged, high performance tag suitable for managing assets and vehicles in the logistics and transportation industries. Available in both EU and US frequencies with a Linear polarization design with ultra-high reading rate and high tag identification sensitivity in specific directions.



Applications:

- Logistics & Transportation
- Yard Management
- Asset Management

RF Specification	
Frequency	EU: 865 – 869 MHz / US: 902 – 928 MHz
Type	Passive UHF
Air Interface Protocol	EPC Global Class 1 Gen 2 ISO 18000-6C
IC Type	Monza-4QT
Memory	512 bits user memory, 128 bits EPC
Writing Cycles	100,000
Data Retention	Up to 20 Years
Read Range (2W ERP)	Metal surface: 18m(EU) / 18m(US) – reader dependent Non-metallic surface: 16m(EU) / 16m(US) – reader dependent
Applicable Surfaces	All (on-metal provides best performance)
Physical Specifications	
Tag Material	ABS
Tag Dimensions	155 x 27 x 14.5mm
Weight	33g
Delivery Format	72 in a single box, Boxed size 360*260*100 mm; Weight 3 kg
Adhesive	Screw or Rivet, Industrial grade adhesive (not supplied)
Environmental Specifications	
Operating Temperature (Storage)	-35°C to +85°C (-35°C to +85°C)
Water Resistance	IP55
Other	Tag encoding available on request