



Rotadura Mini

42.4 x 9 mm H10



The Rotadura Mini provides a compact digital identity for every tire in an inventory. Built with flexible material that contours to the tire surface, it supports tire tracking, vehicle management, anti-theft control, and brand protection. Operating across the global 860-960 MHz frequency range and compliant with EPC Class 1 Gen 2 / ISO 18000-63, the tag enables fast, accurate data capture across production, warehousing, logistics, and fleet operations. Each tag carries a unique, unalterable TID to ensure secure data integrity.

Designed to last the tire's lifespan, the tag is applied directly to the inner liner using a high-strength adhesive. Its compact 42.4 x 9 mm structure makes it suitable for tire manufacturers, logistics fleets, vehicle operators, and automated tire management systems.

Highlights & Benefits

- ✓ Outstanding performance
- ✓ Flexible material to contour to any shape of tire
- ✓ ETSI(865-868 MHz) and FCC(902-928 MHz) optional
- ✓ Customization-design, printing, encoding available

Applications

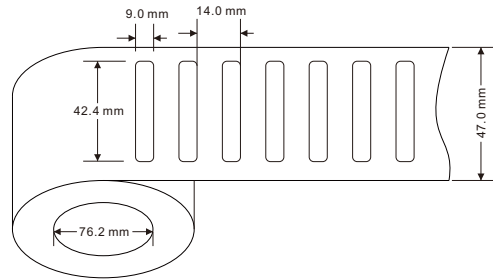
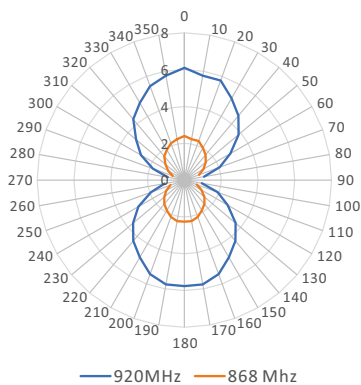
- ✓ Vehicle and truck management
- ✓ Tire anti cloning and brand protection
- ✓ Tire inventory tracking and anti theft



Technical Features

Model	RC9022
RFID Features	
Air Interface Protocol	EPC Class 1 Gen 2 / ISO 18000-63 Type C
Frequency	860-960 MHz
Chip Type	Alien Higgs 10
EPC - Memory	Up to 128 bits (nominally 96 bits)
User - Memory	Up to 32 bits (with 96 bits EPC)
TID - Memory	96 bits
Data Storage	> 10 years
Re-write	100,000 times
Read Range(2W ERP)	FCC: > 6.0 m(19.7 ft) , on rubber ETSI: > 2.3 m(7.6 ft) , on rubber
Physical Features	
Dimension	42.4 x 9 mm / 1.67 x 0.35 in
Material	PI
Color	White
Operating Temperature	-40°C to 85°C / -40°F to 185°F
Survival Temperature	-40°C to 120°C / -40°F to 248°F
Storage Condition	20±5°C, 50±10% RH, Store away from sunlight
IP Rate	IP68, test for 5 hours at 1m deep water
Other Features	
Installation	Adhesive
Customization	Printing, Encoding, Design, etc.

Radiation Pattern



PS: The performance is theoretical values in the lab and the actual effect depends on the specific applications.

RICHRFID

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