



Rotadura Wide

85 x 38 x 2.5 mm H9



The Rotadura Wide provides a permanent digital identity for every tire in an inventory. Engineered with specialized rubber compounds, it withstands the extreme heat, friction, and mechanical pressure of demanding road conditions. Operating across the global 860–960 MHz frequency range, the tag enables rapid, accurate data capture throughout manufacturing, warehousing, and distribution. This solution empowers tire manufacturers, logistics fleets, and transport operators to automate end-to-end traceability with total accuracy.

Designed to last the entire lifespan of the tire, the tag is attached to the outer sidewall using a vulcanizing agent. It is primarily applied to commercial vehicles, including bus, truck, and trailer tires, etc.

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

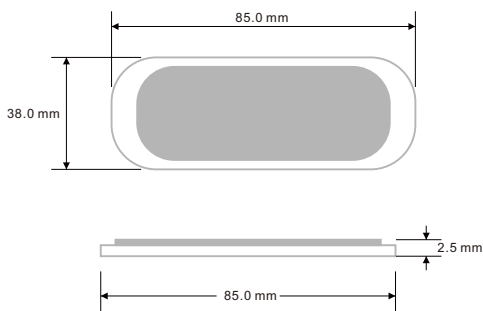
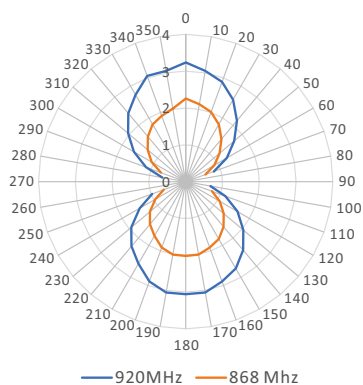
- ✓ Vehicle and truck management
- ✓ Tire anti cloning and brand protection
- ✓ Tire inventory tracking and anti theft



Technical Features

Model	RC9020-2
RFID Features	
Air Interface Protocol	EPC Class 1 Gen 2 / ISO 18000-63 Type C
Frequency	860-960 MHz
Chip Type	Alien Higgs 9
Memory	User - 688 bits; EPC - 96 bits(up to 496 bits)
Data Storage	> 10 years
Re-write	100,000 times
Read Range(2W ERP)	FCC: > 3.8 m(12.5 ft) , on rubber ETSI: > 2.5 m(8.2 ft) , on rubber
Physical Features	
Dimension	85 x 38 x 2.5 mm / 3.35 x 1.50 x 0.10 in
Material	Rubber
Weight	5.0 g
Color	Black
Operating Temperature	-40°C to 85°C / -40°F to 185°F
Survival Temperature	-40°C to 230°C / -40°F to 446°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	Fixed to the inner side wall using double curing glue or heating
Customization	Printing, Encoding, Design, etc.
Package	120 pcs / bag, 10 bags / box

Radiation Pattern



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



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