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EnC UHF RFID Tire Tracking Label

NXP UCode 9



Key Features
Operating Frequency: 865 - 867 MHz
Communication Protocol: ISO 18000-63 and EPCglobal Gen2v2
Tag Material PET
RFID Chip NXP UCode 9
Read Range Up to 15m
EPC Memory 96 bits
Tag Size 100mm(L) × 50mm(W)

Product Description

The NXP UCODE 9 PET UHF RFID Tire Label (100×50mm) is a high-performance RFID solution designed for tire manufacturing, inventory, and lifecycle tracking in tire business, fleet management, vehicle tracking, etc. With its optimized 95×45mm antenna and durable PET construction, it provides long-range readability, fast encoding, and stable performance even in challenging environments. The RFID tire label can easily withstand high pressure and exposure to rubber products, meeting the requirement of tire manufacturing firms. The UHF RFID tire label is built to be embedded or surface-applied on rubber products, balancing durability, security, and performance.

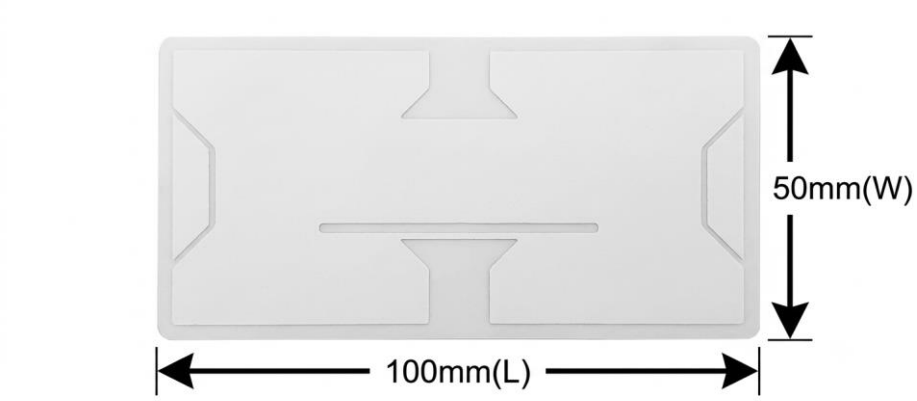
Tag Applications

- Inventory
- Supply chain management
- Logistics lifecycle tracking
- Anti-counterfeiting

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Technical Specifications	
Operating Frequency	865 - 867 MHz
Communication Protocol	ISO 18000-63 and EPCglobal Gen2v2
Read Range	Up to 15m
Chip Type	NXP UCode 9
EPC Memory	96 bits
TID Memory	96 bits
Write Cycle Endurance	100,000 cycles
Data Retention	20 years
Tag Material	PET
Tag Size	100mm(L) × 50mm(W)
Antenna Size	95mm(L) × 45mm(W)
Applicable Surface	Tires
Attachment /Mounting Method	Adhesive
Operating Temperature	-20°C to +50°C
Storage Temperature	18°C to +28°C

Product Diagram



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