

UHF RFID Tire Label



UHF



Strong Adhesive



Low Cost

A UHF RFID label with adhesive backing, designed for temporary tagging of new tires. Operates in the 860–960 MHz frequency range, supporting global UHF standards. Suitable for inventory tracking and logistics, it offers reliable read performance with standard RFID readers. The label surface supports custom printing, including barcodes, serial numbers, and branding, making it ideal for seamless integration into warehouse and retail workflows.

PHYSICAL PARAMETERS

Label Dimension	101.6mm x 152.4mm
Antenna Dimension	96mm x 26mm
Adhesive	General Purpose Permanent
Interface Material	Paper, TT Printable White Film
Packaging	Overlay Premium Plastic Packing
Printing	Black Color for QR Code & Logo

ENVIRONMENTAL SPECIFICATION

Operating Temperature	-20°C to +60°C
Storage Temperature	-20°C to +80°C
Chemical Resistance	Resistant To Chemical Solvent and Moisture
Write Cycles	100,000
Shelf Life	10 years
ESD	<= 2kV

RFID PERFORMANCE

Working Frequency	865 – 868 MHz (ETSI) / 902 – 928 MHz (FCC)
Standard Protocol	ISO/IEC 18000-6C EPCglobal Class 1 Gen 2
Chip Type	Alien Higgs-3 or customized
EPC Memory	256 bits 512 bits User Memory
TID Memory	64 bits
Read Range Fixed Reader	Up to 10m (Reader & Chip Dependent)
Read Range Handheld Reader	Up to 8m (Reader & Chip Dependent)

PERSONALIZATION

Pre-Encoding	Customer Specific Encoding of EPC
Customized Printed	Customer Specific Layout Including Logo, Text, Numbers, Barcode, etc.

ORDER INFORMATION

Part No.	IDT.RF.T.TL
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APPLICATION AREA



Supply Chain



Warehouse



Manufacturing



Logistics



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