RFID UHF Apparel Tag

The RFID UHF Paper Hang Tag is designed for apparel and retail inventory management, integrated with the Impinj M830 RAIN RFID chip. It delivers strong read sensitivity, fast inventory counting and stable long-range identification, and fully complies with EPC global UHF Gen2 Version 2 (ISO/IEC 18000-63:2015). With stable performance, reliable data integrity and powerful bulk reading capability, it supports accurate, real-time item tracking for modern retail scenarios.

Commonly applied to apparel, footwear, fashion accessories and textile products, the tag can be mounted on garments via strings or fasteners with minimal aesthetic impact. It enables automated inventory management, supply chain visibility, warehouse monitoring, item authentication, and omnichannel retail operations. It improves inventory accuracy and operational efficiency, helping brands cut labor costs and optimize customer shopping experiences.

Highlights & Benefits

- ✓ Fast and accurate bulk inventory counting
- ✓ Operates in the range of 860-960 MHz
- ✓ Real-time stock monitoring and replenishment efficiency

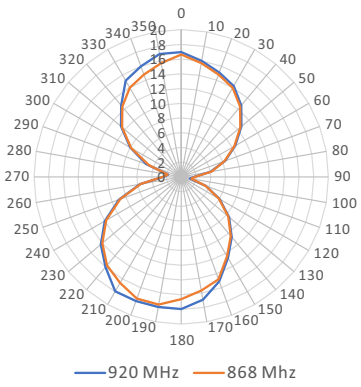
Applications

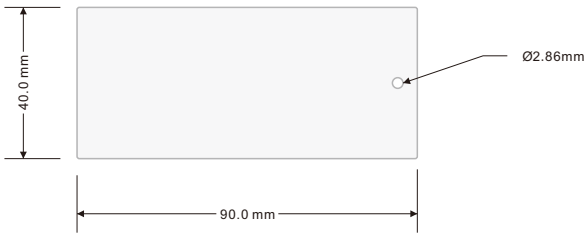
- ✓ Clothes security anti-theft
- ✓ Apparel retail management
- ✓ Clothes inventory management
- ✓ Other items security control

Technical Features

Model	RC9016
RFID Features	
Air Interface Protocol	EPC Class 1 Gen 2 / ISO 18000-63 Type C
Frequency	860-960 MHz
Chip Type	Impinj M830
Memory	User - N/A; EPC - 128 bits; TID - 96 bits
Data Storage	> 10 years
Re-write	100,000 times
Read Range(2W ERP)	FCC: > 17.0 m(55.8 ft), on clothes ETSI: > 16.5 m(54.1 ft), on clothes
Physical Features	
Dimension	90 x 40 mm / 3.54 x 1.57 in
Material	Paper
Weight	1.7 g
Operating Temperature	-40°C to 85°C / -40°F to 185°F
Survival Temperature	-40°C to 85°C / -40°F to 185°F
Storage Condition	20±5°C, 50±10% RH, Store away from sunlight
Other Features	
Installation	Hang
Customization	Printing, Encoding, Designing, etc.

Radiation Pattern





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

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