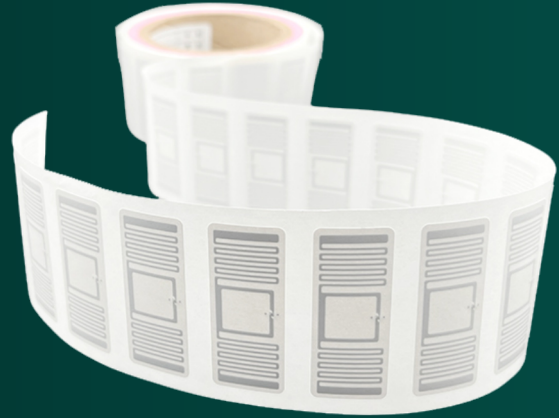


UHF | RAIN - Label CT - ECO LABEL

- Available with various UHF | RAIN - RFID chips
- Many different sizes available
- Suitable for various label printers
- Reduce plastic waste by 90%
- Same performance as traditional label



UHF | RAIN - ECO Label Sustainable RFID hardware

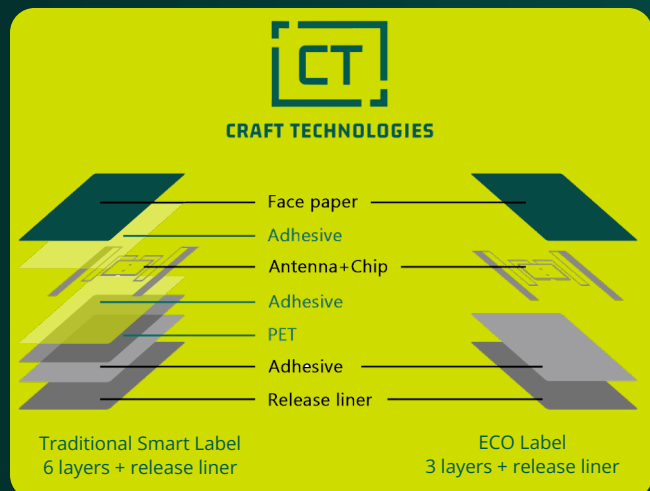
CRAFT Technologies' UHF | RAIN - RFID ECO labels are an innovative solution for businesses seeking sustainable RFID technologies. Made from eco-friendly, renewable materials, these labels can be recycled without contributing to landfill waste. By using RAIN RFID ECO labels instead of traditional AL/PET tags, businesses can significantly reduce plastic consumption and carbon emissions.

Unlike conventional UHF RFID labels, RAIN RFID ECO labels use only four layers—face paper, antenna with chip, adhesive, and release liner—eliminating PET plastic. The labels feature a printed antenna with the same performance of traditional aluminium etched antennas. Additionally, it can be embedded into packaging, ensuring non-transferability and destruction upon removal, enhancing security and authenticity.

RAIN RFID ECO labels are highly versatile and can be applied in various industries, including retail, logistics, clothing, and healthcare. In retail, they support sustainable business practices by reducing plastic waste. In logistics, they facilitate green supply chain management. The clothing industry benefits from fully recyclable tags, while in healthcare, RAIN RFID ECO labels help prevent counterfeit drugs. They are also ideal for inventory and supply chain management, as well as smart packaging, where they enable efficient tracking, digital product passport options and tamper-proof security.

Common Applications

- Retail Industry
- Healthcare Management
- Supply Chain
- Apparel Production
- Logistic & Warehouse



TECHNICAL SPECIFICATIONS

Contactless Interface

Operating Frequency	860 - 960 MHz
Supported Standards	ISO/IEC 18000-63 (RAIN RFID / EPC Global Gen2 V2)
Reading Distance	Up to 10 m (Depending on environment, reader and exact label type)
Available Chip Types	Standard: Alien Higgs 10 or NXP UCode 9 On Request: All chips from NXP, Impinj, Alien, ST and EM

Physical Characteristics

Dimension	Standard body size: 45 x 20mm or 73 x 20mm Standard antenna size: 42x16 mm or 70x15mm
Weight	< 1g
Material	Paper + Double-sided adhesive + Release liner
IP Protection	-

Certifications & Compliances

Certifications	CE, REACH & RoHS
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Environmental Characteristics

Temperature	Operating temperature: -40 - 85°C Storage temperature: -40 - 85°C
Humidity	20% - 60%RH
Chemical Resistance	-
Shock & Vibration	-

Customization Options

Available Colors	Standard colors: white
Available Options	Pre-Printing, data encoding and customized sizes

Usage Options

Environments	Retail, Healthcare, Apparel Production and Warehouse
Key Facts	PET Free, Printable Paper and Permanent Adhesive
Mounting Methods	Self Adhesive