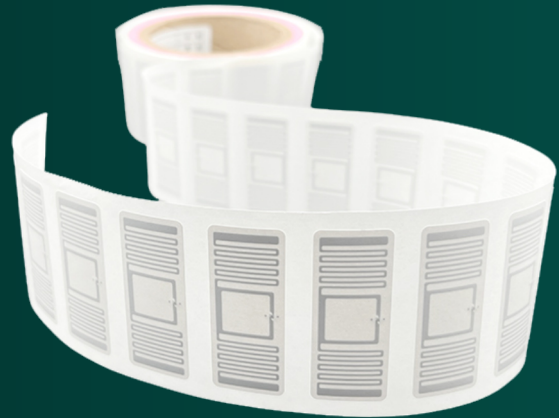


### UHF | HF - Label CT - DUAL LABEL

- Dual-frequency RFID inlay and label
- Supports HF (13.56 MHz) and UHF (860–960 MHz)
- Integrated EM4425 dual-interface chip
- Dry inlay / label delivery format
- Designed for NFC interaction and long-range UHF inventory



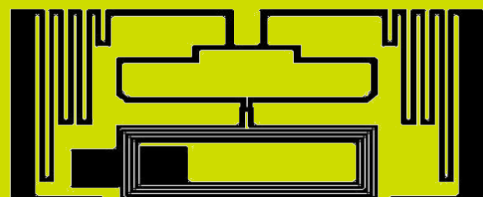
### UHF | RAIN - ECO Label Sustainable RFID hardware

The 40 × 20 mm dual-frequency RFID label from CRAFT Technologies combines HF and UHF technologies in a single inlay, enabling both near-field NFC interaction and long-range UHF inventory scanning. Powered by the EM4425 chip, the label supports EPC Class 1 Gen2 / ISO 18000-63 for UHF and ISO 14443 for HF applications.

With advanced security features including AES-128 encryption, digital signatures and tamper detection, the label is suitable for authentication-critical use cases. Its compact form factor allows seamless integration into packaging, labels and products, enabling anti-counterfeiting, consumer engagement and intelligent logistics within one RFID solution.

### Common Applications

- Intelligent logistics and warehousing
- Product authentication and anti-counterfeiting
- Supply chain traceability
- Inventory and batch management
- Brand protection and product verification



## TECHNICAL SPECIFICATIONS

### Contactless Interface

|                     |                                                                             |
|---------------------|-----------------------------------------------------------------------------|
| Operating Frequency | 13.56MHZ and 860MHz-960MHz                                                  |
| Supported Standards | ISO/IEC 18000-63 Type C<br>ISO/IEC 14443/15693                              |
| Reading Distance    | Up to 10 m<br>(UHF - Depending on environment, reader and exact label type) |
| Chip                | EM4425                                                                      |

### Physical Characteristics

|               |                                                                |
|---------------|----------------------------------------------------------------|
| Dimension     | Standard body size: 45*25mm<br>Standard antenna size: 40*20 mm |
| Weight        | < 1g                                                           |
| Material      | PET                                                            |
| IP Protection | -                                                              |

### Certifications & Compliances

|                |                  |
|----------------|------------------|
| Certifications | CE, REACH & RoHS |
|----------------|------------------|

### Environmental Characteristics

|                     |                                   |
|---------------------|-----------------------------------|
| Temperature         | Operating temperature: -20 - 50°C |
| Humidity            | 20% - 80%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,<br>Apparel Production and Warehouse |
| Key Facts        | PET Free, Printable Paper<br>and Permanent Adhesive     |
| Mounting Methods | Self Adhesive                                           |