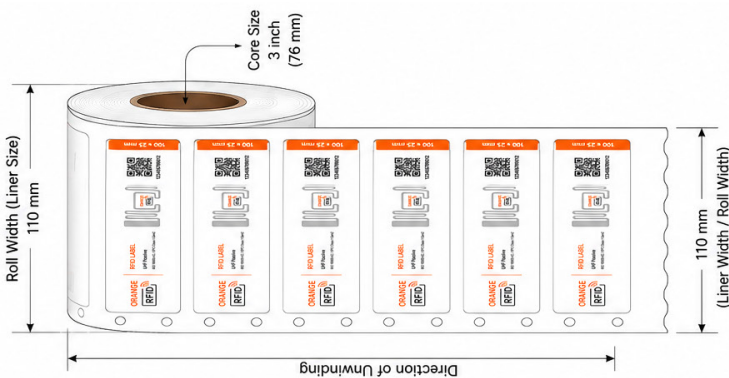




## Product Overview

Orange UHF RFID Label is a high-performance EPC Gen2v2 RFID label designed for retail, logistics, warehouse management, asset tracking, and supply chain applications.



## Physical Specifications

| Item          | Specification                     |
|---------------|-----------------------------------|
| Label Size    | 100 × 25 mm                       |
| Antenna Size  | 70 × 14 mm                        |
| Face Material | Thermal Paper / PP / PET          |
| Adhesive      | Permanent Acrylic                 |
| Liner         | Glassine Paper                    |
| Thickness     | 0.15 mm                           |
| Color         | White                             |
| Printing      | Thermal Transfer / Direct Thermal |

## Technical Specifications

| Item          | Specification                  |
|---------------|--------------------------------|
| Frequency     | 860–960 MHz                    |
| RFID Protocol | EPC Class 1 Gen2v2             |
| Standard      | ISO/IEC 18000-63               |
| Chip          | IMPINJ M7/ NXP ucode 8/ Higgs9 |
| EPC Memory    | 96–496 bits                    |
| User Memory   | According to chip              |
| TID Memory    | According to chip              |
| Read Range    | Up to 12 m (reader dependent)  |
| IC Retention  | 50 Years                       |
| Write Cycles  | 100,000                        |

## Environmental Characteristics

| Item                  | Value          |
|-----------------------|----------------|
| Operating Temperature | -20°C to +70°C |
| Storage Temperature   | -40°C to +85°C |
| Humidity              | 5–95% RH       |
| IP Rating             | Indoor Label   |

## Packaging

| Item          | Specification      |
|---------------|--------------------|
| Roll Diameter | 8 inch             |
| Core Size     | 3 inch             |
| Labels/Roll   | 1000 / 2000 / 3000 |
| Carton Qty    | Custom             |

