

XSKIN Baggage 50.8

Technical Specifications

- **RF protocol** EPC global Class 1 Gen 2, ISO 18000-63
- **Frequency** 840-960 MHz (Global)
- **IC type**(chip)¹ Kiloway
- **Chip memory** 96 bits EPC (configurable up to 240 bits), 96 bits TID, 1312 bits User Memory
- **Memory type** XLPM (super low-power permanent memory)
- **Write cycles** one time
- **Data retention** 50 years
- **Read range** fixed² Up to 22.97 ft (7 m)
- **Polarization** Omni directional

Key Features

- + **High memory:** 1,312-bit User Memory for traceability
- + **Global:** compatible with international RAIN RFID standards for seamless cross-border deployment
- + **Small size:** fit for small asset
- + **7m:** long read range off metal
- + **Passive tag:** none battery powered

Applications

- **Baggage tracking**
- **Retail inventory management**
- **Supply chain management**
- **Library management**

Environmental Specifications

Temperatures



- Operational -20°C to +50°C
- Survival -40°C to +85°C

- **Humidity** 20%-80% RH
- **Vibration** MIL-STD-810G
- **Printer compatibility** Zebra ZT411R; SATO CL4NX Plus; TSC Printronix T6000e
- **Warranty** 1 year

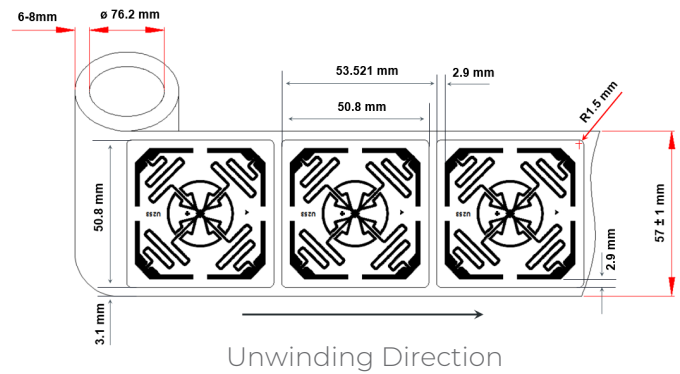
¹ The chip data retention is up to 50 years, based on chip operating under general environment conditions.

² Off metal. Actual read range may vary based upon use case and antenna power.



Physical Specifications

- **Label Material** Printable white paper
- **Reel core material** Cardboard
- **Reel core inner dimension** 76.2mm/3(in)
- **Dimensions (in)**¹ 2 x 2 x 0.01
- **Dimensions (mm)**¹ 50.80 x 50.80 x 0.25
- **Delivery format** On roll
- **Quantity per roll** 2,000
- **Weight (roll)** 3.09lbs (1.40kg)
- **Sensing type:** Gap



Mounting Systems

- Industrial adhesive

Installation Instructions

1. Clean the surface using isopropyl alcohol, an alcohol pad, or equivalent solvent to remove dust, oil, and debris that may affect adhesion.
2. Handle by the edges and peel off the release liner without touching the adhesive.
3. Position and apply the label at the desired location, pressing firmly and evenly for 5 seconds.
3. Allow to set undisturbed for at least 15 minutes to ensure proper adhesive bonding.

¹ Tolerance: +/- 0.02; +/- 0.50

Industry Compliance



Order Information

XSKIN Baggage 50.8: X5151-GL021-KX2005XG-B

Customization Options

Encoding

Printing

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