

Jewelry Tag XCTF-8108-C02

Ultra High Frequency 860-960MHz
Increased Security & Reliable Performance

Overview

The Invengo Jewelry Tag XCTF-8108-C02, which consists of a 860-960MHz transponder compliant with EPCglobal Class 1 Gen 2 standard, is a tamper-evident RFID tag specifically designed for jewelry. It is delivered on rolls to enable ease of scalability in the jewelry tracking application environments.

Each tag features a unique ID, a 240-bit EPC number and 64-bit TID. These products also provide a unique custom command set, such as Electronic Article Surveillance (EAS) for increased theft protection, and Read Protect which prevents unauthorized chip memory access. All custom commands are 32-bit access password protected.

No battery is required for the XCTF-8108-C02. When they are placed in the field of a reader antenna, the high speed RF communication interface allows transmitting data with up to 640Kbit / s (return link) and 160Kbit / s (forward link).

Prior to delivery, the XCTF-8108-C02 undergoes complete, stringent functional and parametric testing, ensuring the high quality that customers expect from Invengo.

Applications

Valued Asset Tracking

Features

- Compliant to EPCglobal C1 Gen 2 & ISO18000-6C
- Operating frequency 860-960MHz (ISM, world-wide license free available)
- Passive operation (no battery required)
- 240-bit EPC number
- 64-bit tag identifier (TID)
- 32-bit access password; 32-bit kill password
- Theft protection through EAS feature
- Read protection
- Kill command set
- Flexible attachment to tagged items
- Robust simultaneous identification

Specifications

Jewelry Tag XCTF-8108-C02

Physical Characteristics

Dimensions

91.6×12.5×0.15mm
(3.6×0.5×0.01in)

Base material

PET; aluminum

Tags per roll

5,000

Package

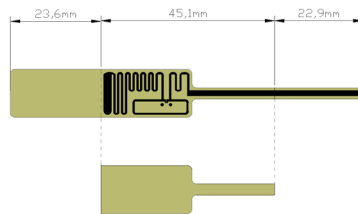
Corrugated Carton

Rolls per carton

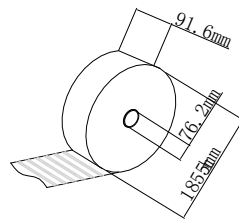
up to 4

Weight

2.65±0.05kg/roll;
11.3±0.2kg/carton
(5.8±0.11lbs/roll;
24.9±0.44lbs/carton)



Tag Dimensions
All measurements in mm



Tag Roll Dimensions
All measurements in mm

User Environment

Operating temperature

-10°C to +70°C (14°F to +158°F)

Storage temperature

-20°C to +85°C (-4°F to +185°F)

Performance Specifications

Operating frequency

860-960MHz

Supported standard

EPCglobal Class 1 Gen 2; ISO 18000-6C

Read distance

Up to 1.2m / 3.9ft (reader dependent)

Chip type

UCODE G2XL

Memory

240-bit EPC code; 64-bit TID

Data retention

> 10-year

About Invengo

Incorporated in 1999, Invengo Information Technology Co., Ltd. is a leading vendor of RFID technology and products in China. Invengo (stock symbol: 002161) is a public company listed in SZ Stock Exchange, China.

Invengo lineup consists of 6 series and more than 60 models of RFID products: fixed and handheld reader, reader module, antenna and inlay/label/tag. Invengo has been successfully providing RFID solutions and service to various sectors: railway/transportation, warehouse management, intelligent traffic/ETC, logistics and supply chain, library, assets tracking and management, etc. Invengo Performance Test Center is one of the eleven EPCglobal Accredited Test Centers around the world to perform tagged unit performance testing in a variety of real-world environments common with the supply chain.

Invengo's up-to-date production facility provides quality and economical RFID transponders in the forms of inlay, label, ticket and card, with a capacity of 150 million pieces annually.

Invengo is an ISO 9001: 2000, ISO14001 certified company and member of EPCglobal(China) and AIM(China).

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