

Jewelry Tag XCTF-8108-C04

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

Overview

The Invengo Jewelry Tag XCTF-8108-C04 is a robust RFID tag specifically designed for jewelry. It is delivered on rolls to enable ease of scalability in the jewelry tracking application environments.

Conforming to EPCglobal Class 1 Gen 2 and ISO 18000-6C, the XCTF-8108-C04 shows unprecedented performance over the entire bandwidth of 860-960MHz, reliable operation in dense RF environments, and increased readability of tags within densely packed cases. It features a 96 bit EPC number and a 32 bit tag identifier (TID).

No battery is required for the XCTF-8108-C04. In addition, its nonvolatile memory (NVM) offers 100,000 cycle/50-year retention reliability.

Prior to delivery, the XCTF-8108-C04 undergoes complete, stringent functional and parametric testing, ensuring the high quality that customers expect from Invengo.

Features

- Compliant to EPCglobal C1 Gen 2 & ISO18000-6C**
- Operating frequency 860-960MHz (ISM, world-wide license free available)**
- 96-bit EPC number; 32-bit tag identifier (TID)**
- Passive operation (no battery is required)**
- 32-bit access password; 32-bit kill password**
- Superior interference rejection yields excellent RFID performance**
- Multi tag operation**
- Flexible attachment to tagged items**

Applications

Valued Asset Tracking

Specifications

Jewelry Tag XCTF-8108-C04

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

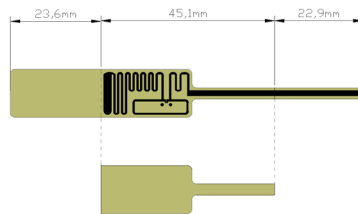
Corrugated Carton

Rolls per carton

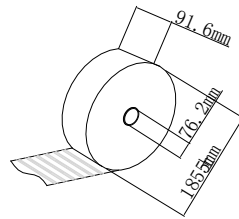
up to 4

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

Monza™ 3

Memory

96-bit EPC; 32-bit TID

Expected read cycles & data retention

100,000-cycle; 50-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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