

860-960MHz Inlay XCTF-8002

Ultra High Frequency 860-960MHz
Best of Class Performance, Cost Effectiveness

Overview

The Invengo XCTF-8002 is a high performance, passive smart inlay that is delivered on rolls to enable ease of scalability in high volume conversion and end-user application environments.

Conforming to EPCglobal Class 1 Gen 2 (ISO 18000-6C), the XCTF-8002 shows unsurpassed performance over the entire bandwidth of 860-960MHz, reliable operation in dense reader environment and long read ranges. It features an extended 240 bit EPC number and a 64 bit tag identifier, including a 32 bit unique serial number.

In addition, the XCTF-8002 provides 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.

The delivery format is dry inlay.

Applications

Airline Baggage Tagging

Logistics

Supply Chain

Features

- Compliant to EPCglobal C1 Gen 2 standard (ISO18000-6C)
- Operating frequency 860-960MHz (ISM, world-wide license free available)
- Consistent performance on different materials
- Reliable operation in multi-reader environment
- 240-bit EPC number
- 64-bit tag identifier, including 32-bit unique serial number
- Passive operation (no battery is required)
- A unique custom command set, such as EAS, Read Protect and Calibrate
- 32-bit access password; 32-bit kill password
- Fast data rate
- Multi-Tag operation

Specifications

Inlay XCTF-8002

Physical Characteristics

Dimensions

65 × 33mm (2.6 × 1.3in)

Base material

PET; aluminum

Inlays per roll

6,000

Package

Corrugated Carton

Rolls per carton

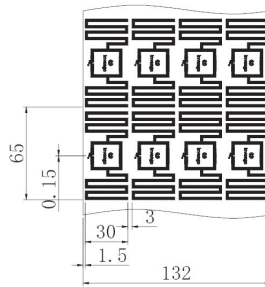
up to 4

Weight

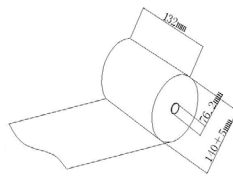
1.21±0.05kg/roll;

5.5±0.2kg/carton

2.67±0.11lbs/roll; 12.1±0.44lbs/carton



Inlay layout
All measurements in mm



Inlay Roll Dimension
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)

Operating humidity

≤80%

Performance Specifications

Operating frequency

860-960MHz

Supported standard

EPCglobal Class 1 Gen 2; ISO 18000-6C

Read distance

Up to 7m / 23.0ft (reader dependent)

Chip type

UCODE G2XL

Memory

240-bit EPC; 64-bit TID;

Functionality

Read / Write

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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