

860-960MHz Inlay XCTF-8005-C04

EPCglobal Compliant, Industry Leading Performance
Optimized for a Broad Suite of RFID Applications

Overview

The Invengo XCTF-8005-C04 is a robust, passive ultra high frequency (UHF) 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 and ISO 18000-6C, the XCTF-8005-C04 delivers unprecedented performance over the entire bandwidth of 860-960MHz, reliable operation in dense RF environments and long read ranges, and increased readability of tags on previously “difficult to tag” items and materials within densely packed cases and pallets. It features a 96 bit EPC number and a 32 bit tag identifier (TID).

Prior to delivery, the XCTF-8005-C04 undergoes complete, stringent functional and parametric testing, ensuring the high quality that customers expect from Invengo. In addition, its nonvolatile memory (NVM) offers 100,000 cycle/50-year retention reliability.

The delivery format is dry inlay.

Applications

Asset inventory and management

High-speed mass serialization

Real-time field commissioning

Supply chain tracking

Features

- Compliant to EPCglobal C1 Gen 2 & ISO18000-6C
- Operating frequency 860-960MHz (ISM, world-wide license free available)
- Consistent performance on different materials
- Reliable operation in noisy & harsh environments
- 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-label operation
- Theft control
- Product authentication
- Item-level tracking

Specifications

Inlay XCTF-8005-C02

Physical Characteristics

Dimensions

95 × 10 × 0.4mm
(3.7 × 0.4 × 0.02in)

Base material

PET; aluminum

Inlays per roll

5,000

Package

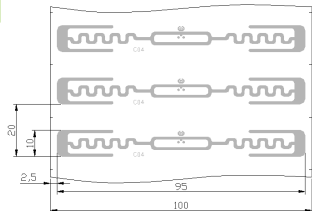
Corrugated Carton

Rolls per carton

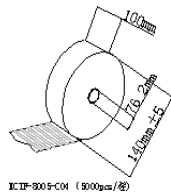
up to 6

Weight

0.9±0.05kg/roll;
6.16±0.3kg/carton
(2.0±0.1lbs/roll; 13.6±0.66lbs/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 8m / 26.2ft (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).

Contact us

Corporate Headquarters

3/F, Bldg.T2-B, High-tech Park South,
Shenzhen, Guangdong 518057 China
Tel: (86) 755 26525585
Fax: (86) 755 26525277
intl@invengo.cn

Invengo Technology Corp. (USA)

12801 Worldgate Drive, Suite 500
Herndon, VA 20170, USA
Tel: (1) 703 793 0085
Fax: (1) 703 871 3901
sales@invengo.com