

Metal Tag XCTF-8402-C03

Ultra High Frequency 860-960MHz
Rugged Design, Consistent Performance

Overview

The Invengo UHF Metal Tag XCTF-8402-C03 is designed for use on metal surfaces. It combines an exceptional read/write performance with a rugged design optimized for harsh operation environments.

Conforming to the EPCglobal Class1 Gen2 standard, the XCTF-8402-C03 addresses application areas which demand long operating distances and high anti-collision rates.

The XCTF-8402-C03 shows best-of-breed UHF performance over the 860-960MHz UHF bandwidth and reliable operation in dense reader mode. These passive metal tags feature an extended 240 bit EPC number and a 64 bit tag identifier and 512-bit on-chip user memory. The XCTF-8402-C03 provides an optimized custom command set. All custom commands are 32 bit access password protected.

In addition, the XCTF-8402-C03 includes the high performance tape enabling easy attachment to various mounting surfaces.

Applications

Asset Tracking

Supply Chain

Logistics

Features

- Compliant to EPC C1 Gen 2 standard
- Operating frequency 860-960MHz
- 240-bit EPC number
- 64-bit tag identifier
- 512-bit programable user memory
- Contact-less transmission of data and supply energy (no battery required)
- 32-bit access password
- 32-bit kill password
- Reader distance up to 2.4m/7.9ft
- Fast data rate

Specifications

Metal Tag XCTF-8402

Physical Characteristics

Dimensions

80 x 13 x 4mm
(3.1 x 0.5 x 0.2in)

Base Material

FR4; copper

Case material

ABS plastics

User Environment

Operating Temperature

-20°C to +75°C
(-4°F to 167°F)

Performance Specifications

Operating frequency

860-960MHz

Supported standard

EPCglobal Class 1 Gen2; ISO 18000-6C

Read distance

Up to 2.4m / 7.9ft
(reader dependent)

Chip type

UCODE G2XM

Memory

240-bit EPC; 64-bit TID;
512-bit programable user memory

Functionality

Read / Write

Anti-collision

Simultaneous identification of multiple tags

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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