



Metal Tag XCTF-8405-C03

Ultra High Frequency 902-928MHz
Robust Design & Exceptional Performance

Overview

The Invengo XCTF-8405-C03 is a passive UHF RFID tag designed for superior performance on a variety of surfaces, particular on metal. Confirming to EPCglobal Class 1 Gen 2 and ISO 18000-6C, this tag shows unsurpassed UHF performance, reliable operation in dense reader environment and long read ranges.

The XCTF-8405-C03 features an extended 512 bit programmable user memory, 240 bit EPC number and a 64 bit tag identifier, including a 32 bit unique serial number. This tag provides a unique custom command set, such as Electronic Article Surveillance (EAS) for increased theft protection. All custom commands are 32 bit access password protected.

Equipped with a rugged design for the extreme, harsh operating conditions, the XCTF-8405-C03 is reusable for lower cost per use and offers a variety of options including screws, rivets, and double-sided adhesive strips for ease of installation. It is compatible with the complete portfolio of Invengo mobile and fixed RFID readers.

Applications

Logistics

Asset tracking

Supply Chain

Features

- EPCglobal Class 1 Gen 2 & ISO 18000-6C compliant
- Operating frequency 902-928MHz
- 512-bit on-chip user memory
- 240-bit EPC number
- 64-bit tag identifier, including 32-bit unique serial number
- 32-bit access password, 32-bit kill password
- Fast data rate
- Multi-tag operation
- Long read range
- Consistent performance on different materials
- Reliable operation in multi-reader environment
- Theft protection through EAS feature
- Read protection

Specifications

Metal Tag XCTF-8405-C03

Physical Characteristics

Dimensions

155 x 32 x 10mm
(6.1 x 1.3 x 0.4in)

Base material

FR-4; copper

Case material

ABS plastics; PC plastics

User Environment

Operating temperature

-20°C to +70°C
(-4°F to +158°F)

Storage temperature

-40°C to +85°C
(-40°F to +185°F)

Performance Specifications

Operating frequency

902-928MHz

Supported standard

EPCglobal Class 1 Gen 2;
ISO 18000-6C

Read distance

Up to 10m / 32.8ft
(reader dependent)

Chip type

UCODE G2 XM

Memory

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

Functionality

Read / Write

Data retention

> 10 years

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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