



Metal Tag XCTF-5044

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

Overview

The Invengo Metal Tag XCTF-5044 is a dedicated, passive, intelligent transponder, especially for supply chain management and logistics applications, where operating distances of several meters can be realized.

This XCTF-5044 is a member of the Invengo UHF Tag family compliant with the ISO standards 18000-6B for item management. It offers the possibility of operating tags simultaneously in the field of the reader antenna (Anti-collision, Collision Arbitration).

The tag requires no internal power supply. Its contactless interface generates the power supply via the antenna circuit by propagative energy transmission from the interrogator (read / write device). The contactless interface demodulates data transmitted from the interrogator to the tag, and further modulates the electromagnetic field provided by the interrogator for data transmission from the tag to the interrogator.

Applications

Asset Tracking

Logistics

Supply Chain

Features

- ISO18000-6B compliant
- Operating frequency 860-960MHz
- Optimum performance on metal
- Rugged, compact design
- Contact-less energy and data transfer
- Collision arbitration, anti-collision
- High data integrity

Specifications

Metal Tag XCTF-5044

Physical Characteristics

Dimensions

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

Case material

ABS & PC

User Environment

Operating Temperature

-25°C to +70°C
(-13°F to 158°F)

Performance Specifications

Operating frequency

860-960MHz

Supported standard

ISO 18000-6B

Read distance

Up to 10m / 32.8ft
(reader dependent)

Chip type

UCODE HSL

Memory

64-bit UID;
216-byte programable user memory

Functionality

Read / Write

Data retention

> 10 years

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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