



Windshield Sticker Tag XCTF-5050

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

Overview

The Invengo Windshield Sticker Tag XCTF-5050 is a dedicated, passive, intelligent UHF transponder, of which operating distances of several meters can be realized. This tag is a member of the XCRF-5000 series UHF product family of smart inlays, labels, and tags compliant with the ISO standards 18000-B. The product family is especially designed for long range applications and 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 contact-less interface generates the power supply via the antenna circuit by propagative energy transmission from the reader, while the system clock is generated by an on-board oscillator.

The XCTF-5050 offers a ceramics substrate and an adhesive for ease of installation.

Features

- ISO18000-6B compliant
- Operating frequency: 860-960MHz
- Rugged design, consistent performance
- Secure, anti-removal
- Contact-less energy and data transfer
- Collision arbitration, anti-collision
- High Data Integrity
- Ceramics substrate with high-performance adhesive

Applications

Electronic Toll Collection (ETC)

Access Control

Cross-border Management

Specifications

Windshield Sticker Tag XCTF-5050

Physical Characteristics

Dimensions

85.6 x 54 x 1.9mm
(3.4 x 2.1 x 0.07in)

Case material

PC plastics; ceramics & tape

User Environment

Operating Temperature

-20°C to +85°C
(-4°F to 185°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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