



# Smart Card XCTF-8201A

Ultra High Frequency 860-960MHz  
Robust Design & Exceptional Performance

## Overview

The Invengo Ultra High Frequency (UHF) Smart Tag XCTF-8201A consists of 860-960MHz transponders that are compliant with EPCglobal Class 1 Gen 2 standard (ISO18000-6C).

These products offer four memory banks, including 240-bit EPC number, 64-bit Tag ID, 32-bit Passwords, and 32-bit kill password, that can each be independently locked with a password to prevent overwriting. In addition, the locking structure is protected by a 32-bit password, offering a stronger level of security.

Combining well with the Invengo UHF readers, the XCTF-8201A delivers exceptional EPC Gen 2 range and reliability in a credit card form factor at competitive prices.

## Features

- EPCglobal Class1 Gen2 (ISO18000-6C) Compliant**
- Operating Frequency 860-960MHz**
- Simultaneous identification (anti-collision)**
- Nonvolatile and multiple programmable memory**
- PET Substrate**
- Credit Form Factor**
- Compatible with printer system**

## Applications

Access Control

Library Management

Automatic Vehicle Identification

Electronic Toll Collection

## Specifications

### Smart Card XCTF-8201A

#### Physical Characteristics

**Dimensions**

85.6 × 54 × 0.84mm  
(3.4 × 2.1 × 0.3in)

**Case material**

PET

#### User Environment

**Operating Temperature**

-10°C to +50°C  
(14°F to 122°F)

#### Performance Specifications

**Operating frequency**

860-960MHz

**Supported standard**

EPCglobal Class 1 Gen 2;  
ISO 18000-6C

**Read distance**

Up to 5m / 16.4ft  
(reader dependent)

**Chip type**

UCODE G2XL

**Memory**

240-bit EPC;  
64-bit TID

**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).

## Contact us

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