



## Library Tag XCTF-8102

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

### Overview

The Invengo UHF Library Tag XCTF-8102 consists of 860-960MHz transponders that are compliant with EPCglobal Class 1 Gen 2 standard (ISO18000-6C).

These products offer four memory banks, including 96-bit EPC number, 64-bit Tag ID, 32-bit access passwords, 32-bit kill password and 224-bit user memory, 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.

Optimized for library applications, the XCTF-8102 delivers exceptional EPC Gen 2 range and reliability in a smaller form factor at competitive prices.

### Features

- EPCglobal Class 1 Gen2; ISO 18000-6C compliant
- Operating frequency 860-960 MHz
- Read / Write
- Optimized for Library Items Management
- Flexible design
- Fast read rates for dense reader environments
- Anti-collision

### Applications

Library

Bookstore

## Specifications

### Library Tag XCTF-8102

#### Physical Characteristics

**Dimensions**

140 x 6.8 x 0.4mm  
(5.5 x 0.3 x 0.02in)

**Base material**

PET; aluminum

#### User Environment

**Operating temperature**

-20°C to +75°C  
(-4°F to +167°F)

**Storage temperature**

-20°C to +80°C  
(-4°F to +176°F)

#### Performance Specifications

**Operating frequency**

860-960MHz

**Supported standard**

EPCglobal Class 1 Gen 2;  
ISO 18000-6C

**Read distance**

Up to 4m / 13.1ft  
(reader dependent)

**Chip type**

UCODE EPC G2

**Memory**

96-bit EPC;  
64-bit TID;  
224-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).

## Contact us

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