

# INVENGO TOME LABEL



80% of real size

NXP G2iM



## About Invengo's Tome

The Invengo Tome inlays equipped with the NXP G2iM are designed to enable end-users to reach and sustain high levels of performance in all global RAIN RFID (UHF) frequency regions. The Invengo Tome inlays come with dual adhesive allowing it to be invisibly integrated within books and magazines, making it an ideal solution for item-level tagging in library and retail environments.



Invengo – the global RFID technology provider – is a leading developer and manufacturer of high quality, intelligent RAIN RFID and HF/NFC connectivity solutions and consumables (tags & inlays) utilized in the Internet of Things. With a focus on RFID innovation, Invengo has created a leading product line in retail, (industrial) laundry, library, (public) transportation, healthcare, and many other industries.

Invengo Technology Pte. Ltd. (SG) is the International Headquarters of Invengo Information Technology Co. Ltd, listed on Shenzhen Stock Exchange (SZSE: 002161.SZ). Employing over 600 people globally, Invengo is one of the largest publicly traded, RFID / IoT oriented companies in the world.

## Key Benefits

- High performance product for item-level tagging
- Especially designed to be invisibly integrated in books
- The dual adhesive and slim design ensures easy application
- Serialized TID
- ISO 9001:2008 Quality Management System and ISO 14001:2004 Environment Management System support
- 100% Quality Tested

## Application Areas

- Library
- Retail
- Asset tracking

# Product Specifications

## RFID

<b>Protocols Supported</b>	EPCglobal C1 Gen 2, ISO18000-6C
<b>Integrated Circuit (IC)</b>	NXP G2iM
<b>Operating Frequency</b>	840 to 960MHz
<b>EPC size</b>	128 bits
<b>TID</b>	96 bits serialized
<b>User Memory</b>	640 bits
<b>Access password</b>	32 bits
<b>Kill password</b>	32 bits

## Environmental

<b>Operating Temperature</b>	-40°C to 85°C (-40°F to 185°F)
<b>Recommended</b>	-20°C to 50°C (-4°F to 122°F)
<b>Shelf Life</b>	Min. 2 yrs from date manufacturing in 20°C (68°F) @ 50% RH
<b>Bending Diameter</b>	> 50 mm, tension max. 10 N
<b>Static Pressure</b>	<10 MPa (10 N/mm <sup>2</sup> )
<b>ESD</b>	± 2000V peak
<b>Adhesive</b>	Acrylic

## Dimensions

<b>Antenna Size (A x B)</b>	100 x 3,5 mm (3.94 x 0.14 in)
<b>Die-cut Size (C x D)</b>	104 x 5,5 mm (4.09 x 0.22 in)
<b>Web Width (E)</b>	108 mm (4.25 in)
<b>Pitch (F)</b>	20.07 mm (0.79 in)
<b>PET Thickness</b>	0,05 mm (0.002 in)
<b>Antenna Thickness</b>	0,009 mm (0.0003 in)
<b>Die-cut to edge (G)</b>	2 mm (0.08 in)
<b>Core Size (H)</b>	76 mm (3 in)

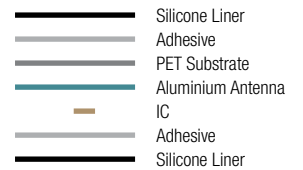
## Order Information

<b>Product code</b>	XCTF-8102B-C12
<b>Packaging</b>	Carton boxes
<b>Quantity pc p/roll; roll p/box</b>	10,000pcs/roll, 4 rolls/box
<b>Yield rate</b>	≥ 96%

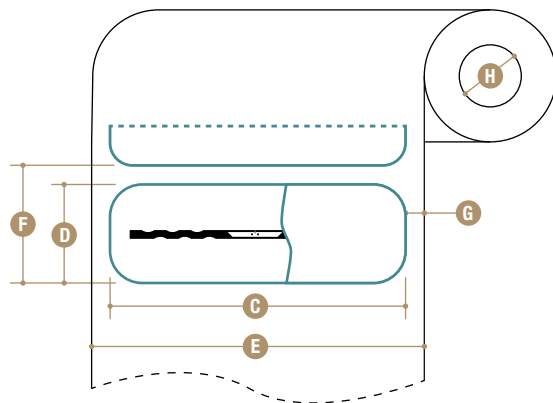
## Inlay Design



## Inlay Stackup



## Winding / Dimensions



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