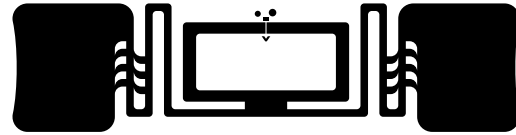


# INVENGO XWING™ LABEL



100% of real size

NXP UCODE7



## About Invengo's xWing™

The Invengo xWing™ tags and inlays, equipped with the NXP UCODE7 IC's, are designed to enable end-users to reach and sustain high levels of performance in all global RAIN RFID (UHF) frequency regions. Within the area of apparel, brand protection, industrial and supply chain management solutions, Invengo's xWing™ tag and inlays can be called one of the best in class.



Invengo – the global RFID technology provider – is a leading developer and manufacturer of high quality, intelligent RAIN RFID (UHF) 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 oriented companies in the world.

## Key Benefits

- High Supply Chain performance for a wide range of applications
- Compact slim design
- Serialized TID
- ISO 9001:2008 Quality Management System and ISO 14001:2004 Environment Management System support
- 100% Quality Tested

## Application Areas

- Item Level
- Retail
- Logistics

# Product Specifications

## RFID

<b>Protocols Supported</b>	EPCglobal C1 Gen 2, ISO/IEC18000-63
<b>Integrated Circuit (IC)</b>	NXP UCODE7
<b>Operating Frequency</b>	840 to 960 MHz
<b>EPC size</b>	Up to 128 bits
<b>TID</b>	96 bits and 48 bits serialized number
<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 77°C (-4°F to 122°F)
<b>Storage Temperature</b>	-40°C to 85°C (-40°F to 185°F)
<b>Recommended</b>	25°C (77°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
<b>Data retention</b>	50 years
<b>Endurance</b>	100.000 cycles

## Dimensions

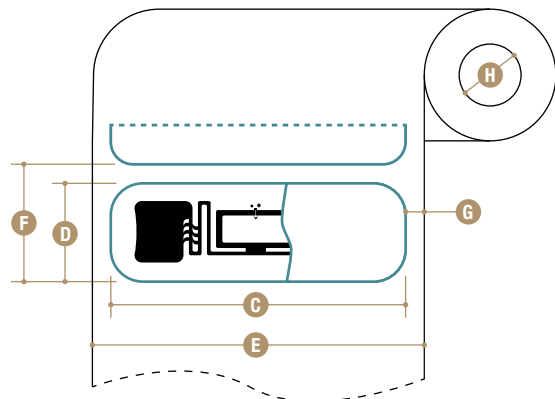
<b>Antenna Size (A x B)</b>	67,1 x 17 mm
<b>Die-cut Size (C x D)</b>	70 x 19 mm (2.76 x 0.75 in)
<b>Web Width (E)</b>	78 mm (3.07 in)
<b>Pitch (F)</b>	22,5 mm (0.88 in)
<b>PET Thickness</b>	0,05 mm (0.002 in)
<b>Antenna Thickness</b>	0,009 mm (0.0003 in)
<b>Die-cut to edge (G)</b>	2 mm (0.08 in)
<b>Core Size (H)</b>	76 mm (3.00 in)

## Order Information

<b>Product code</b>	XC-TF8041-C16-FPI
<b>Packaging</b>	Carton boxes
<b>Box Size</b>	265x253x180mm (10.43 x 9.96 x 7.09 in)
<b>Weight</b>	± 2,9 kg (6.39 lbs)/roll ± 6,1 kg (13.45 lbs)/box
<b>Quantity pc p/roll; roll p/box</b>	4000 pcs/roll; 2 rolls/box



## Winding / Dimensions



### APAC / International HQ

#### Invengo Technology Pte. Ltd

10 Kallang Avenue  
#05-15 Tower 2, Aperia  
Singapore 339510

Office: +65 6702 3909  
sales.apac@invengo.com

### Americas

#### Invengo Technology Corp.

2700-160 Sumner Blvd.  
Raleigh, NC 27616  
United States of America

Office: +1 919 890 0202  
sales.americas@invengo.com

### EMEA / Global Textile Services

#### Invengo Technologies

180 Voie Ariane – Athélia 1  
13600 La Ciotat  
France

Office: +33 413 96 1111  
sales.emea@invengo.com