

# INVENGO GREAT WALL WET INLAY



100% of real size

**NXP Ucode 8**



## About Invengo's Great Wall

The Invengo Great Wall tags and inlays, equipped with the NXP Ucode 8 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 retail, smart packaging and supply chain management solutions, Invengo's Great Wall tags 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 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

- Optimized size for small size hang tags
- Ideal inlay for tagging product boxes
- Serialized TID
- ISO 9001:2008 Quality Management System and ISO 14001:2004 Environment Management System support
- 100% Quality Tested

## Application Areas

- Retail
- Supply Chain Management
- Packaging

# Product Specifications

## RFID

<b>Protocols Supported</b>	ISO/IEC 18000-6C EPCglobal C1G2
<b>Integrated Circuit (IC)</b>	NXP Ucode 8
<b>Operating Frequency</b>	840 to 960MHz
<b>EPC size</b>	128 bits
<b>TID</b>	96 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 (20% to 90% RH)
<b>Recommended</b>	-20°C to 50°C (20% to 90% RH)
<b>Storage Temperature</b>	-40°C to 85°C (20% to 90% RH)
<b>Recommended</b>	25°C ± 2°C (65% RH)
<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>	10 years
<b>Endurance</b>	100.000 cycles

## Dimensions

<b>Antenna Size (A x B)</b>	94 x 10 mm
<b>Die-cut Size (C x D)</b>	96 x 12 mm
<b>Web Width (E)</b>	100 mm (1.93 in)
<b>Pitch (F)</b>	20.066 mm
<b>PET Thickness</b>	50 µm
<b>Antenna Thickness</b>	10 µm
<b>Die-cut to edge (G)</b>	2 mm
<b>Core Size (H)</b>	76.2 mm

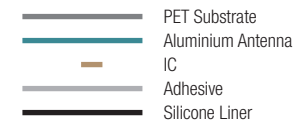
## Order Information

<b>Product code</b>	XC-TF8030-B-C107+FSI
<b>Packaging</b>	Carton boxes
<b>Box Size</b>	265×253×120mm
<b>Weight</b>	Please check with Invengo sales
<b>Quantity pc p/roll; roll p/box</b>	5000pcs/roll, 1rolls/box

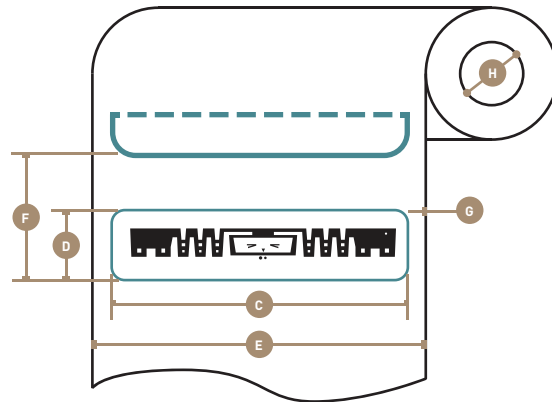
## Inlay Design



## Inlay Stackup



## Winding / Dimensions



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