

INVENGO GREAT WALL™ DRY INLAY



80% of real size

NXP UCODE7



About Invengo's Great Wall™

The Invengo Great Wall™ 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 global retail, industrial automation and supply chain, 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 (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 performance product with excellent performance on lower detuning materials
- Serialized TID
- ISO 9001:2008 Quality Management System and ISO 14001:2004 Environment Management System support
- 100% Quality Tested

Application Areas

- Global Retail
- Industrial Automation
- Supply Chain Management

Product Specifications

RFID

Protocols Supported	EPCglobal C1 Gen 2, ISO/IEC18000-63
Integrated Circuit (IC)	NXP UCODE7
Operating Frequency	840 to 960MHz
EPC size	128 bits
TID	96 bits including 48 bits serialized number
Access password	32 bits
Kill password	32 bits

Environmental

Operating Temperature	-40°C to 85°C (-40°F to 185°F)
Recommended	-20°C to 77°C (-4°F to 122°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Recommended	25°C (77°F)
Shelf Life	Min. 2 yrs from date manufacturing in 20°C (68°F) @ 50% RH
Bending Diameter	> 50 mm, tension max. 10 N
Static Pressure	<10 MPa (10 N/mm ²)
ESD	± 2000V peak
Data retention	50 years
Endurance	100.000 cycles

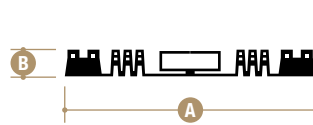
Dimensions

Antenna Size (A x B)	94 x 10 mm (3.70 x 0.39 in)
Web Width (E)	106 mm (4.17 in)
Pitch (F)	20 mm (0.79 in)
PET Thickness	0,05 mm (0.002 in)
Antenna Thickness	0,009 mm (0.0003 in)
Core Size (H)	76 mm (3 in)

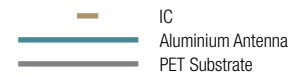
Order Information

Product code	XC-TF8030-B-C16
Packaging	Carton boxes
Box Size	350x350x180mm (13.78x13.78x7.09 in)
Weight	± 2,0 kg (4.41 lbs)/roll ± 2,7 kg (5.95 lbs)/box
Quantity pc p/roll; roll p/box	15000 pcs/roll; 1 rolls/box

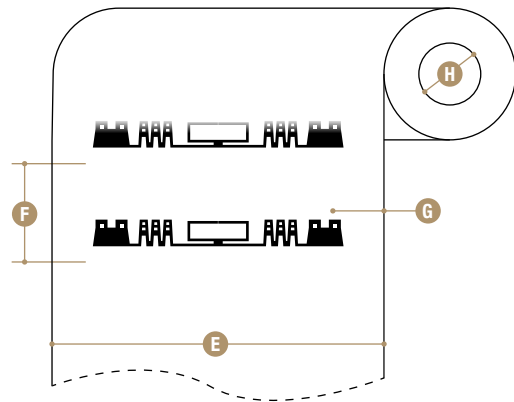
Inlay Design



Inlay Stackup



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 – Athélie 1
13600 La Ciotat
France

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