INVENGO BUTTERFLY

WET INLAY
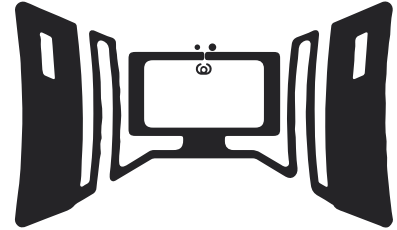
100% of real size

NXP Ucode 8

FC EPCglobal CE RoHS 2002/95/EC

About Invengo's Butterfly

The Invengo Butterfly tags and inlays, equipped with the NXP Ucode 8 R6 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 Butterfly tags and inlays can be called one of the best in class.

RAIN RFID

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

Protocols Supported	ISO/IEC 18000-6C
	EPCglobal C1G2
Integrated Circuit (IC)	NXP Ucode 8
Operating Frequency	840 to 960MHz
EPC size	128 bits
TID	96 bits serialized number
Access password	32 bits
Kill password	32 bits

Environmental

Operating Temperature	-40℃ to 85℃ (20% to 90% RH)
Recommended	-20℃ to 50℃ (20% to 90% RH)
Storage Temperature	-40℃ to 85℃ (20% to 90% RH)
Recommended	25℃ ± 2℃ (65% RH)
Shelf Life	Min. 2 yrs from date manufacturing in 20℃ (68℉) @ 50% RH
Bending Diameter	> 50 mm, tension max. 10 N
Static Pressure	<10 MPa (10 N/mm2)
ESD	± 2000V peak
Adhesive	Acrylic
Data retention	10 years
Endurance	100.000 cycles

Dimensions

Antenna Size (A x B)	50 x 30 mm
Die-cut Size (C x D)	55 x 33 mm
Web Width (E)	58 mm
Pitch (F)	35.98 mm
PET Thickness	50 µm
Antenna Thickness	10 µm
Die-cut to edge (G)	1.5 mm
Core Size (H)	76.2 mm

Order Information

Product code	XC-TF8024-C107+FSI
Packaging	Carton boxes
Box Size	265×253×180mm
Weight	Please check with Invengo sales
Quantity pc p/roll; roll p/box	4000pcs/roll, 2rolls/box

Inlay Design

Inlay Stackup
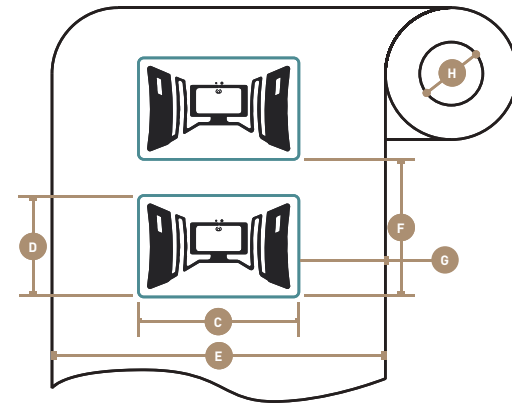

- PET Substrate
- Aluminium Antenna
- IC
- Adhesive
- Silicone Liner
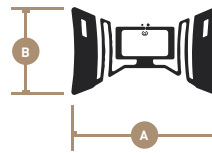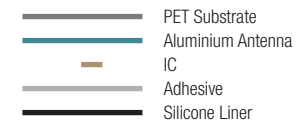
Winding / Dimensions

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