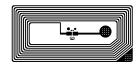


# INVENGO NTOUCH NFC OFFERING



32 x 15 mm (1.26 x 0.59 in)

NXP Mifare® Family



## About the Invengo NTouch Mifare®

TThe Invengo NTouch inlays and tags equipped with the NXP Mifare® chip family offer a high performance, cost-effective solution enabling contactless fare collection, payment, and access experiences independent of location and time. Equipped with multi-application, crypto, and security features, these Invengo NTouch inlays and tags are a secure and future-proof choise supporting your smart city projects.



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 / loT oriented companies in the world.

## **Key Benefits**

- ISO/IEC 14443A Compliant
- More than 1.2 billion people have access to Mifare®
- ISO 9001:2008 Quality Management System and ISO 14001:2004 Environment Management System support
- 100% Quality Tested

### **Application Areas**

- Public Transportation
- Payment
- Smart Cities



# **Product Specifications**

#### **RFID**

Protocols Supported ISO/IEC 14443-A
Operating Frequency 13.56MHz

#### **Environmental**

 $\begin{array}{lll} \textbf{Operating Temperature} & -40^{\circ}\text{C to } 85^{\circ}\text{C } (-40^{\circ}\text{F to } 185^{\circ}\text{F}) \\ \textbf{Recommended} & -10^{\circ}\text{C to } 70^{\circ}\text{C } (-14^{\circ}\text{F to } 158^{\circ}\text{F}) \\ \textbf{Storage Temperature} & -20^{\circ}\text{C to } 70^{\circ}\text{C } (-4^{\circ}\text{F to } 158^{\circ}\text{F}) \\ \textbf{Shelf Life} & 2 \text{ years in } 25^{\circ}\text{C } (+77^{\circ}\text{F}) \text{ @65 RH} \\ \end{array}$ 

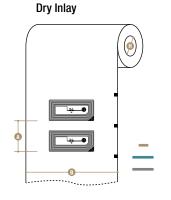
**ESD**  $\pm$  2000V peak

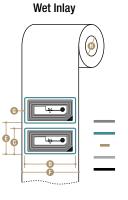
IC Name	IC/Chip Code	UID	Total Memory	User Memory	Data retention	Endurance
MIFARE UL EV1 50pF	C36	7 bytes	64 bytes	48 bytes	5 years	10.000 cycles
MIFARE ULC 50pF	C37	7 bytes	192 bytes	148 bytes	5 years	10.000 cycles

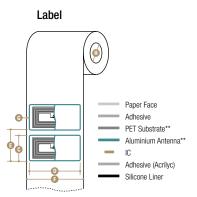
Order Information	Dry Inlay	Wet Inlay	Label
Product code	XC-TF3005-(IC Code)	XC-TF3005-(IC Code)-FSI	XC-TF3005-(IC Code)-FPI
Box Size (carton boxes)	265×253×180mm	265×253×180mm	265×253×180mm
	(10.43 x 9.96 x 7.09 in)	(10.43 x 9.96 x 7.09 in)	(10.43 x 9.96 x 7.09 in)
Weight (roll; box)	1.1kg (2.43 lbs)/roll	0.5 kg (1.10 lbs)/roll	0.65kg (1.43 lbs)/roll
	2.75kg (6.07 lbs)/box	2.55 kg (5.63 lbs)/box	3.15kg (6.95 lbs)/box
Quantity	5000 pcs/roll; 2 rolls/box	2500 pcs/roll; 4 rolls/box	2500 pcs/roll; 4 rolls/box

#### **Dimensions**

- 22 mm (0.87 in)
- B 65 mm (2.55 in)
- 18 mm (0.71 in)
- ① 36 mm (1.42 in)
- 22 mm (0.87 in)
- **6** 58 mm (2.28 in)
- 6 2 mm (0.08 in)
- 10 mm (3 in)







\*Antenna Thickness: (0.0003 in) I \*\*PET Thickness: 0,05 mm (0.002 in) I Yield, Joint: □97%, ≤2p/roll

#### **APAC**

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