INVENGO NLOOP
NFC OFFERING
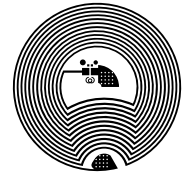
ø23 mm (0.91 in)

NXP NTAG® Family

CE RoHS 2002/95/EC

About the Inveng NLoop NTAG®

The Invengo NLoop round shaped inlays and tags equipped with the NXP NTAG® chip family offer a high performance, cost-effective IoT connectivity solution for product authentication, smart posters/advertisement, magazine adds and other high-volume applications. With the UID mirror functionality having the IC's serial number to be mirrored as part of the encoded URL address enables every tag to be read as unique without the need for users to encode tags with various numbers.

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

- ISO 14443A / NFC Forum Compliant
- Round Shaped
- ISO 9001:2008 Quality Management System and ISO 14001:2004 Environment Management System support
- 100% Quality Tested

Application Areas

- Retail
- Proximity Marketing
- Product Authentication
- Media & Document Management

Product Specifications

RFID

Protocols Supported	ISO/IEC 14443A, NFC Forum Type2
Operating Frequency	13.56MHz

Environmental

Operating Temperature	-40°C to 85°C (-40°F to 185°F)
Recommended	-10°C to 70°C (-14°F to 158°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Shelf Life	2 years in 25°C (+77°F) @65 RH
ESD	± 2000V peak

IC Name	IC/Chip Code	UID	Total Memory	User Memory	Data retention	Endurance
NTAG213®	C71	7 bytes	144 bytes	144 bytes	10 years	10.000 cycles
NTAG216®	C72	7 bytes	888 bytes	888 bytes	10 years	10.000 cycles

Order Information	Dry Inlay	Wet Inlay	Label
Product code	XC-TF3006-(IC Code)	XC-TF3006-(IC Code)-FSI	XC-TF3006-(IC Code)-FPI
Box Size (carton boxes)	265×253×180mm (10.43 x 9.96 x 7.09 in)	265×253×180mm (10.43 x 9.96 x 7.09 in)	265×253×180mm (10.43 x 9.96 x 7.09 in)
Weight (roll; box)	1kg (2.21 lbs)/roll 2.55kg (5.63 lbs)/box	0.38kg (0.84 lbs)/roll 2.02kg (4.46 lbs)/box	0.46 kg (1.02 lbs)/roll 2.39 kg (5.27 lbs)/box
Quantity	5000 pcs/roll; 2 rolls/box	2500 pcs/roll; 4 rolls/box	2500 pcs/roll; 4 rolls/box

Dimensions

A	29,5 mm (1.16 in)	
B	65 mm (2.55 in)	
C	25 mm (0.98 in)	
D	25 mm (0.98 in)	
E	29,5 mm (1.16 in)	
F	32 mm (1.26 in)	
G	3,5 mm (0.138 in)	
H	76,2 mm (3 in)	

Dry Inlay **Wet Inlay** **Label**

Paper Face
Adhesive
PET Substrate**
Aluminium Antenna**
IC
Adhesive (Acrilyc)
Silicone Liner
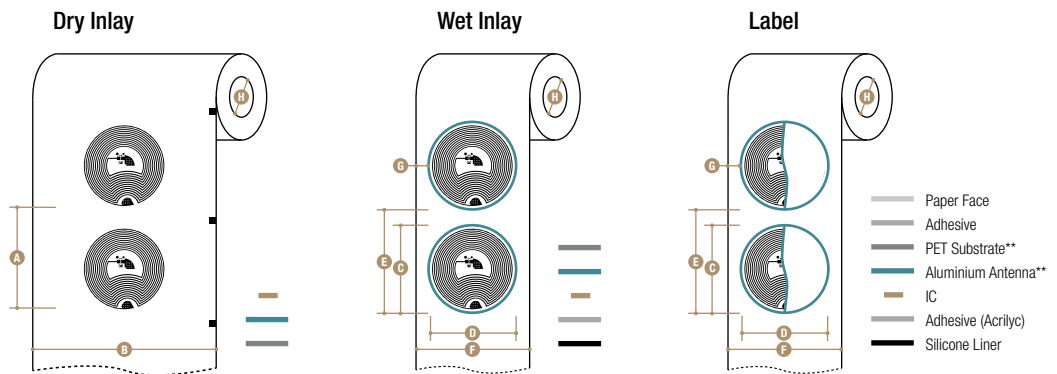
*Antenna Thickness: (0.0003 in) I **PET Thickness: 0,05 mm (0.002 in) I Yield, Joint: 97%, ≤2p/roll