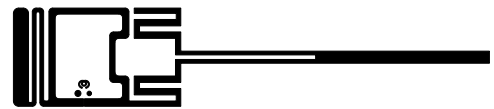


INVENGO GEM RAIN RFID TAG



63 x 13 mm (2.48 x 0.51 in)

NXP UCODE® 8



About the Invengo GEM NXP UCODE® 8

The Invengo GEM tags equipped with the NXP UCODE 8 are designed to enable end-users to reach and sustain high levels of performance in all global RAIN RFID (UHF) frequency regions. The Invengo GEM tag is especially designed to tag small items within the retail environment as jewelry and eyeglasses in which it 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

- High performance product for item-level tagging in retail
- Especially designed for jewelry and eyeglasses
- Ideal, compact design with integrated tail
- Easy to apply
- ISO 9001:2008 Quality Management System and ISO 14001:2004 Environment Management System support
- 100% Quality Tested

Application Areas

- Retail
- Brand Protection
- Loss prevention
- After sales operations:
Return and Warranty management

Product Specifications

RFID

Protocols Supported	EPCglobal C1 Gen2v2, ISO/IEC18000-63
Integrated Circuit (IC)	NXP UCODE 8
Operating Frequency	840 to 960MHz
EPC size	128 bits
TID	96-bit Tag Identifier (TID) factory locked incl. 48-bit unique serial 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 50°C (-4°F to 122°F)
Storage Temperature	-55°C to 125°C (-67°F to 257°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/mm2)
ESD	± 2000V peak

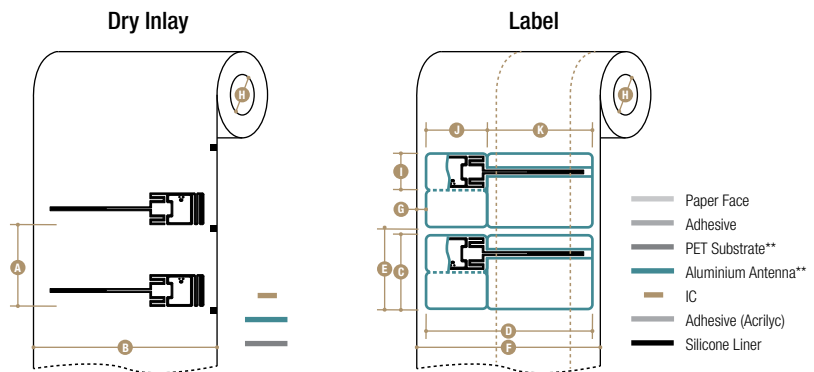
Order Information

	Dry Inlay	Label
Product code	XC-TF8108-C107	XC-TF8108-C107-FPI
Box Size (carton boxes)	on request	390 x 390 x 110mm (15.3 in x 15.3 in x 4.3 in)
Weight (roll; box)	on request	2.44 ± 0.05kg 10.49 ± 0.2 kg
Quantity	on request	4 rolls/box



Dimensions

- A** 33,4 mm (1.316 in)
- B** 77 mm (3.03 in)
- C** 30 mm (1.18 in)
- D** 68 mm (2.68 in)
- E** 33,4 mm (1.316 in)
- F** 33,4 mm (1.316 in)
- G** 3.443 mm (0.136 in)
- H** 76 mm (3 in)
- I** 15 mm (0.55 in)
- J** 25 mm (0.98 in)
- K** 43 mm (1.69 in)



*Antenna Thickness: (0.0003 in) | **PET Thickness: 0,05 mm (0.002 in)

APAC

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