

# INVENGO XC-ST900-R1 ULTRA RUGGED



# About Invengo's XC-ST900-R1 Ultra Rugged Antenna

Invengo XC-ST900-R1 antenna offers high gain, ultra ruggedness and excellent shock, vibration, acid and mildew resistance in a unique design. The XC-ST900-R1 linear polarized antenna is ideal for transportation, land & sea logistics and vehicle tracking applications.



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.

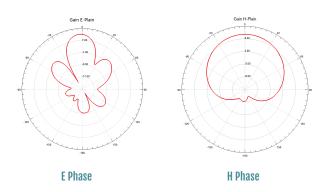
Invengo Technology Pte. Ltd. (SG) is the International Headquarters of Invengo Information Technology Co. Ltd, listed on Shenzhen Stock Exchange (SZSE: 002161.SZ). Employing over 600 people globally, Invengo is one of the largest publicly traded, RFID / IoT oriented companies in the world.

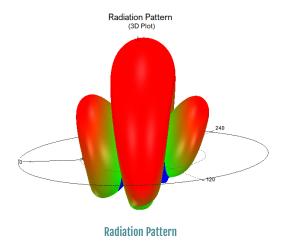
### **Features**

- Operating Frequency 902 ~ 928 MHz
- High gain
- Excellent acid and mildew resistance
- Linear Polarization
- Low VSWR
- Protection Level: IP67
- Durable and clean design
- Simple installation and maintenance



## **Radiation Pattern**





# **Product Specifications**

### **Performance Parameter**

Operating Frequency $902 \sim 928 \text{ MHz}$ VSWR $\leq 1.2:1$ Gain9.6 dBiH-Plane HPBW $90^{\circ}$ 

H-Plane HPBW 90° E-Plane HPBW 27° Polarization Linear Antenna Impedance 50  $\Omega$ 

### Environmental

Operating Temperature  $-40^{\circ}\text{C}$  to  $70^{\circ}\text{C}$  ( $-40^{\circ}\text{F}$  to  $158^{\circ}\text{F}$ ) Storage Temperature  $-40^{\circ}\text{C}$  to  $70^{\circ}\text{C}$  ( $-40^{\circ}\text{F}$  to  $158^{\circ}\text{F}$ )

**Humidity Range** 5% ~ 95% RH

Protection Level IP67

### **Physical Parameters**

**Dimensions** 610 x 156 x 50 mm

24 x 6 x 2 in

Weight Approx. 3,8 kg / 8.4 Lbs

Case Material Glass Reinforced Plastic, Aluminium

### Models

ID XC-ST900-R1-FCC

### **APAC**

**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**

**Invengo Technologies** 

180 Voie Ariane – Athélia 1 13600 La Ciotat France

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