

INVENGO

XC-AF50

RAIN RFID ANTENNA



About Invengo's XC-AF50 RAIN RFID Antenna

Invengo's XC-AF50 RAIN RFID(UHF)Antenna is a UHF RFID circularly polarized antenna uniquely designed for the harsh working scenarios of railways. Its available frequency range covers 840MHz to 930MHz, with a gain of 6.4dBi. It meets the IP67 protection level of the GB/T 4208-2017 standard and the impact and vibration requirements for Class 2 bogie installation in the GB/T 21563-2018 standard. It has the characteristics of high protection, wide frequency band, and high performance.



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

- Specially applied on UHF-RFID
- High gain and low side lobes between frequency band
- Excellent performance on waterproof, dustproof and durability
- Serialized TID

Industry

- Vehicle management

Product Specifications

Performance Parameter	
Operating Frequency	840MHz ~ 930MHz
VSWR	≤1.3:1
Gain	≥6.4dBi
H-Plane HPBW	90°
E-Plane HPBW	90°
Polarization	circular
Antenna Impedance	50Ω
Connector types	N(K)

Environmental Parameter	
Operating Temperature	-40°C ~ +70°C
Storage Temperature	-55°C ~ +85°C
Humidity Range	≤95%RH

Environmental Parameter	
Length	223.4mm(8.795in)
Width	223.4mm(8.795in)
Height	49mm(1.929in)
Weight	1.3Kg
Shell Material	Plastic
Protection Level	IP67

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