Invengo

INVENGO XC-RF861

RAIN RFID READER

About Invengo's XC-RF861

Invengo's XC-RF861 is a compact RAIN RFID (UHF) reader that delivers excellent performance at incredible value. The reader has a sleek design and is easy to install. The XC-RF861 is Linux based, combining reliable reading with ease of programing and communication. It is suitable for applications in asset tracking, inventory management, and track and trace.

RAIN RFID

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

- Four RP-TNC RF antenna ports
- TCP/IP and RS-232 Communication
- GPIO Capability
- API: JAVA, .NET, C++
- PoE: IEEE 802.3at
- Protection Level: IP53

All features and specifications described are subject to change without notice.

Product Specifications

Physical Parameters

Dimensions	196 x 176 x 38 mm 7.71 x 6.92 x 1.5 in (without accessories)
Weight	Approx. 1 kg / 2.20 lbs (without accessories)
Case Material	Aluminum alloy

Environmental

Operating Temperature	-20˚C to 70˚C (-4˚F to 158˚F) Power adaptor -0˚C to 40˚C (32˚F to 104˚F)
Storage Temperature	-30˚C to 75˚C (-22˚F to 167˚F)
Humidity Range	5% to 95% RH, no condensation

Power Source

Adapter (not included)	AC input 100V to 240V 1.5A, 50 to 60Hz; DC output 24V ± 5%/2.5A
DC Power Supply	DC input 10 to 30V (24V/2A recommended)
Power over Ethernet	IEEE 802.3at
Power Consumption	Approx. 12W

UHF RFID

Supported Protocols	EPC global UHF Class 1Gen2, ISO 18000-63
Frequency	840 to 960 MHz (Support Global Frequency)

Communication Interface

RS-232	Default baud rate 115200 kps, 8 data bits, no parity, 1 stop bit, no flow control
RJ45	Default IP 192.168.0.210

Performance Parameter

GPIO	Two isolated optocoupler inputs (5C to 12V); Two isolated optocoupler outputs (High level 5V, Low level 0V); Two relay outputs (DC30V, 1000mA; AC125V, 500mA)
Tag Data Rate	40kbps to 400 kbps
RF Output Power	9 to 30dBm (step 1dBm)
Memory	128MB SDRAM, 256MB Flash

Product Certification

FCC ID	TQ4XC-RF861
Others	RoHs, CE

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

V3.1/022018

© 2018 Invengo Technology Pte. Ltd Singapore - All rights reserved. Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of its use.