

# INVENGO XC-RF861 UHF 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 programming and communication. It is suitable for applications in asset tracking, inventory management, and track and trace.



Invengo – the global RFID technology provider – is a leading developer and manufacturer of high quality, intelligent RAIN RFID (UHF) and NFC (HF) inlays, tags and connectivity solutions utilized in the Internet of Things (IoT). With a focus on RFID innovation, Invengo has created a leading product line in retail, library, pharmaceutical, healthcare, (public) transportation 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 500 people globally, Invengo is one of the largest publicly traded, RFID oriented companies in the world.

## Features

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

## Product Specifications

### Physical Parameters

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

### Environmental

<b>Operating Temperature</b>	-20°C ~ 70°C (-4°F ~ 158°F) Power adaptor -0°C ~ 40°C (32°F ~ 104°F)
<b>Storage Temperature</b>	-30°C ~ 75°C (-22°F ~ 167°F)
<b>Humidity Range</b>	5% ~ 95% RH, no condensation

### Power Supply

<b>Adapter</b>	AC input 100V-240V 1.5A, 50-60Hz; DC output 24V ± 5%/2.5A
<b>DC Power Supply</b>	DC input 10~30V (24V/2A recommended)
<b>Power Consumption</b>	Approx. 12W

### Operation Frequency

<b>FCC</b>	902 ~ 928 MHz
<b>ETSI (EU)</b>	865 ~ 868 MHz

### Communication Interface

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

### Air Interface Protocol

<b>Supported Protocols</b>	EPC global UHF Class 1Gen2 / ISO 18000-6C
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### Performance Parameter

<b>GPIO</b>	Two isolated optocoupler inputs (5C~12V); Two isolated optocoupler outputs (High level 5V, Low level 0V); Two relay outputs (DC30V, 1000mA; AC125V, 500mA)
<b>Tag Data Rate</b>	40kbps ~ 400 kbps
<b>RF Output Power</b>	9~30dBm (step 1dBm)
<b>Tag Memory Size</b>	TID 512 bits, EPS 496 bits, User 64Kbits
<b>Memory</b>	128MB SDRAM, 256MB Flash

### Product Certification

<b>FCC ID</b>	TQ4XC-RF861
<b>Others</b>	RoHS, CE



## RFID Solutions

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