

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

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

Environmental

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

Power Supply

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

UHF RFID

Supported Protocols	EPC global UHF Class 1Gen2 / ISO 18000-6C
Supported Regions or Geographies (Mhz)	Australia (920~926), Brazil (902~907, 915~928), EU / ETSI (865~868), FCC (902~928), Hong Kong (920~925), Indonesia (923~925), Korea (917~920), Malaysia (919~923), New Zealand (921~928), Peru (915~928), Singapore (920~926), South Africa (915~919), Taiwan (922~928), Uruguay (916~928)

Communication Interface

RS-232	Default baud rate 115200kps, 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~12V); Two isolated optocoupler outputs (High level 5V, Low level 0V); Two relay outputs (DC30V, 1000mA; AC125V, 500mA)
Tag Data Rate	40kbps ~ 400 kbps
RF Output Power	9~30dBm (step 1dBm)
Tag Memory Size	TID 512 bits, EPS 496 bits, User 64Kbits
Memory	128MB SDRAM, 256MB Flash

Product Certification

FCC ID	TQ4XC-RF861
Others	RoHs, CE



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