Invengo

INVENGO XC–RF850

RAIN RFID READER

About Invengo's XC–RF850 Integrated Reader

Invengo's XC-RF850 is a compact and fully integrated RAIN RFID (UHF) reader that delivers excellent performance at an incredible value. The reader has a sleek design and is easy to install. The XC-RF850 is based on Linux for ease of programming and communication. With multiple connectivity options it is ideally suited for vehicle, personnel and asset 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

- Low profile -7 dBi integrated antenna reader
- Circular Polarization
- Second RF port for additional antenna
- TCP/IP and RS-232 Communication
- Onboard GPIO or Wiegand Output
- API: JAVA, .NET, C++
- Protection Level: IP65

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

Product Specifications

Physical Parameters

Dimensions	291 x 291 x 86 mm
	(11.4 x 11.4 x 3.4 in)
Weight	2 kg (4.4 Lbs)
Case Material	Aluminum Alloy/ASA

Environmental

Operating Temperature	-20℃ to 70℃ (-4℉ to 158℉)
Storage Temperature	-40℃ to 70℃ (-40℉ to 158℉)
Humidity Range	5% to 95%, non-condensing
IP Rating	IP65

Power Source

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

Communication/Network

Communication Interface	RS-232, 10/100 Ethernet
Network Protocol	TCP/IP, DHCP

UHF RFID

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

Performance Parameter

GPIO	2 inputs, optically isolated
	3 relay control outputs or 2 Wiegand
	outputs with 26/34/66 type
Operating Mode	Single/Dense Reader mode
RF Output Power	-9 to -30 dBm, software configurable

Antenna

Non-condensing Gain	-7 dBi integrated antenna
Polarization	Circular
Antenna Ports	1x RP-TNC (Male)