

INVENGO

XC-RF868

IloT SMART READER



About Invengo's XC-RF868 IloT Smart Reader

Invengo's XC-RF868 IloT Smart Reader adopts excellent architecture design and powerful reading and writing algorithm. It equips with Impinj R2000 chip and supports 6-channel RF ports. The reader is available to matches with various specifications of antennas and has excellent reading and writing 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

- 6 antenna ports
- -85dBm receiving sensitivity
- Edge computing with built-in operating system
- High speed reading: up to 1000 labels in 5 seconds
- Reader management web interface Support PoE+ supply

Product Specifications

Hardware and Operating System

Processor	Quad-core Cortex-A53, 1.3GHz
Memory	3GB, 16GB FLASH
Operating	Linux/Android OS

RFID Parameters

Agreement	EPCglobal UHF Class1 Gen2
Transmit power	11~33dBm (1dBm step), up to 30dBm(Under PoE+ charging)
Frequency range	CN: 920.625MHz ~ 924.375MHz FCC: 902.75MHz ~ 927.25MHz EU: 865.7MHz ~ 867.5MHz
Read rate	Maximum 1000 times/second
Multi-label reading	Maximum 1000 sheets/5 seconds
Reading distance	0~30m
Writing distance	0~15m
Maximum receiving sensitivity	-85dBm
Antenna Impedance	50ohm

Interface Parameters

Ethernet:	10/100/1000M Ethernet (RJ45)
Antenna	6 TNC interfaces
USB	2 USB3.0 TYPE-A, 1 USB3.0 TYPE-C
HDMI	Support
GPIO	4 isolated inputs and 4 isolated outputs
Wi-Fi	Support
4G/5G (optional):	Support
Power supply mode	DC24V power adapter/PoE+

Physical Parameters

Dimension	259.7mm × 170.8mm × 32mm
Weight	1.6 kg
Shell material	Die-cast aluminum alloy
Protection level	IP50

Environmental Parameters

Operating temperature	-25°C ~ +70°C
Storage humidity	-40°C ~ +85°C
Working humidity	5%RH ~ 95%RH (non-condensing)

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