

# INVENGO XC2908 RAIN RFID HANDHELD READER



## About Invengo's XC2908 RAIN RFID Handheld Reader

The XC2908 is a portable reader with strong performance. It has unique RFID technologies (self-developed UHF module + quadrifilar helix antenna + multi-label algorithm). The dual batteries are able to switch power intelligently, which can provide ultra-long working time and guarantee stable UHF working capability. The reader has the characteristics of high gain and long-distance antenna recognition.



Invengo – The global leading RFID and IoT solution 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, 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 700 people globally, Invengo is one of the largest publicly traded, RFID / IoT oriented companies in the world.

## Features

- Self-developed UHF module, quadrifilar helix antenna, multi-label algorithm
- Dual battery, 250+ hours long standby time
- Excellent multi-label, remote reading and writing ability (600 times/s)
- Reading distance up to 20mt
- Supports various types of labels (optional bar code or QR code modules)

## Industry

- Garment Retail
- Inventory Management
- Asset Management
- Healthcare

# Product Specifications

## Physical

|                               |   |
|-------------------------------|---|
| <b>Dimensions (L x W x H)</b> | 170 x 78 x 150mm ± 2mm  |
| <b>Weight</b>                 | 710g  |
| <b>Display Screen</b>         | 5.5-inch IPS HD full screen,<br>720 x 1440 resolution   |
| <b>Touch Screen</b>           | Corning Gorilla 3rd generation industrial<br>grade multi-touch capacitive scree,<br>Support operation with gloves or<br>wet hands |
| <b>Keypad</b>                 | 1 power button, 2 scan keys,<br>2 volume buttons  |
| <b>Audio</b>                  | Earpiece, speaker, microphone   |
| <b>External Port</b>          | Type-C, OTG   |
| <b>Expansion Slot</b>         | 1 SIM card slot, 1 card slot supports<br>SIM or TF card (Nano)  |
| <b>Sensor</b>                 | Gravity, distance, light  |

## Performance

|                           |   |
|---------------------------|---|
| <b>CPU</b>                | MT6765 eight-core 64-bit processor,<br>2.3GHz         |
| <b>OS</b>                 | Android10.0   |
| <b>RAM+ROM</b>            | 3GB+32GB<br>4GB+64GB(Optional)<br>8GB+128GB(Optional) |
| <b>Internal Expansion</b> | 128GB Micro SD  |
| <b>Drop Spec.</b>         | 1.3m  |
| <b>Protection</b>         | IP65  |
| <b>Certification</b>      | FCC,CE,UN38.3   |

## Battery

|                          |  |
|--------------------------|--|
| <b>Battery Capacity</b>  | Amount:10000mAh,<br>dual battery and intelligent power<br>supplying<br>Main battery:5000mAh<br>Battery of Handle:5000mAh |
| <b>Adapter</b>           | AC110V to 240V, DC5V/3A  |
| <b>Working Hour</b>      | > 10h (Depending on usage)   |
| <b>Charging Duration</b> | 3h to 4h   |
| <b>Standby Time</b>      | > 250h   |

## RAIN RFID (UHF)

|                              |  |
|------------------------------|--|
| <b>Protocol</b>              | EPC Global UHF Class1 Gen2,<br>ISO 18000-6C                |
| <b>Frequency</b>             | 840MHz to 960MHz   |
| <b>Region of Application</b> | Universal  |
| <b>RF Output</b>             | 0 to 30 dBm  |
| <b>Reading Range</b>         | Reading distance can reach 20m in a<br>outside surrounding |
| <b>Writing Range</b>         | 0 to 5m (Depending on environment<br>and tag type)         |
| <b>Maximum Read Rate</b>     | 600 time/s   |
| <b>Type of Antenna</b>       | Circular   |

## Network and Wireless

|                  |  |
|------------------|--|
| <b>WWAN</b>      | 4G                                       |
| <b>WLAN</b>      | IEEE802.11a/b/g/n/ac,<br>2.4GHz and 5GHz |
| <b>Bluetooth</b> | V5.0                                     |
| <b>GNSS</b>      | GPS, A-GPS, BeiDou, GLONASS              |

## Environmental

|                        |               |
|------------------------|---------------|
| <b>Operating Temp.</b> | -20°C to 50°C |
| <b>Storage Temp.</b>   | -40°C to 70°C |
| <b>Humidity</b>        | 5% to 95% RH  |

## Supporting

|                                  |  |
|----------------------------------|--|
| <b>Barcode Module (optional)</b> | Zebra: SE4710/SE4750,<br>Honeywell:N6603,N1  |
| <b>Camera</b>                    | Front camera 5 million pixels,<br>Rear camera 13 million pixels with<br>flash and auto focus |
| <b>Accessories</b>               | Adapter, usb cable,<br>Screen protection film  |
| <b>Develop Environment</b>       | Invengo software developing kit.<br>Support Java.  |



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

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