

INVENGO XC-2903 UHF, HF RFID READER



About Invengo's XC-2903 Handheld Reader

Invengo's XC-2903 is a compact, rugged and excellent performing RAIN RFID (UHF) handheld reader. With a powerful processor, expanded memory and multiple connectivity and data capture options, it is suitable for supply chain, asset, livestock and industrial 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

- Rugged design, IP65 rated
- Marvell PXA 320, 860 MHz CPU
- Windows CE 6.0
- UHF RFID and 2D Barcode Data Capture
- WiFi, GSM/GPRS, USB Host, RS-232 Connectivity
- 3.5" Industrial Transflective LCD Screen
- 32GB SDHC micro SD support
- 3800 or 5700 mAH battery

Product Specifications

Performance

| | |
|---------------|-----------------------|
| CPU | Marvell PX320. 806MHz |
| Memory | 256MB RAM, 256MB ROM |
| OS | MS Windows CE 6.0 |

Physical

| | |
|-------------------|--|
| Dimensions | 189 x 85 x 40 mm 7.4 x 3.4 x 1.6 in |
| Weight | 0,4 kg / 0.89 Lbs |

Electrical

| | |
|----------------|---|
| Battery | Li-ion 3.7 V 3800 mAh or 5700 mAh |
| Charger | AC 100-240 V / 50-60 Hz DC Output 5 V/4A |

Software

| | |
|--------------------------------|---|
| Development Environment | 2005 (support .NET CF 2.0) Visual Studio 2005 (support .NET CF 3.5) |
| SDK | MS Windows CE SDK, Demo applications in C# source code |

UHF RFID Module

| | |
|-----------------------|--|
| Protocol | EPC global UHF Class 1Gen2, ISO 18000-63 |
| Frequency | 860 to 960 MHz (Support Global Frequency) |
| Transmit Power | 9 to 30 dBm |
| Antenna | 1 dBi Circular Polarized |

Communication & User Interface

| | |
|----------------------------|---|
| Display | 3.5" Industrial Grade Transflective LCD Color QVGA display |
| Keypad | 27 Keys (backlight) |
| Speaker | Built In Speaker |
| Expansion Slot | Micro SD, support 32GB |
| Indicator | LED Indicator |
| Communication Ports | RS-232, SIM, Micro SD |

Environmental

| | |
|------------------------------|---|
| Operating Temperature | -10°C to 60°C (-50°F to 140°F) |
| Storage Temperature | -20°C to 70°C (-68°F to 158°F) |
| Humidity Range | 5% to 95% RH |
| IP Rating | IP 65 |
| Drop Test | Multiple 1,2 m drops to concrete |
| Vibration | 4 to 400 Hz PSD (random) and 30 G (3 axes) |
| Anti Static | ± 8 kV air ESD, ± 6 kV contact ESD |

Network Connectivity

| | |
|-----------------|-----------------------|
| GSM/GPRS | 850/900/1800/1900 MHz |
| WiFi | 802.11 b/g |

Barcode Capturing

- 1D** Aztec Mesas.Coda bar, Coda block F, Code 11, Code 128, ISBT, GS1-128, Code 16K, Code 32 pharmaceutical (PARAF), Code 39 (supports Full ASCII mode), Code 49, Code 93 and 93i, Composite Symbology, EAN13 (including Book- landEAN), EAN-8, Interleaved 2of5, Matrix 2of5, MSI, Plessey Code, Posi-Code, Reduced Space Symbology (RSS-14, RSS Limited, RSS Expanded)(GS1DataBar), Straight 2of5, IATA, Industrial Telepen, Trioptic Code, UPC-A, UPC- A with Extended Coupon Code (UCC Coupon Code), UPC-E, UPC-E1, Inverse 1D
- 2D** Aztec Code, Data Matrix, Maxi Code, Mi- croPDF417, OCR-A, OCR-B, PDF417, QRCode, MiroQRTCIF Linked Code 39 (TLC39), Inverse 2D

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