

INVENGO XC-2903 UHF RFID READER



About Invengo's XC-2903 Hand Held Reader

Invengo's XC-2903 is a compact, rugged and excellent performing RAIN RFID (UHF) hand held 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 (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

- 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 3.7V 3800 mAh or 5700 mAh
Charger	AC 100-240V / 50-60 Hz DC Output 5V/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 Class 1 Gen 2 / ISO18000-6C
Frequency	902-928 MHz - FCC Certified
Transmit Power	9 ~ 30 dBm
Antenna	2 dBi Circular Polarized

Docking Station (Optional)

Interface	RS-232, USB Host
Power Supply	5V DC / 4A
Battery Slot	Second battery charging slot
Indicator	Dual color LED
Dimensions	156 x 156 x 92,5 mm 6.1 x 6.1 x 3.6 in

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 ~ 60°C (-50°F ~ 140°F)
Storage Temperature	-20°C ~ 70°C (-68°F ~ 158°F)
Humidity Range	5% ~ 95% RH
IP Rating	IP 65
Drop Test	Multiple 1,2m drops to concrete
Vibration	4 to 400 Hz PSD (random) and 30G (3 axes)
Anti Static	± 8kV air ESD, ± 6kV 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, PosiCode, 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, MiroQRCode, MiroQRCode Linked Code 39(TLC39), Inverse 2D

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