

INVENGO XC-AT870N RAIN RFID / HF READER



About Invengo's XC-AT870N Handheld Reader

Invengo's XC-AT870N is the newest generation Windows Mobile embedded RAIN RFID (UHF) or HF handheld reader. With a powerful processor, new design UHF reader antenna, improved base memory and multiple connectivity and data capture options, the rugged terminal is an excellent device, 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 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 oriented companies in the world.

Features

- Windows Mobile Embedded 6.5
- Marvell PXA 320 806MHz Processor
- 512MB RAM / 512MB ROM
- UHF Gen 2 RFID 865~868 MHz and 902~928 MHz
- 2D Imager
- WLAN
- Bluetooth

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

Product Specifications

Performance

| | |
|-------------------------------|--|
| Processor | Marvell™ PXA 320 806MHz |
| Operating System | Windows CE 5.0 Windows Embedded handheld 6.5 |
| Memory | 512MB RAM / 512MB (1GB*) ROM |
| Display | 3.5" QVGA with Backlight, TFT LCD, 240x320 px, 262, 144 Color (VGA*) |
| Weight | 0,25kg / 0.55 Lbs (PDA only) |
| Operating Temp. | -20°C ~ 60°C (-4°F ~ 140°F) |
| Storage Temp. | -30°C ~ 70°C (-22°F ~ 158°F) |
| Humidity | 95% non-condensing |
| Drop Spec. | 1.5M Drop to concrete |
| Dust & Water Proof | IP65 |

Physical

| | |
|--------------------------------|--|
| Audio | Phone Receiver, Speaker, Ear Jack, Microphone |
| Standard I/O Port | USB 1.1 Client / USB Host & Serial (RS-232) via gender cable or Cradle |
| Expansion Slot | 1 Micro SD Slot (SDHC), 1 SIM Slot |
| Notification | Vibrator and LED, Speaker |
| Dimensions (L x W x H) | 148 x 76 x 26 (30,5) mm 5.83 x 2.99 x 1.02 (1.20) in |

Battery Supply

| | |
|-----------------------|--|
| Main Battery | Lithium-Ion Polymer 3.7V 2,960mAh (Rechargeable) Up to 4,400mAh* |
| Backup Battery | Lithium-Ion Polymer 3.7V 80mAh (Rechargeable) |
| Power Adapter | Input AC110V ~ 240V Output DC 5V 3A |

Network Characteristics

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|------------------|---------------------------------------|
| WLAN | IEEE 802.11 b/g/a Compliant |
| Bluetooth | Class II, v2.1 + EDR |
| Radio | MODEM 3G (GSM / GPRS / HSDPA / HSPA+) |
| GPS | Internal Antenna |

Data Capture Device

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|-----------------------|----------------------------------|
| Barcode Engine | 1D Laser or 2D Imager Scanner |
| Camera | 3.0 Mega Pixel Auto Focus, Flash |

UHF Reader/Writer

| | |
|-------------------------|--------------------------------------|
| Frequency | 860 ~ 960 MHz |
| Reading range | 0 - 7 m* / 0 - 23 Feet* 0 - |
| Writing range | 3 m* / 0 - 10 Feet* |
| RF output | 1W EIRP |
| Protocol | GEN2, ISO/IEC 18000-6C, 18000-6B* |
| Special function | Anti-Collision |

HF Reader/Writer

| | |
|-------------------------|--|
| Applied RFID Tag | ISO15693, MIFARE, ISO14443 A/B* |
| Reading range | Based on Tag : 0-10 cm (Internal or External) |

Cradle

| | |
|---------------------------|---|
| Standard Interface | USB 1.1 Host / USB Client / DC Power Jack / Extra Battery Charger |
| Ethernet Interface | Serial (RS232) via gender cable RJ-45 Ethernet Interface* |

Accessories*

| | |
|--------------------------------------|---------------------------|
| Gun Handle Grip (Pistol Grip) | Body, UHF/HF Available |
| Gun Handle Battery | Lithium-Ion 3.7V 4,400mAh |

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