

INVENGO XC-AT870N UHF, HF RFID READER



About Invengo's XC-AT870N Hand Held Reader

Invengo's XC-AT870N is the newest generation Windows Mobile embedded RAIN RFID (UHF), HF hand held 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 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

- Windows Mobile Embedded 6.5
- Marvell PXA 320 806MHz Processor
- 256MB 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

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

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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