



# AT980

Wine & Liquor Tracking, Shopping mall,  
Mobile Payment Service and etc.

## Series Highlights:

- 3.5" Touch LCD
- Windows CE5.0 / Windows Embedded Handheld 6.5
- Marvell™ PXA320 806Mhz
- Memory 256MB RAM / 256MB ROM(512MB option)
- 1D or 2D Barcode Reader
- RFID UHF 900MHz GEN2, ISO/IEC 18000-6C / 18000-6B (Option)
- HF 13.56MHz ISO15693, MIFARE, ISO14443 A/B (Option)
- Wireless LAN 802.11 b/g/a
- Modem 2G(GSM/GPRS/CDMA) / 3G(HSPA+, WCDMA)
- Bluetooth I 2" Thermal Printer I MSR Reader I Smart Card Reader
- Fingerprint I Camera with Flash I GPS I Cradle I SAM

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FRONT



BACK



SIDE



UHF READER

## ACCESSORIES



Adaptor  
AC Cable



Protection  
Film



Handstrap



Cradle



USB Cable



Leather case

## SPECIFICATION

### Performance Characteristics

Processor	Marvell™ PXA 320 806Mhz
Operating System	Windows CE 5.0 / Windows Embedded Hand Held 6.5*
Memory	RAM 256MB/ROM 256MB (Max. 512MB*)
Display	3.5" QVGA with Backlight TFT LCD, 240x320Pixel, 262,144 Color (VGA 480x640pixel Available*)
Weight	520g (PDA only, without battery)
Operating Tem p.	95% non-condensing
Storage Temp.	-20°C ~ 60°C
Humidity	-30°C ~ 70°C
Drop Spec.	1.5M Drop to concrete
Dust & Water Proof	IP65

### Physical Characteristics

Audio	Phone Receiver, Stereo Speaker, Ear Jack, Microphone
Satandard 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, 3 SAM Slot
Notification	Vibrator and LED, Speaker
Dimensions(L x W x H)	221.6 x 82 x 33.7 (54.6)mm

### Battery Supply

Main Battery	Lithium-Ion 7.4V 2,000mAh (Rechargeable)
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 Compliant (Cisco Compatible Extensions Wi-Fi Alliance)
Bluetooth	Class II v2.1+EDR
Radio	GSM / GPRS / EVDO / CDMA / WDMA / UMTS / HSDPA / HSPA+
GPS	Internal Antenna

### Data Capture & Data Processing Device

Barcode Engine	11D Laser or 2D Imager Scanner
Printer	2 inch Thermal Printer Printing Speed 100mm / sec Dot per Line : 384
Camera	3Mega Pixel Auto Focus with Flash
Magnetic Card Reader	ISO7811, OSp7812, Track 1,2,3 / Bi-Directional
Smart Card Reader	ISO7816 EMV L1 / L2 Certified
Finger Print	Finger Print Scanner

### UHF 900Mhz RFID Reader/Writer

Frequency	860Mhz ~ 960Mhz
Reading range	0M ~ 7M (According to Tag & Environment)
Writing range	0M ~ 3M (According to Tag & Environment)
RF output	1W EIRP
Protocol	EPC Gen2, ISO / IEC 18000-6C, 18000-6B*
Special function	Anti-Collision

### HF 13.56Mhz RFID Reader/Writer

Applied RFID Ta g	ISO 15693 Standard , Mifare, ISO 14443 Type A/B
Reading range	Based On Tag : 0 ~ 10Cm

### Cradle

Standard Interface	USB 1.1 Host / USB Client / DC Power jack / Extra Battery Charger / 9pin RS-232 Interface
Ethernet Interface	RJ-45 Ethernet Interface*

### Common Accessories and Optinal Accessories

Standard Accessories : Stylus Pen, LCD Protec Film, Hand Strap  
Optional Accessories: Veichle Cradle, Leather Case, Cigar Charger

