

AT-570, AT870 RFID 바코드 PDA 핸드헬드터미널 900MHz, 13.56MHz RFID Handheld Reader  
 적용분야: 의료, 유통, 물류, 제조, 자동화 등 재고, 판매관리, 업무자동화, 시설물관리, 자산관리, 추정차입속, 기타등  
 AT-570, AT570Gun, AT570 RFID, AT-870, AT870Gun, AT870 RFID PDA, UHF Reader VLAC G1, URP-SK010

- AT-870 RFID 주요 특징
- CPU : Intel Marvel PXA270 520 MHz processor PXA320 608MHz(Option)
  - Operating System : Microsoft Windows CE 5.0, Windows CE 6.0 (Option)
  - 메모리 : 128MB RAM/256MB ROM , Expansion slot : 1 SD slot, 1 CF slot
  - 바코드스캐너 : 2D Image standard /TFT-Laser Option , 152 x 480 CMOS sensor
  - Display : 33.5 QVGA with backlight, JTD LCD, 256K colors 240 W x 320 L (QVGA size)
  - Key : Numeric key, 2 scanner buttons, Power button
  - Sealing : IP54 Sealing, 1.5m Drop-Test , -20°C to 50°C Operating temperature
  - Main Battery : Lithium Polymer 3000mAh / 4400mAh (rechargeable)
  - 통신 : CDMA2000 1x (PHS, GSM/GPRS), WLAN IEEE 802.11b/g, Class II, v2.0, IrDA 무선통신
  - Dimension(AT870본체) : 14.6cm L x 7.4cm W x 2.6cm D / 270 ~ 330g (due to option)



PDA RFID 터미널: AT 870, AT 870Gun, AT 870 RFID 900MHz, AT 870 RFID 13.56MHz  
 산업용PDA RFID 터미널(바코드: 1D, 2D 선택가능): AT 870 바코드, RFID PDA Terminal

## Dynamic Support for Your Bussiness

multiple, powerful, high durability

# AT 870

자유롭고 다양한 옵션 선택  
 ID / 2D Scanner, CDMA, Camera, GPS, RF-ID

향상된 통신 환경 제공  
 WIFI, GSM / GPRS, CDMA, EVDO, Bluetooth Class II

최신 기술 적용  
 Marvel Latest CPU, Windows CE 5.0

초박형 슬림 디자인  
 146 x 74 x 26mm

기존 산업 환경에 적합한 내구성  
 1.5m 낙하 테스트, 방수 / 방진 (IP65인증)

주요 특징

- 다양한 내장 옵션 채택으로 고객역의 만족도 증대
  - Scanner 1D기본 내장 (2D-옵션) , Camera 130만 화소
  - CDMA, GPS 동시 내장 가능
  - HF (13.56MHz) RF-ID Reader
- 대용량 배터리 추가 장착으로 사용시간 대폭 향상
  - 3,000mAh 배터리를 기본 장착
  - GUN HANDLE 장착시 4,400mAh 추가 가능
- 다양한 통신 환경 지원
  - CDMA 2000 1x / EVDO + WLAN (802.11b/g & BLUETOOTH 2.0 CLASS II) 스캔 방식 사용
  - CRADLE Ethernet Option 으로 편리한 통신 환경 지원

적용 분야

- 물류 관리, 창고 관리, 조회 / 검침관리, SFA (영업업무자동화)
- 공정 관리, 자산 관리, 택배 / 배송관리, FFA (현장업무자동화)

SPECIFICATIONS

Processor	Marvel PXA270/520MHz
Memory	128MB RAM/256MB ROM
Operating System	Windows CE 5.0
Display	3.5inch TFT LCD 240x320 256k color
User Interface	Hands Free Speaker Microphone / Receiver & vibrator
Interface	USB (Host & Client) RS-232C MicroSD / SIM Slot / Ethernet via Cradle
Wireless Communications	WLAN 802.11b/g Bluetooth v2.0 (option) CDMA 2000 1x / EVDO, GSM / GPRS / EDGE (option)
Barcode Scanner	1D Laser or 2D Imager (option)

AT-570 RFID 주요 특징

- CPU : Intel Bulverde™ PXA 270 [520MHz / 624MHz] Processor 내장
- Operating System : Microsoft Windows CE 5.0
- 메모리 : 64MB RAM, 128MB ROM (256MB 확장 가능)
- Expansion slot : 1 SD slot, 1 CF slot
- 바코드스캐너 : CCD 2D Scanner(기본), LASER 1D Scanner (Option), Long range가능
- Display : 3.5" QVGA with backlight, TFT-LCD, 256K Color(240W x 320L)
- Key : 24Keys +1 navigation Key 장착, Keypad Backlight 기능
- 인증 : IP65(방수 방진), 1.5m Drop-Test , -10~50°C Operating temperature
- Main Battery : 4400mAh Li-Ion을 기본 장착 (Backup Battery : 200mAh Li-Poly)
- 통신 : CDMA2000 1x (PHS, GSM/GPRS), WLAN IEEE 802.11b/g, Bluetooth v1.2, IrDA 무선통신
- Expansion slot : 1 SD slot, 1 CF slot
- Dimension(AT570본체) : 170[mm] x 74[mm] x 28[D] mm / 중량(AT570본체) : 380g
- Interface / Communications : RS-232 , USB 1.1 , IrDA, I.1
- RFID (13.56MHz / 900MHz UHF / 2.45GHz RFID) Reader 장착 가능

PDA RFID 터미널: AT570, AT570Gun, AT570 RFID 900MHz, AT570 RFID 13.56MHz  
 산업용PDA 핸드터미널(2차원바코드, 1차원바코드) : AT570 (AT-570)

# AT-570

- Intel® Bulverde™ PXA 270 520MHz processor
- Microsoft® Windows™ CE.NET 5.0
- High speed, High resolution 2D imager /1D Laser
- RF-ID 13.56MHz(Mi-Fare, i-Code 1&2) built in option
- IEEE® 802.11 b/g / Bluetooth Class II, V1.2
- CDMA or PHS or GSM/GPRS selected built in option
- Withstand for rough environment
- IP65 dust & water proof / 1.5m drop to concrete)
- RoHS Applied

산업용PDA-RFID 90MHz 터미널 (바코드: 선택가능) : AT-570 RFID 900MHz 기본, Gun

## RF-ID SYSTEM

### AT570 900MHz HANDHELD READER

본 제품은 UHF주파수 대역의 표준화 규격인 ISO 18000-6B, Gen2등의 MULTI-Protocol을 지원하는 휴대용 단말기이며, RFID Tag의 정보를 인식하여 WLAN, CDMA, Bluetooth 등 다양한 방식으로 상위 시스템에 Data를 전송합니다.

적용 분야 : 물류관리, 창고관리, 재고관리, 공정관리, 유통시스템 등 다양한 분야에 적용이 가능

자유로운 옵션 선택 방식으로 업무의 최적화

- 다양한 통신 방식
  - WLAN, Bluetooth, USB, RS-232c
- 다양한 옵션 구성
  - Barcode Scanner(1D, 2D)
  - GPS
  - CDMA, GSM/GPRS
  - CAMERA 탑재형
- Multi-Protocol
  - Gen2, 18000-6B

900MHz Specification

- 주파수 대역 : 866~956MHz
- 읽기 인식거리 : 최대 5m(Tag에 따라 다름)
- 스캔 인식거리 : 읽기 인식 거리의 50%
- 통신 방식 : WLAN, Bluetooth, USB, RS-232C
- RF Output : 0.5~1W EIRP
- Protocol : EPC, ISO 18000-6B, Gen2
- 주파수 방식 : FHSS, LBT
- 옵션 : GPS, Barcode Reader, CDMA/GSM
- CPU : Intel Bulverde PXA270 520MHz
- Memory : 128MB RAM/128MB RAM
- 전원 : SV, 1.2 to 0.5A
- 작동 온도 : -20°C ~ +70°C
- 보관 온도 : -30°C ~ +70°C
- 습도 : 5~95% Non-Condensing
- IP65 Sealing : Dust & Water Proof
- RoHS : Applied

TYPE 1: AT570 900MHz (8+8 Antenna)

TYPE 2: AT570 900MHz (4+4 Antenna)

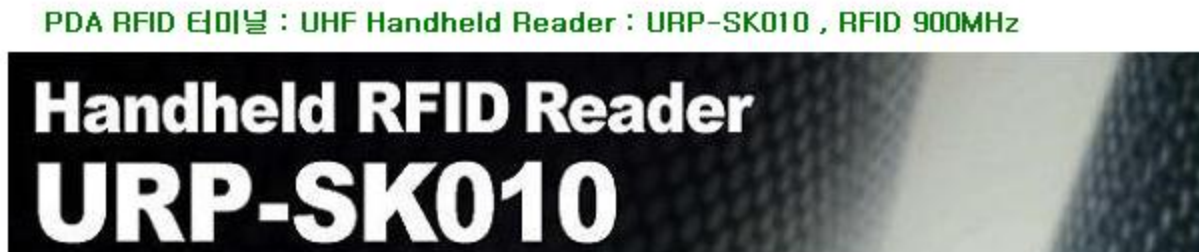
산업용PDA-RFID 13.56MHz 터미널 (바코드: 선택가능) : AT-570 RFID 13.56MHz 기본, Gun

Neat and easy to use, Portable Reader!

### AT570 13.56MHz HANDHELD READER

본 제품은 13.56MHz의 주파수 대역에서 사용하는 것으로 RFID TAG의 정보를 인식하여 상위의 Host Computer에 Real-Time으로 Data를 전송하거나 또는 다른 디바이스에 연결하여 다양한 방식으로 상위 시스템에 Data를 전송합니다.

I-CODE, A-CODE SLI, MI-FARE를 인식할 수 있습니다.



13.56MHz Specification

- 특성 : ISO 14443 Type A/B Application / ISO 15693 Standard Application
- 읽기 인식거리 : 10cm(Tag에 따라 다름)
- 스캔 : 6~12(M/C)
- 전원 : 100mA 이하
- 동작 온도 : -20°C ~ +80°C

액세서리 & 주변기기

- 타입용 거치대, 차량용 거치대, 13.56MHz PATCH, GUN
- GPS 탑재형, 기록케이스, 배터리의 충전기, Bluetooth Printer

산업용PDA-RFID 터미널 90MHz, 13.56MHz(바코드: 선택가능): AT-570 RFID

## Specification

Performance Characteristics

CPU : Intel® Bulverde™ PXA 270 520MHz processor  
 Operating System : Microsoft® Windows™ CE.NET 5.0  
 Memory : 128MB RAM / 128MB ROM  
 Interface / Communications : RS-232, USB 1.1

Wireless LAN Data Communications

Wireless Local Area : IEEE® 802.11 b/g  
 Antenna : Internal for LAN & Bluetooth- Class II, v1.2

RF-ID Option

13.56MHz : Mi-Fare, i-Code 1&2 built in option  
 UHF : Protocol: EPC, ISO 18000-6B, Gen2, 910-914MHz / With Gun Handle

Data Capture Specifications

2D Imager : 1D Laser

Physical Characteristics

Dimensions : 17.5cm L x 7.6cm W x 2.3cm(3.3cm) H  
 Standard configurations : 308g  
 3.5" QVGA with backlight, TFT-LCD, 256K Colors, resistive touch  
 240 W x 320 L (QVGA size)  
 Glass analog resistive touch  
 Lithium ion 3.7V, 4400mAh(rechargeable)  
 Li-Ion (rechargeable) 200mAh 3.7V  
 1 SD slot (with secure cover), 1 Compact flash I/II slot  
 Ethernet (via cradle); USB, host & Client  
 Vibrator and LED  
 Sync cable (24pin&USB v1.1)  
 24+1 Alphanumeric key, 2 scanner buttons, Power buttons  
 Speaker, headset jack

User Environment

Operating Temperature : -20°C ~ 60°C  
 Storage Temperature : -30°C ~ 70°C  
 Humidity : 5~95% non-condensing  
 Drop Specification : 95% non-operating, 60rpm per 60sec  
 Dust & water proof : Applied

IP65 Sealing : Applied

RoHS : Applied

Peripherals and Accessories

Gun handle : Normal Pistol with Lithium Ion battery(2200mAh) for RF-ID Single-ant serial/USB with spare battery charging for standard and extend batteries  
 Cradles : Microsoft Windows CE.NET 5.0  
 Communication : Sync cable (24pin&USB v1.1)  
 Vertical-specific attachments : Snap-on magnetic strip reader & 2" thermal printer

AT570 GPS 탑재형, AT570 13.56MHz - 내장형, AT570 900MHz (8+8 Antenna), AT570 900MHz (4+4 Antenna)

AT-570 RFID DataSheet :: AT-570-Quick Reference Guide 메뉴얼 ::

PDA RFID 터미널 : UHF Handheld Reader : URP-SK010 , UHF Reader Antenna : SAU-06-USS

# Handheld RFID Reader URP-SK010

- Dense Reader Mode
- Fast Anti-Collision
- Variable Antenna Angle
- Extended Read Range
- Robust Sealing
- Comfortable Grip



Superior Performance & Accurate Operation  
 URP-SK010 handheld RFID reader is designed for industrial applications.  
 Now you can experience the most powerful and intelligent handheld RFID reader.

1. Physical and Environmental Characteristics

Dimensions	7.87" L x 3.35" W x 1.86" D(200mm L x 86mm W x 47.3mm D), TBD
Display	3.5" Transflective TFT sunlight readable LCD with LED Backlight, 256K Colors, resistive touch
Sealing	IP65
Operation Temperature	-4°F to +122°F (-20°C to +50°C)
Storage Temperature	-31°F to +140°F (-35°C to +70°C)
Humidity	5%~95% non-condensing
Drop survival	Withstands multiple 4ft(1.2m) drops to concrete
Weight	630g

2. Performance Characteristics

Processor	Intel Bulverde PXA-270(520MHz/624MHz)
System memory	128MB RAM/256MB ROM
Key Board	12 Alphanumeric keyboard, 4 side keys, navigation, power, 5 function keys, reset button
Operating System/Software	Windows CE 5.0
Application Development	Microsoft Embedded Visual C++, Microsoft Visual Studio .NET, Microsoft .NET Compact Framework
Standard Communication	USB 2.0, IrDA(1 & compliant), RS232
LED	charger indicator, scanner indicator, RFID indicator, CDMA indicator
Audio	One mono speaker with MIC, vibrator, Ear Jack

3. RFID Specifications

Dimensions	2.75" L x 1.57" W x 0.33" D(70mm L x 40mm W x 8.5mm D), 22g(0.048 lb)
Operating Temperature	-4°F to +122°F (-20°C to +50°C)
Storage Temperature	-22°F to +158°F (-30°C to +70°C)
Protocol Support	ISO18000-4C, EPC C1 Gen2
Frequency	MIC1910-914MHz, FCC 902-928MHz, ETSI(865-868MHz)
Antenna Connectors	1 Port(MMCX Type)
RF Power Output	Max 1 W
Power supply	5.4V
Host Communication	RS232
Flash Memory	256 kB (Internal Flash)
RAM	64kB (Internal SRAM)
Firmware	Firmware is upgradable via serial port.
Regulatory Approvals	
Certification	TTA

4. Network Characters

Wireless	IEEE 802.11b/g Standard compliant
Bluetooth, CDMA, IrDA	

5. Power Supply

4800mAh, 7200mAh(Li-Polymer removable battery), PDA internal battery for Data Back-Up [about 3~4 hours of continuous operation with full load, and 200 standby hours]  
 Recharging 3~4 hours/Operation and Standby hours may depend on application.

6. Accessories

Desktop Cradle(USB Port, Extra battery charger, Host -> Client Switch)

7. Barcode Scanning

1D Laser scan engine / Laser output conforms to JIS-C-6802 Class 2

UHF Reader Antenna SAU-06-USS

- Intel® UHF RFID Transceiver R1000 adapted
- Remote web control offer easy maintenance
- Simple TDM solution (with RS-232)
- Full aluminum die-casting
- Enhanced DRM filter
- Robust housing : IP54



Water proofing cover(IP54), Network Interface : TCP/IP, USB, RS-232, GPIO, 4 port, mono-static antenna, Aluminum die-casting

## Specification

Size	250 X 170 X 45	Processor	AT91SAM7C256
Operation Temperature	-20 ~ 60	Ant Port	SMA
Storage Temperature	-30 ~ 70	Adaptor	7.5V, 3A
Antenna	4 port, mono-static	Frequency	Global Band compatible
Interface	LAN, RS-232, GPIO, USB	Housing	IP54
Protocol	EPC, Gen2	RF Power	3000m

UHF Reader Antenna SAU-06-USS

- 국제 RFID 표준 준수 및 MK, TTA 인증 취득
- 다양한 내환경성 시험을 통한 시스템 안전성 확보
- 뛰어난 인식 거리 및 동시 인식률
- 완벽한 가독성 및 A/S 지원
- Frequency : 902~908MHz
- Gain : Low dbi, High 9dbi
- 3-dB Beam Width : 60°
- Dimensions : 250 X 170 X 45mm
- Impedance : 50ohm
- Input connector : SMA-FEMALE
- Weight : 1Kg