The Future’s Here - Today!
The RH767 rugged handheld dual RFID and barcode reader features the very latest technology to optimise data collection capabilities now and in the future. It’s compact, light weight design will keep a workforce mobile and agile in parallel with the changing technology demands of customers and suppliers. With an integrated barcode scanner and a choice of either HF or UHF RFID scanner, deploying the RH767 means that your will have the technology today that will power your business for years to come.

A Familiar Working Environment
The RH767 has the familiar Windows CE 5.0 operating system, so you will be able to quickly develop applications that workers will feel confident to start using immediately, and with minimal training. The PDA form factor and gun grip handle have been designed to keep workers in this comfort zone. It has a dual-position trigger for barcode scanning and the RFID antenna is cleverly integrated into the handle, leaving no external devices or antennas to get in the way of operation. It also has a colour LCD touch screen and a 36 alpha-numeric and function key keypad, making operation and data entry easy in any working conditions.

Dual Technology – Maximum Flexibility
Uncompromising flexibility will keep users closely in step with technology. The HF model is a triple RFID reader, supporting ISO 15693 and ISO 14443A/B, and the UHF model reads multiple tags including EPC Gen 2. The RH767’s flexibility extends to data output with a comprehensive range of communication options. It comes with WLAN 802.11b/g and Bluetooth on board. The HF model also supports GPRS communication via the PCMCIA slot.

Built to Last
Unlike other devices on the market, all the technology is packed into a single device with a single power source, keeping down the cost of purchase, repair and replacement. And, with battery capacity 7.4V, 4050mAh, the RH767 can last up to 2 shifts before the power status indicator tells the user it’s time to recharge the battery. And, even with all this power and technology, it’s the lightest device in its class, weighing only 26.81oz (UHF model). It has an IP55 rated, 1.2 metre drop tested rugged PDA construction that minimises the risk of damage and reduces the total cost of ownership.

Smart Reader Solution
The RH767 comes with Unitech’s RFID middleware, making it simple to integrate RFID technology into existing IT systems. The middleware supports direct links to major data systems, further minimising system integration costs and increasing the speed of deployment.

The dual technology, rugged RH767 is the Smart RFID Solution
Main Features
- Dual technology barcode scanner & RFID (HF or UHF) reader
- Lightest in its class
- IP55 rated and 1.2m drop tested
- Embedded RFID Middleware
- Built in Barcode Scanner
- Built in WLAN 802.11b/g, CCX compatible
- Bluetooth connectivity built-in
- GPRS via PCMCIA slot on HF model
**System**
- **Operating System**: Microsoft WinCE.NET 5.0 Professional Plus.
- **CPU**: Intel Processor 400MHz
- **Memory**: SDRAM:64MB, FLASH ROM:64MB
- **Speaker**: A 8Ω Speaker as the sound transducer.
- **Volume controllable by Software**
- **LED Indicator**: Dual color (green/red)

**CPU**

**Display**

- 240 by 320 Reflective TFT Color LCD, display 256K simultaneously with backlight, with touch screen

**Keypad**

- 36 hard-keys backlit keypad including numeric-, alpha- & function keys.
- Navigation-/cursor keys, 2 side buttons for scanner trigger

**Input Devices**

- Touch screen, stylus, keypad, full alphanumeric software keyboard bar code scanner, and RFID reader

**Laser Bar Code Scanner**

- **Scan rate**: 104 scans/sec. ± 12 scans/sec. (bi-directional)
- **Scan Angle**: 47° ±3° default / 35° ±3° reduced

**Symbologies**


**Reader Performance**

**UHF**

- **Frequency**: 862—955Mhz
- **Power Output**: 10mW—1W
- **Antenna**: Circular
- **Reading Distance**: Up to 2.4M depends on frequency and application
- **Tag Support** (Depends on reader for different frequency)
  - EPC C1G1
  - EPC C1G2 - ISO18000-6C
  - ISO18000-6B
  - ISO18000-6A

**HF**

- **Frequency**: 13.56MHz
- **Reading Distance**: 10—13cm tag depends
- **Tag Support**: ISO 15693, ISO 14443 A/B

**Communication**

- **USB**: 1.0
- **802.11b/g**: Support Cisco CCX
- **PCMCIA**: Type II slot accepts GPRS (HF Model only)

**Electrical**

- **Sources**: 1) 12V DC external adapter, 2A
- **Battery life**: UHF up to 12 hours, HF up to 16 hours
- **Charge**: 6 hours with charging cable or with docking station

**Mechanical**

- **Shock**: Withstands multiple 4 ft. (1.2 m) drops to concrete floor
- **Length**: 7.17” (182 mm)
- **Width**: 3.46” (88 mm)
- **Depth**: 5.91” (150 mm)
- **Weight**: UHF 26.81oz, HF 24.05oz

**Environmental**

- **Operating Temperature**: -5°C to 50°C
- **Storage Temperature**: -20°C to 60°C
- **Humidity**: 5% to 95% RH non-condensing

**Docking Station**

- **Interface**: USB
- **Charging**: 6 hours
- **Power input**: AC adapter 12V DC@2A

**Accessories**

- Communication / charging cable
- AC adapter
- Li-ion battery pack

**Development Tool**

- Microsoft Embedded Visual Tools
- Unitech RH767 SDK
- Unitech RFID Middleware SDK

**Software**

- Microsoft Biztalk Server 2006 R2
- Oracle Sensor Edge Server
- IBM WCTME
- Oracle database Lite
Unitech’s RH767 UHF handheld terminal is a rugged dual technology multi-tag UHF RFID and barcode reader. It can read both EPC Gen 1 and Gen 2 RFID tags and comes with embedded RFID middleware and Windows CE 5.0 for easy integration. The RH767 has a battery life of up to 2 shifts. Connectivity options include WLAN 802.11b/g and Bluetooth. It has an IP55 rated and 1.2 meter drop tested rugged PDA construction.

Unitech’s RH767 HF handheld terminal is a rugged dual technology multi-tag HF RFID and barcode reader. It can read 15693/ISO 1443A/B RFID tags and comes with embedded RFID middleware and Windows CE 5.0 for easy integration. The RH767 has a battery life of up to 24 hours. Connectivity options include WLAN 802.11b/g, Bluetooth and GPRS (via the PCMCIA slot). It has an IP55 rated and 1.2 meter drop tested rugged PDA.