

# New RH767 Smart RFID Reader



### 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 UHF RFID scanner, deploying the RH767 means that you 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 RH767 equipped with RFID Reader which supports 860~960 MHz, and Barcode of 1D or 2D imager. 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.

### 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. It has an IP54 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 reader
- Support 860~960 MHz
- IP54 rated and 1.2m drop tested
- Embedded RFID Middleware, support data filtering and smooth
- Built in Barcode Scanner
- Built in WLAN 802.11b/g, CCX compatible
- Bluetooth connectivity built-in

### ► System

|                  |  |
|------------------|--|
| Operating System | Microsoft WinCE.NET5.0 Professional Plus.                                |
| CPU              | Intel Processor 520MHz   |
| Memory           | Flash ROM 320MB, SDRAM 128MB   |
| Speaker          | A 8Ω Speaker as the sound transducer.<br>Volume controllable by Software |
| LED Indicator    | dual color (green/red)   |

### ► Display

240 by 320 Anti-glare Color LCD

### 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

### Symbologies

- UPC-A/E, EAN-8/13, Codabar, Code 39, Code 39 full ASCII, Code 93, Code 32, Interleaved & Std. 2 of 5, EAN 128, Code 11, Delta, MSI/Plessey, Code 128, Toshiba

### ► Reader Performance

#### .UHF

|   |   |
|---|---|
| Frequency   | 860~960MHz                                      |
| Power Output  | 10mW~1W   |
| Antenna   | Circular  |
| Reading Distance  | Up to 4.2M depends on frequency and application |
| Tag Support (Depends on reader for different frequency) | EPC C1G2, ISO18000-6C                           |

### ► Communication

|           |                   |
|-----------|-------------------|
| USB       | 1.0               |
| 802.11b/g | Support Cisco CCX |

### Electrical

- Sources
  - 1) 12V DC external adapter, 2A
  - 2) Rechargeable Li-Ion battery pack @ 7.4V, 4050mAh
  - 3) Rechargeable Ni-MH @ 3.7V, 150mAh as backup battery
- Battery life UHF up to 12 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 182 mm
- Width 88 mm
- Depth 169 mm
- Weight 874 gram

### Environmental

- Operating Temperature -10°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



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