

RH767

Smart Handheld RFID Solution



The Future Is Here - Today!

The RH767 rugged handheld is a dual RFID and barcode reader that features the very latest technology to optimize data collection capabilities now and in the future. Its compact, lightweight design will keep your workforce mobile and agile even with the changing technology demands of your customers and suppliers. With an integrated barcode scanner and your choice of either HF or UHF RFID readers, 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, allowing you to quickly develop applications that your workers will feel confident using immediately and with minimal training. The PDA form factor and gun grip handle were designed for comfort and ease of use. The barcode scanning trigger and RFID antenna are cleverly integrated into the handle, so that no external devices or antennas will get in the way of operation. Data entry is made easy in any working condition using the large color LCD touch screen and 36-key alphanumeric keypad.

Dual Technology – Maximum Flexibility

The RH767's versatile and flexible design will keep users closely in step with technology. The HF model is a triple RFID reader, supporting ISO 15693 and ISO 14443A/B, while the UHF model reads multiple tags including EPC Gen 2. The RH767 also showcases its flexibility in data output with a comprehensive range of communication options: WLAN 802.11b/g and Bluetooth, as well as USB, Ethernet, modem and RS232. The HF model also supports GPRS communication via the PCMCIA slot.

Built to Last

With an IP55 rating and the ability to withstand 1.2-meter drops, the RH767's rugged construction minimizes the risk of damage, thereby reducing the total cost of ownership. All the latest technology is packed into this single device, keeping down the cost of repair and replacement. With a battery life of 24 hours, the RH767 can last up to 2 shifts before the power status indicator tells the user it's time to recharge the battery. Even with all this power and technology, it is the lightest device in its class, weighing only 26.81oz (UHF model).

Smart Reader Solution

The RH767 comes standard with Unitech's RFID middleware, which supports data filtering and smoothing to minimize data transaction network loading. This program also supports direct links to major data systems, making it simple to integrate RFID technology into existing IT systems and further lowering system integration costs and increasing the speed of deployment. With its dual technology system, the rugged RH767 is the smart RFID solution.

Main Features

- Dual technology barcode scanner & RFID (HF or UHF) reader
- Embedded RFID Middleware
- Integrated Barcode Scanner
- IP55 rated and 1.2M drop tested
- UHF model, lightest in its class
- Windows CE 5.0 Professional Plus Operating System
- Built-in WLAN 802.11b/g and Bluetooth connectivity
- GPRS via PCMCIA slot on HF model

Specifications

System

Operating System: Windows CE 5.0 Professional Plus
 CPU: Intel Processor 400MHz
 Memory: SDRAM: 64MB, Flash ROM: 64MB
 Speaker: 8 Ohm speaker
 Volume controllable by software
 LED Indicator: Dual color (green/red)

Display

240 x 320 reflective TFT color LCD, backlit, touch screen

Keypad

Backlit, 36 hard keys, alphanumeric, 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. \pm 12 scans/sec. (bi-directional)
 Scan Angle $47^{\circ}\pm 3^{\circ}$ default / $35^{\circ}\pm 3^{\circ}$ reduced

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: 902~928MHz
 Power Output: 1 Watt
 Antenna: Circular
 Reading Distance: 1.5m~1.8m tag dependent
 Tag Support: EPC Class 0, 0+, 1 & Gen2

HF

Frequency: 13.56MHz
 Reading Distance: 10~13cm tag dependent
 Tag Support: ISO 15693, ISO 14443 A/B

Communication

USB: 1.0
 Infrared: IrDA 1.2 (SIR) compliant
 Up to 115200 baud rate
 PCMCIA: Type II slot accepts GPRS (HF Model only)
 Slots: 1 CF Type 1/Type II slot
 Wireless: Bluetooth Class II
 IrDA 1.2 (SIR) up to 115Kbps
 Method: ActiveSync through USB, or IrDA

Electrical

Sources: 12V DC external adapter, 2A
 Rechargeable Lithium-Ion battery pack @7.4V, 5000mAh
 Rechargeable Ni-MH @3.7V, 150mAh as backup battery
 Battery life: UHF model- up to 12 hours; HF model- up to 20 hours
 Charge: 6 hours with charging cable or docking station

Mechanical

Shock: Withstands multiple 4 ft. (1.2m) drops to concrete
 Dimensions: 7.17" (182 mm) L, 3.46" (88 mm) W, 5.91" (150 mm) D
 Weight: UHF 26.81g; HF 24.05g

Environmental

Operating Temperature: 23°F to 122°F (-5°C to 50°C)
 Storage Temperature: -4°F to 140°F (-20° C to 60° C)
 Humidity: 5% to 95% RH non-condensing
 Environmental Sealing: IP55

Docking Station

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

Accessories

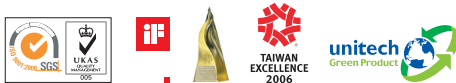
Communication/Charging Cable
 4-Slot Multibay
 AC Adapter
 Lithium-Ion Battery Pack

Development Tool

Microsoft Embedded Visual Tools
 Unitech RH767 SDK

Software Support

Microsoft Biztalk Server R2
 Oracle Sensor Edge Server
 IBM WCTME



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