

RH767II Smart RFID Reader



The Future Is Here - Today!

The RH767II rugged handheld dual RFID and barcode reader features the very latest technology to optimize data collection capabilities now and in the future. It's compact, light weight design will not only keep a workforce mobile and agile, but will also keep pace with the changing technology demands of customers and suppliers. With an integrated barcode scanner and UHF RFID reader/writer, deploying the RH767II means that you will have the technology today that will power your business for years to come.

A Familiar Working Environment

The RH767II has the familiar Windows CE 5.0 operating system, so you will be able to quickly develop, deploy and manage mobile applications to help your business succeed. The PDA form factor and gun grip handle have been designed to optimize performance and comfort. It has a dual-position trigger for barcode scanning and the RFID antenna is seamlessly engineered into the handle, leaving no external devices or antennas to get in the way of operation.

The RH767II also features a color LCD touch screen and a 36-key alpha-numeric and function keypad, making operation and data entry easy in any working conditions.

Dual Technology – Maximum Flexibility

The RH767II's versatile and flexible design will help keep users up to date with emerging technology. This multipurpose device is equipped with an RFID reader / writer (860~960 MHz), barcode scanner (1D or 2D barcodes), and features a comprehensive range of wireless communication options, including WLAN 802.11b/g and Bluetooth.

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. The RH767II boasts a 7.4V, 4050mAh battery capacity which can last up to 2 shifts before requiring a recharge. The device features an IP54-rated environmental seal against water and dust, 4-foot drop threshold, and overall rugged construction to minimize the risk of damage and reduce the total cost of ownership.

Smart Reader Solution

The RH767II comes with Unitech RFID middleware, making it simple to integrate RFID technology into existing IT systems. The middleware supports direct links to major data systems, further minimizing system integration costs and increasing the speed of deployment.

The dual technology, rugged RH767II is the Smart RFID Solution.

Main Features

- Dual technology barcode scanner & RFID reader/writer
- UHF range (860~960 MHz)
- IP54 environmental seal / 4-foot drop threshold
- Embedded RFID middleware, supports data filtering and smoothing
- Built-in barcode scanner
- WLAN 802.11b/g, CCX compatible
- Bluetooth

► System

Operating System	Microsoft CE 5.0 Professional Plus.
CPU	520MHz Intel Processor
Memory	320MB Flash ROM / 128MB SDRAM
Speaker	A 1W speaker as the sound transducer Volume controllable by software
LED Indicator	Dual color (green / red)

► Display

240 x 320 anti-glare color LCD

► Keypad

36-key backlit keypad including numeric, alpha and function keys
Navigation / cursor keys, 2 side buttons for scanner trigger

► Input Devices

Touch screen, stylus, full alphanumeric keypad,
software keyboard, barcode scanner, and RFID reader

► Symbolologies

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

Frequency	860~960MHz
Power Output	10mW~1W
Antenna	Circular or Linear
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	Cisco CCX certified

► 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	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	7.17 in.
Width	3.46 in.
Depth	6.65 in.
Weight	1.93 lbs.

► Environmental

Operating Temperature	14°F to 122°F
Storage Temperature	-4°F to 140°F
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 Tools

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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