# RH768

## Get in control

While the RFID market and variety of RFID solutions keep on rising, Unitech offers you RH768, the best UHF reading/writing device to optimize business processes and increase accuracy in your information flow and operations.

### Quality UHF RFID device

The RH768 offers users a high reading performance in terms of accuracy, flexibility and distance. Because barcodes and RFID tags are frequently being used side by side, RH768 features a 1D/2D barcode reader next to a RFID reader for great user flexibility. Same as other unitech devices, RH768 is a rugged mobile computer which supports a 1.2m drop spec and IP54 rating against moisture and dust so to provide the resistance which is needed in various critical environments, such as factories and warehouses.

### High easy-handling level

Being a well-balanced RFID reader, RH768 offers highly easy-handling level. The main weight of the device is ergonomically spread over the complete unit, which makes it far more convenient than other RFID readers. The gun grip of RH768 contains a second battery to secure double operation time up to 12 hours. With RH768, you can scan RFID tags for accurate stock control, asset management or replenishment whole day long which help to increase the satisfaction of your customer as well as the efficiency of your employees.

### Features

- Supports multiple location frequency bands (US, EU, JP)
- Contains both UHF RFID reader/writer and 1D/2D barcode scanner
- Equipped with Impinj's Indy® chips R2000 UHF module significantly improves the read accuracy and provides 2 times reading distance more than previous model.
- Well-balanced design for easy handling
- All latest communication technology: BT, Wi-Fi, UMTS, 3.5G
- Tag support: EPCgobal® C1G2 (ISO1800-6C)
  1.2m drop spec & IP54 environmental sealing

# unitech

because we care

## Operation System

| | |
|---|---|
| CPU | Marvell PXA320 806MHz |
| Memory | Mobile DDR: 256MB |
| | NaND Flash: 512MB |
| OS | Windows Embedded handheld 6.5 Professional/Classic |

## Display

480x640 VGA, Color LCD, with Touch Screen & backlight

## Keypad

Modularized keypad   22-Key in default package,

43 keys keypad is optional

(Numeric and alpha key)

## Image Device

| | |
|---|---|
| Camera | 5.0 Mega Pixels Auto Focus |
| Flash light | 60 Lux (30cm) |

## Symbologies

**2D Imager**

1D codes   Australian post, British post, Canedian post, Codabar, Code 11, Code 128, Code 39, Code 93, EAN 13, EAN 8, IATA 2 of 5, ITF, ISBT, Japanesepost, Kix code (nl), Korean post, Matrix 2 of 5, MSI, Planet code, Postnet, RSS expanded, RSS limited, RSS 14, UPC A, UPC E, UPC E1

2D codes   Aztec, Codablock F, Code 49, Datamatrix, EAN-UCC, composite, Maxicode, Micro PDF417, PDF 417, QR code, Tcif lonked C39

## UHF RFID reader

| | |
|---|---|
| Frequency | |
| US | 902~928MHz |
| EU | 865~868MHz |
| JP | 916.8~923.4MHz |
| Power Output | 1W |
| Antenna | Patch Antenna |
| Reading Distance | 6 Meters |
| | (Minimum, tested with ALN-9640 tag) |
| Tag Support | EPC C1G2,ISO 1800-6C |

## Indicator

LEDs, Vibrator

## Expansion Slot

SD Memory slot support SDHC up to 32GB

## Audio

MIC, Speaker, Headset Connector, Receiver

## Power Source

| | |
|---|---|
| Main Battery | 7.4V 1950mAH  13.91Wh |
| Second Battery | (in pistol grip) 7.4V 2000 mAH 14.8Wh |
| Operation Hours | Up to 12 Hours |

## Communication

| | |
|---|---|
| USB | 1.1 Host & Client |
| WLAN | IEEE 802.11b/g, (CCX4 certified) |
| PAN | Bluetooth 2.1 + EDR |
| WWAN ( Optional ) | 3.5G  Five-bands ,GSM/GPRS 850Mhz , 900MhZ , 1800Mhz and 1900Mhz ,UMTS WCDMA/HSDPA 50Mhz,1900Mhz , 2100Mhz / GPRS Edge |
| GPS ( Optional ) | Sirf star III Chipset, Supporting InstantFix™ |

## Enclosure

| | |
|---|---|
| Weight | 870g (without main battery) |
| Dimension | Approximately 182 X 88 X 169 mm (Antenna length excluded) |

## Environmental

| | |
|---|---|
| Operating temperature | 14˚F to 122˚F (-10˚C to 50˚C) |
| Storage temperature | -4˚F to 140˚F (-20˚C to 60˚C) |
| Relative Humidity | 5% ~ 95% (non-condensing) |
| Drop Specification | 1.2m (4 feet) |
| Sealing | IP54 |

## Software

Microsoft Mobile 6.5 SDK

Mobile SIP (VOIP)

Auto Installer

## Accessories

Desktop USB Cradle

Desktop Ethernet Cradle

USB communication and charging cable

AC adaptor ( with regional power cord)

Battery charger

4-slot Multi-Bay Ethernet Cradle

## Regulatory Approvals

CE,FCC,NCC,TELEC,CCC, RoHS Compliance

**Unitech electronics co., ltd.  / www.ute.com / marketing@tw.ute.com**

### Global Operation

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