



# RP901

## Wireless UHF RFID Pocket Reader

Radio Frequency Identification (RFID) is an automatic identification technology that has been used in many industries for decades as it allows users to identify objects via wireless communications. Unique from typical RFID readers, unitech launches its first pocket-sized UHF RFID reader with EPC Class 1 Gen2 and ISO 18000-6C standards, RP901. Designed to deliver the highly mobile worker with RFID reading capability in a compact form factor, this device also has ability to communicate with iOS, Android and Windows mobile devices via Bluetooth® wireless technology. Besides, featuring convenient single-button reading design, RP901 enables users to accomplish their data collection tasks with more efficiency in a wide variety of applications such as retail in-store item-level tagging and enterprise asset management.

### Compact UHF RFID Device

A portable, highly capable, UHF RFID reader, the RP901 delivers the ability to read major RFID tags including EPC Class 1 Gen 2 and ISO18000-6C) standards. It not only supports single and multiple reader modes, but also it is integrated with compact and high performance antenna design, allowing mobile worker to get superior read speed UHF signal conversion. Besides, this device is capable of over 6000 scans on a single battery charge and users are able to read RFID tags up to 1M. Measuring only 109mm long, 51 mm wide and 28 mm thick at weight of less than 105g, RP901 is small in size and it offers an user-friendly solution for streamlining productivity at customer-facing operations such as point of sale in retail stores, asset tracking in inventory management, as well as multiple applications in healthcare and medical business.

### Intuitive and Easy to use

With single-button reading design, the RP901 allows the reading and transmission of RFID tag data to mobile devices. This device is extremely simple to use and it is small enough to carry around all day. Powered by rechargeable Lithium battery, it allows users to charge the built-in battery by utilizing a stand micro USB port. On top of that, built in Multi-color status LEDs, it shows the feedback on communication status, battery level and RFID collection status. Beyond its versatility, the RP901 offers batch mode and it allows users to store EPC codes with the memory of 2MB ensuring no data is lost while it is out of range of the wireless signal, also upload the data to the back-end system with a simple setting, allowing users to complete their tasks without interruption. The RP901 also supports simple serial commands and an App to allow users easily control RP901 by an Android host.

### Wireless communications

Compatible with Bluetooth® 2.1+EDR wireless technology, the RP901 can easily to pair with multiple mobile devices including consumer phone, tablets and personal computers running on Windows, Android and iOS. The wireless communication distance of RP901 is up to 10M, it provides mobile workers with greater productivity without restrictions. Moreover, this device supports a global frequency range of 865MHz ~ 928MHz (US/EU/P/TW/CN) for different countries. In addition, the RP901 incorporates rugged design with an IP42 environmental sealing against moisture and dust, while also surviving a 1.5M drop to concrete. unitech RP901 gives your workforce the technology it needs to take your business to the next level.

### Features

- User-friendly operation with a pocket-sized enclosure
- Support multi-protocol ISO 18000-6C, EPC Class 1 Gen2
- Available in multiple frequency bands, 865MHz ~ 928MHz (US/EU/P/TW/CN)
- Bluetooth® wireless easily pairs with iOS, Android and Windows Mobile devices
- Enterprise durability: 1.5M drop protection and IP42 sealing for ingress protection
- High capacity rechargeable Lithium battery
- Capable of over 6000 scans on a single battery charge
- Simple serial commands supported for fast remote control

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because we care

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### System

Memory	2MB
Operation Voltage	3.7VDC
Battery	3.7V, 1100mAh, Lithium Battery
Battery Life	6000 scans
Charge Time	4hrs (fully charged)

### Reader Performance

Frequency	865MHz ~ 928MHz (US/EU/JP/TW/CN)
RFID protocol	EPCglobal Class1 Gen2, ISO/IEC 18000-6C
Antenna	UHF compact antenna
Read Mode	Multiple Tag / Single Tag Mode
Reading Distance	up to 100 CM (Depends on RFID Tag)

### Mechanical

Dimensions	L 109.3 x W 51.4 x H 28.1mm
Weight	106g (with battery)
Material	PC

### Environmental

Operating Temperature	-10°C to 50°C
Storage Temperature	-20°C to 60°C
Humidity	0% to 95% (non-condensing)
IP Rating	IP42
Drop Durability	1.5M

### Communication / Indicators

Radio	Bluetooth® 2.1+EDR
Range	10m (line of sight)
Interface/Profile	PAN(SPP/HID), Micro USB(HID/VCP)
Indicators	LED Indicator / Trigger & Function Buttons / Vibrator / Audible Tone

### Regulatory

EMC	CE, FCC, BSMI, CCC, VCCI
RF	CE, FCC, NCC, SRRC, TELEC
ESD	Functional after 4KV contact, 8KV Air discharge

### Accessories

Battery Pack, Wrist Strap, Micro USB to USB Cable  
1 & 5 Slot Charging cradle (optional)



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