



RP902

Bluetooth UHF Pocket Reader

Over 12H with 75,000 scans | 27dBm Power with 2M read range | IP65 Protect + 1.2M Drop



The RP902 is a compact, lightweight, and durable UHF RFID reader that maximizes your scanning efficiency and facilitates your operations at every task. Featuring multiple reads function, RP902 allows you to capture and process data from multiple tags simultaneously, significantly boosting your scanning efficiency. With its enhanced performance, the RP902 is the perfect solution for a wide range of applications, including inventory checks, cycle counting, and asset management.

Via Bluetooth® 5.0, the portable reader is easily connected to your iOS, Android, or Windows mobile device at hand, satisfying your customer's needs right away! The 75,000 scans with one single battery charge further empower in-store workers to a consistent inventory track over a long period. Combined with a changeable battery that can be fully charged in 2 hours, RP902 creates a seamless operation time in the application of the in-store retail, hospitality, healthcare, and pharmaceutical industries.

Lightweight Reader in Durable Design

Well-fitting in your shirt pocket, the RP902 RFID reader has high mobility to solve your customer's inquiry around the store environment. Coming with a sturdy design, the IP65 sealing for dust and water protection and the 1.2-meter drop to concrete provides you a durable design you can trust with.

Optimized Capture for Multiple RFID Tags

Our RP902 optimizes the RFID capture performance along with more tag reads per second and a longer read range. The multiple reads function in RFID reader allows for the simultaneous scanning of multiple RFID tags, which increases the efficiency of data capture and reduces the time needed for inventory checks, cycle counting, and asset management. Additionally, the function helps to improve accuracy by ensuring that all tags in a given area are identified and recorded, even if they are located close together or in different orientations. Workers achieve better productivity with the read of 75,000 tags over 12 hours. The 2-meter-long read range and strong 27dBm signal on RP902 make stock picking, shipping, and delivery more precise, quickly, and accurately-creating a better customer experience.

Boost UHF RFID Read Performance

Major RFID tags like EPC Global Class 1 Gen 2 and ISO 18000-6C compliant are supported to be read within the global frequency range between 865MHz and 928MHz (US/EU/JP/TW/CN). Integrated with a variety of software platforms, the RP902 lets retail staff check scanning results on the 0.96" display screen and then transmit the data to any devices to enhance asset management.

Flexible Pairing with Mobile Devices

Bluetooth® 5.0 and USB cable support the snap-and-go pairing system on iOS, Android, or Windows mobile devices. Migrating to a new and versatile platform allows different associates to check the information at any time and any place! The smooth and immediate link to the RP902 brings in-store workers the comfort and ease to get ready with the next level of scanning.

Streamline Your RFID Operations with RP902 and TagAccess Software

RP902 is a powerful RFID reader that supports TagAccess software, providing an integrated solution for reading and writing RFID tags. With TagAccess, users can manually pair the device via Bluetooth. The software offers multiple functions, including Inventory, Read & Write, Find Tag, Lock Tag, and Kill Tag. RP902 offers Windows & Android SDKs that allow customers to customize their own RFID applications and integrate them into their workflows for a highly personalized and efficient RFID experience.

Features

- Lightweight and portable RFID reader in pocket size
- Multiple reads function increases the efficiency of data capture
- Perform 75,000 scans over 12 hours of operation time
- Fully-charged just within 2 hours with changeable Lithium battery
- Achieve 2-meter-long read range with strong sensing signals
- Support general RFID commands in TagAccess including Inventory, Read & Write, Find Tag, Lock Tag, and Kill Tag
- Bright and easy-to-read in 0.96" display screen
- Fast and easy pairing with iOS, Android or Windows mobile device via Bluetooth® 5.0





Operation System

Languages support English

Display

Screen Size 0.96"

Indicator

Type Status LED * 1
Communication LED * 1
Vibration
Audible Tone

RFID

UHF EPCglobal Class1 Gen2, ISO/IEC 18000-6C
865MHz ~ 928MHz (US/EU/JP/TW/CN)

UHF RFID Performance / Interface

Reading Distance 2 Meters
Antenna Ports UHF Linearly Polarized Antenn
RF Power output 27 dBm (Adjustable)

Regulatory Approvals

FCC, CE, NCC, SRRC, TELEC

Communication

Bluetooth® Bluetooth® 5.0 (HID / SPP / BLE)

I/O Interfaces

USB USB Type C * 1

Enclosure

Dimension 109 x 51 x 28 mm
Weight 106 g

Durability

Drop Specification 1.2 Meters
Sealing IP65

Environmental

Operating temperature -10 °C to 50 °C
Storage temperature -20 °C to 60 °C
Electrostatic Discharge +/-8kV air discharge
+/-4kV contact discharge

Power Source

Main battery 3.7V, 1150mAh, Lithium Battery (Changeable)
Push Button 3 Buttons: Trigger / Function / Select

Software

SDKs for Android, iOS & Windows configuration APP

Accessories

RP902 One-Slot Charging Cradle
RFID tags/ labels
Hand Strap
Neck Strap
Power Supply

What comes in the box

The standard package contents
RP902
USB cable
Battery



Headquarters

Taipei, Taiwan
<http://www.ute.com> e-mail: info@hq.ute.com

Unitech America

Los Angeles
<http://us.ute.com> e-mail: info@us.ute.com
<http://can.ute.com> info@can.ute.com
Mexico
<http://latin.ute.com> e-mail: info@latin.ute.com

Unitech Asia Pacific & Middle East

Taipei
<http://apac.ute.com> info@apac.ute.com / info@india.ute.com
<http://mideast.ute.com> info@mideast.ute.com

Unitech Europe

Tilburg / Netherlands
<http://eu.ute.com> e-mail: info@eu.ute.com

Unitech Japan

Tokyo
<http://jp.ute.com> e-mail: info@jp.ute.com

Unitech Greater China

Beijing, Shanghai, Guang Zhou, Xiamen
<http://cn.ute.com> info@cn.ute.com
Taipei <http://tw.ute.com> info@tw.ute.com

