RP902
Bluetooth UHF Pocket Reader

Over 12H with 75,000 Scans | 27dBm power with 2M read range | IP65 Certification + 1.2m drop protection

The Unitech RP902 is a compact, lightweight, and durable UHF RFID reader that maximises scanning efficiency and simplifies managing even the largest inventories. Bluetooth® 5.0 allows the RP902 to easily connect to iOS, Android, or Windows mobile devices, enabling healthcare workers to check operation room medical devices after surgery to minimize treatment errors and secure patients' safety. The 12-hour battery life and high capacity of the RP902 further empower workers to verify information like patient identity and prescribe drugs with just 2 hours of charging time. Healthcare, pharmaceutical, and healthcare industry operations are seamless with the Unitech RP902 Bluetooth UHF Pocket Reader.

Superior Lightweight Reader with Durable Design

Feather-light but with a sturdy design, the RP902 RFID reader is the perfect size for healthcare workers and can withstand temperatures from 14°F to 122°F while operating at peak performance. IP65 sealing certification to keep out dust and water and 3.9-foot drop to concrete protection means that this is a durable design you can trust.

Optimized Capture for Multiple RFID Tags

The RP902 optimizes RFID capture performance, reading more tags per second and at a longer read range. With the capability of reading 75,000 tags over 12 hours, your productivity will increase to never-before-seen levels. The 6.5-foot-long read range and strong 27dBm signal of the RP902 make it ideal for precisely tracking stock even on higher shelves. Major RFID tags like EPC Global Class 1 Gen 2 and ISO 18000-6C compliant are supported with a global frequency range between 865 MHz and 928MHz (US/EU/JP/TW/CN).

Flexible Pairing with Mobile Devices and Hosting Systems

The RP902 can integrate with a variety of software platforms, allowing workers to quickly check scan results on the 1-inch display screen. Bluetooth® 5.0 and USB cable options support the snap-and-go pairing system on iOS, Android, and Windows Mobile devices. Add comfort and ease to your employees' workflow with the smooth integration offered by the RP902.

Quick Charging and Unmatched Battery Life

With the longest-lasting battery life in its class, our easily changeable power-optimizing battery provides 12 hours of scanning on only 2 hours of charging. Your healthcare workers can count on a full shift of power – even with intensive use.

Features:

- Lightweight, portable, pocket-sized RFID reader
- Perform 75,000 scans with over 12 hours of operation time
- Changeable lithium battery charges to full in only 2 hours
- Strong sensor signals ensure a 6.5-foot read range
- Enterprise durability: 3.9' drop protection and IP65 sealing against dust and water ingress
- Bright, easy-to-read 1-inch display
- Fast and easy pairing with iOS, Android, or Windows mobile devices using Bluetooth® 5.0

unitech

Operation System

Languages support	English

Display

Screen Size	0.96"

Indicator

Type Weight	Charging 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	6.5 Feet
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 / MFi)

I/O Interfaces

USB	USB Type C * 1

Enclosure

Dimension	4.3 x 2 x 1.1 inches
Weight	3.7 oz

Durability

Drop Specification	3.9 Feet
Sealing	IP65

Environmental

Operating temperature	14 °F to 122 °F
Storage temperature	-4 °F to 140 °F
Electrostatic Discharge	+/-8kV air discharge
	+/-4kV contact discharge

Power Source

Main battery	3.7V, 1100mAh, Lithium Battery (Changeable)
Push Button	3 Buttons: Trigger / Function / Select

Software

SDKs for Android, iOS & Windows configuration APP

Accessories

RP902 Charging Cradle
RFID tags/ labels

What Comes in the Box:

RP902
USB cable
Hand Strap
QSG