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, including inventory check, cycle counting, asset management, and more!

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. Workers achieve better productivity with the read of 75,000 tags over 12 hours. The 2-meter-long read rage 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.

Features

- Lightweight and portable RFID reader in pocket size
- 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 sensoring signals
- Enterprise durability: 1.2M drop protection and IP65 sealing for ingress protection
- 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

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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

Operation System

Languages support	English

Durability

Drop Specification	1.2 Meters
Sealing	IP65

Display

Screen Size	0.96"

Environmental

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

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)

Power Source

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

UHF RFID Performance / Interface

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

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

Regulatory Approvals

FCC, CE, NCC, SRRC, TELEC