RP300

UHF RFID Mobile Reader

Powered by Impinj E710 with Gen2X Support | Up to 25m Read Range | 7000mAh Quick-Release Battery

Smart RFID/UHF Performance Tailored for EA660 and Beyond

The RP300 features a custom holder designed specifically for the EA660. Simply slide the EA660 into the holder and close it—your device is now ready for both barcode and RFID/UHF scanning. It offers flexibility, portability, and an efficient data collection experience, helping streamline your workflows.

*Support for EA530 and iOS devices (iPhone/iPad) coming soon.

Cross-Platform Connectivity for Maximum Flexibility

The RP300 offers broad compatibility with Windows, Android, and iOS systems, giving users the flexibility to operate across multiple platforms. It supports a variety of connection scenarios to fit different workflows—whether used as a standalone device or paired with dedicated holders. When used on its own, the RP300 connects wirelessly via Bluetooth or NFC. When docked with compatible holders—such as the EA660 (available now) and the EA530 (coming soon)—it supports secure wired connectivity through a USB-C interface. Support for iOS device holders is also coming soon, further enhancing cross-platform versatility.

Dual-Mode Scanning: Barcode & RFID in One Device

The RP300 combines both RFID and barcode scanning capabilities in a single device, giving users unmatched flexibility across various applications. Equipped with dedicated triggers for barcode and RFID operations, users can effortlessly switch between modes based on task requirements—no device swapping needed. This dual-mode functionality makes the RP300 ideal for fast-paced environments such as retail inventory checks, warehouse management, and asset tracking, where both barcode labels and RFID tags are used interchangeably.

Boost UHF RFID Read Performance–Up to 25 Meters

Powered by the Impinj E710 RFID chip, the RP300 supports major RFID tag protocols, including EPC Class 1 Gen2 V2 and Gen2X standards. With a maximum output power of 33 dBm, it delivers exceptional long-range performance—capable of reading over 1,000 tags per second and achieving read ranges of up to 25 meters, depending on the test environment. This high-performance capability is ideal for real-world applications, helping retailers and warehouse operators efficiently manage high shelves, storage areas, and inventory workflows across retail, logistics, and field service environments.

Quick-Release Battery Design for All-Day Operation

Designed for nonstop productivity, the RP300 features a quick-release battery design that allows fast and effortless battery swaps—minimizing downtime during long work shifts. Powered by a high-capacity 7000mAh battery, it ensures stable performance throughout the day, even in high-demand environments.

Whether used in retail, hospitality, or outdoor logistics, the RP300 helps users stay powered and efficient without interruption—anytime, anywhere.

Support Gen2X

Impinj Gen2X is an advanced RAIN RFID solutions toolbox designed to elevate performance and reduce total solution costs. Key advantages include significantly faster inventory counts and improved read accuracy and range—particularly for small, embedded, or hard-to-read tags. These improvements help reduce labor costs and enable new use cases such as food tagging. Gen2X also introduces enhanced security features, including protection against tag and item counterfeiting and privacy safeguards at the point of sale.

The RP300 supports Impinj Gen2X, delivering enhanced RFID performance that improves the user experience and boosts operational efficiency across various applications.

Features

- Powered by Impinj E710, Gen2X support
- Long-range RFID reading up to 25 meters
- 7000mAh quick-release rechargeable battery
- Connect via Bluetooth, USB-C, pogo pin, or tap-to-pair with NFC.
- Compatible with Android and iOS Host
- MFi-certified for seamless Apple device integration
- Optional 2D barcode scanning (SE4107)
- IP65 dustproof, waterproof and 1.5 meters resistant to fall protection
- Shares the same SDK and TagAccess with other Unitech RFID readers

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RP300

UHF Handheld Reader

RFID Performance

RF Chip	Impinj E710
Max. Output Power	5 ~ 33dBm (Adjustable)
Max. Read Range	25m
Max. Read Rate	Over 1,000 tags per second

Symbologies

2D Engine	Zebra SE4107 (option)

RFID

UHF	EPCglobal Class1 Gen2 V2; Gen2X
	865MHz ~ 928MHz (US/EU/JP/TW/CN)

Communication

Host Connection	USB-C
	Bluetooth 5.3 (SPP/HID/iAP2)
	Pogo Pin
	NFC quick pairing
	Customized holder (for unitech EA660 & EA530; for iOS devices)
	OtterBox uniVERSE Case System

Regulatory Approvals

MFi (Coming Soon)
FCC, CE, TELEC, NCC

Enclosure

Dimension	172.02 x 81.00 x 156.36 mm
Weight	564g (with 2D engine)

Durability

Drop Specification	1.5M
Sealing	IP65

Indicator

4 LEDs: Status LED * 2 / Power LED * 1 / Communication LED * 1
Buzzer

Power Source

Main battery	7,000mAh, Quick-Release
Charging	Able to charge host device simultaneously (EA530 & EA660)
Push Button	1 Multi-Function Trigger
	1 communication (BT / USB)

Environmental

Operating Temperature	With iOS: 0°C to 35°C
	With EA530, EA660: -20°C to 50°C
Storage Temperature	-40°C to 70°C
Humidity	5% to 95% RH (non-condensing)
Electrostatic Discharge	+/-15kV air discharge
	+/-8kV contact discharge

Software

TagAccess
RFID SDK

Zapraszamy do kontaktu!
Więcej informacji: www.kreski.pl

www.ute.com
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