

### UHF | RAIN - Handheld Reader Chainway - R5

- RAIN RFID (UHF EPC Class1 Gen2, ISO 18000-6C) compliant
- Up to 14 m read distance
- USB Type-C data & Bluetooth LE 5.0
- Wrist or arm strap wearable design
- Removable 2000mAh battery



### UHF | RAIN - RFID & Barcode Robust RFID Reading and Writing

The Chainway R5 is a powerful wearable UHF reader designed to bring maximum mobility and efficiency to any RFID workflow. With an impressive read range of up to 14 meters and support for the latest Impinj Gen2X technology, it delivers fast, reliable tag capture even in demanding environments. Its magnetic mounting system enables seamless attachment to smartphones, tablets, and other mobile devices, transforming them into fully capable RFID terminals without adding bulk or complexity.

Built for comfort and flexibility, the R5 can be worn on the wrist or arm, allowing hands-free operation throughout the entire working day. USB Type-C and Bluetooth Low Energy 5.0 ensure smooth data transmission to a wide range of Android and iOS devices, while the removable 2000 mAh battery keeps performance strong through extended shifts. Whether in warehousing, asset management, retail, or field inspection, the R5 empowers users to work faster, smarter, and with greater freedom of movement.

### Common Applications

- Warehousing & Logistics
- Asset Management
- Retail & Store Operations
- Field Service & Inspection
- Healthcare & Laboratory

## **CHAINWAY** Powering Intelligence at the Source



## TECHNICAL SPECIFICATIONS

### Physical Characteristics

Dimensions	108 mm × 78 mm × 18 mm
Weight	200 g
Port	USB Type C
Button	ON / OFF, SCAN
Battery	2000mAh (removable)
Charging Current	5V / 1.5A
Charging Duration	2 hours
LED Indicator	Red indicator will be ON when charging;
	Green indicator will be ON when device has been fully charged;
	Blue indicator will be ON when battery is higher than 20%;
	Blue indicator will flash when battery is lower than 20%;
	Bluetooth is not paired when bluetooth indicator is OFF;
	Bluetooth is paired when bluetooth indicator is ON

### Communication

Type C USB	USB connection to realize data transfer
BT	Bluetooth Low Energy (BLE) 5.0

### Data Collection / UHF

Engine	CM710-1 module based on Impinj E710
Antenna parameter	Circular Polarized Antenna (3dBic)
Frequency	920-925 MHz / 902-928 MHz / 865-868 MHz
Impinj Gen2X	Supported
Protocol	EPC C1 GEN2 / ISO18000-6C
Power	1W (30dBm, support +5~+30dBm adjustable)
Max Read Range	11m (Impinj MR6 tag, size 70 x 15mm) 12m (Impinj M750 tag, size 70 x 15mm) 14m (Alien H3 Anti-Metal tag, size 130 x 42mm)
Fastest Read Rate	900+ tags/sec

### User Environment

Operating Temp.	-20°C to 50°C
Storage Temp.	-40°C to 70°C
Humidity	5%RH - 95%RH non condensing
Dropping	1.5m / dropping on concrete
Sealing	IP65

### Developing Environment

SDK	Android / IOS SDK Supported
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