



# R2

## UHF RFID Swing Reader



Bluetooth



1D Barcode



2D Barcode



UHF

Chainway R2 is a newly-developed handheld data collection device with stylish design and incredible performance. It delivers superior UHF reading and writing, barcode scanning, transmits data to the data center via Bluetooth with ease. It can complete tasks in inventory management, asset management, and inspection etc.

# Specification

## Physical Characteristics

<b>Dimensions</b>	282x117.5x32mm / 11.10x4.63x1.26in
<b>Weight</b>	334g/11.78oz (with battery)
<b>Colour</b>	White
<b>Appearance material</b>	Plastic
<b>Keypad</b>	PWR button (side), up, down, return, ok, SCAN button (front)
<b>Power</b>	Battery specification: 5200mAh
	Standby: over 70 hours (keeping bluetooth connected)
	Continuous use: up to 6 hours (UHF reading)
	Charging time: 3-4 hours (with standard adaptor and USB cable)
<b>Display</b>	1.77 inch, 128X160
<b>Indicator LED</b>	Power, Work, Bluetooth
<b>buzzer</b>	Support
<b>Interfaces</b>	Micro-USB

## Performance

<b>MCU</b>	Cortex-M3
	72MHz
<b>Storage</b>	50000 tags

## User Environment

<b>Operating Temp.</b>	-20°C~+50°C
<b>Storage Temp.</b>	-40°C~+70°C
<b>Humidity</b>	5%RH - 95%RH non condensing
<b>Drop Specification</b>	Multiple 1.5m/4.9ft drops to concrete across the operating temperature range
<b>Tumble Specification</b>	1000 x 0.5m/1.64ft falls at room temperature
<b>ESD</b>	±15KV air discharge, ±8KV conductive discharge

## Developing Environment

<b>SDK</b>	Android / IOS
<b>Tool</b>	Android Studio / Xcode
<b>Language</b>	Java / Objective-C

## Communication

<b>Bluetooth</b>	Bluetooth 4.0, BLE
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## Data Collection

### Barcode Scanning (Optional)

<b>2D Imager Scanner</b>	SE2707
<b>1D Symbologies</b>	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
<b>2D Symbologies</b>	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX), etc.

## UHF

<b>Engine</b>	CM2000-1 module based on Impinj Indy R2000
<b>Antenna</b>	Linear Polarized antenna (4dBi)
<b>Frequency</b>	920-925MHz/902-928MHz/865-868MHz
<b>Protocol</b>	EPC C1 GEN2 / ISO18000-6C
<b>Module power</b>	1W (30dBm, support +5~+30dBm adjustable)
	2W Optional (33dBm, for Latin America, etc.)
<b>R/W range</b>	>28m(indoors);>15m(open outdoors, Impinj MR6 tag)
<b>Reading rate</b>	>200tags/s

\* Ranges and rates depend on tags and environment

## Accessories (See details in Accessory Guide)



AC Adapter



USB cable

Notice: Product specifications are subject to change without prior notice. / Model: R2 / Update Date: 2020-01-16

**CHAINWAY®**

Shenzhen Chainway Information Technology Co., Ltd

Address: 9F, Building2, Phase 2, Gaoxinqi Industrial Park, Liuxian 1st Rd., Bao'an District, Shenzhen, Guangdong 518102, China

Tel: 0086-755-23223316

Fax: 0086-755-23223310

Email: sales@chainway.cn

Web: <http://www.chainway.net>