

CHAINWAY®



R3

Desktop RFID Reader

Chainway R3 is a newly-developed desktop UHF reader, supporting Impinj Gen2X. It is compatible with Windows/Android/IOS applications, and enables short read distance over 100cm. Combined with high-efficiency collision processing algorithm, it delivers fast reading and writing of tags and maintains high identification rate as well. And it allows data transmission via Bluetooth, Type C USB. R3 can be deployed in retail collection, logistics, identity verification, smart parking, access control, anti-counterfeiting system, production process control, etc.

Specification

Physical Characteristics

Dimensions	318 mm × 318 mm × 20 mm
Weight	1133 g / 39.96 oz.
Port	USB Type-C
Power Supply Protocol	USB 2.0
LED Indicator	Power
	BT connection status
	Working (flash when scanning tags)

Developing Environment

SDK	USB, Android / Windows
	Bluetooth, Android / IOS

Communication

USB Type C	Data Communication via USB
BT	Bluetooth Low Energy (BLE) 4.0

User Environment

Operating Temp.	-4°F to 122°F / -20°C to 50°C
Storage Temp.	-40°F to 158°F / -40°C to 70°C
Humidity	5%RH - 95%RH non condensing
Sealing	IP65

UHF

Engine	CM310-4 module based on Impinj E310 CM510-4 module based on Impinj E510
Frequency	865-868 / 920-925 / 902-928 MHz (custom-design for frequency band)
Impinj Gen2X	Supported
Protocol	EPC C1 GEN2 / ISO18000-6C
Output Power	1dBm-30dBm, 1dBm (stepper)
Multi-tag Inventory	Supports reading 100+ RFID tags at once
Read Range	>100cm Impinj M750 tag



Notice: Product specifications are subject to change without prior notice. / Model: R3 / Update Date: 2025-06-26

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