CHAINWAY

R3

Desktop RFID Reader



Chainway R3 is a newly-developed desktop UHF reader, supporting Impinj Gen2X. It is compatible with Windows/Android/OS 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	318×318×20mm
	Weight	1133g / 39.96oz.
	Port	USB, DC
	Power Supply Protocol	USB 2.0, DC
	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	Based on Impinj E Series chips
	Frequency	865-868MHz / 920-925MHz / 902-928MHz (custom-design for frequency band)
	Impinj Gen2X	Supported
	Protocol	EPC C1 GEN2 / ISO18000-6C
	Output Power	1dBm-30dBm, 1dBm (stepper)
	Multi-tag Inventory	100+ tags (in 5s)
	Read Range	>100cm Impinj M750 tag

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