CHAINWAY®

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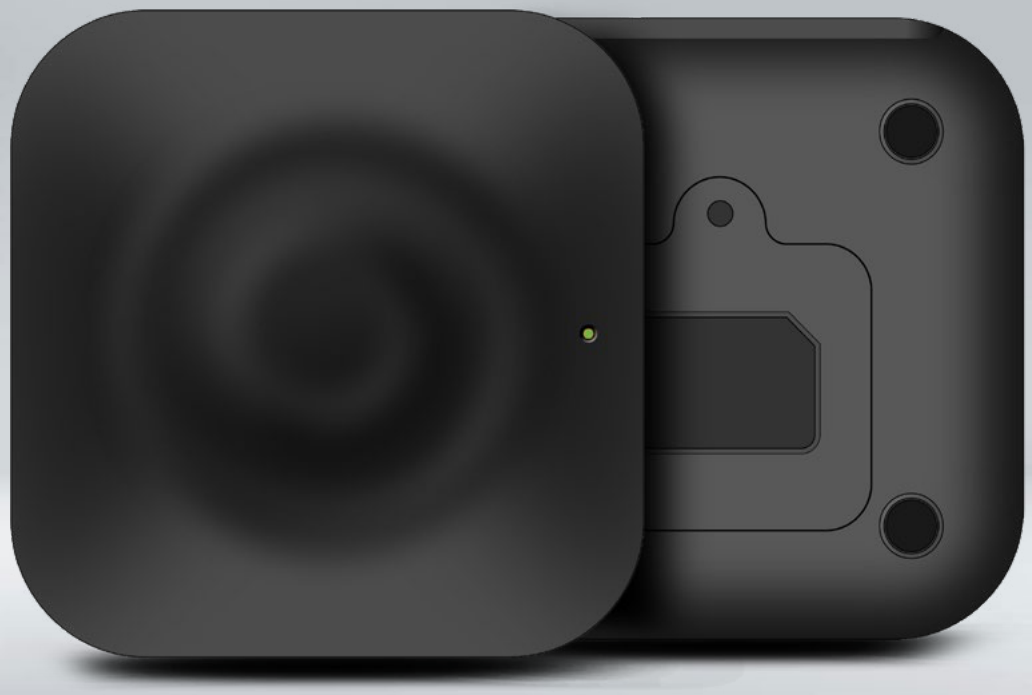
SMART & GREEN



R1

RFID Reader/Writer

Chainway R1 is a high-performance reader/writer supporting the latest Impinj Gen2X. It features both HF and UHF reading capabilities and supports a variety of protocol standards such as ISO18000-6C, ISO14443 A/B, and ISO15693. With excellent HF and UHF reading performance, R1 can achieve UHF tag reading by rapid velocity and maintain a high recognition rate simultaneously. Besides, it is easy to deploy and operate by connecting its USB port to a PC without driver installation. All these make R1 can be widely used in various RFID applications such as logistics, access control, anti-counterfeiting and production process control.

Specification

Physical Characteristics

Dimensions	117 x 117 x 25mm / 4.6 x 4.6 x 0.98in
Weight	170g / 6.0oz.
Interfaces	USB Type-C
Cable	1.2m
Notification	LED indicator, buzzer

Power

Input Voltage	DC3.5 - 5.25V
UHF	5W@25dBm
HF	2W
Standby	0.4W

User Environment

Operating Temp.	-13°F to 149°F / -25°C to 65°C
Storage Temp.	-40°F to 185°F /-40°C to 85°C
Humidity	10% - 95%

UHF RFID

Engine	Based on Impinj E Series chips
Impinj Gen2X	Supported
Protocol	ISO18000-6C / EPC C1G2
Output Power	+1dBm to +25dBm adjustable Accuracy：+/- 1dB
Antenna	Circular Polarized Antenna
Frequency	865-868MHz / 920-925MHz / 902-928MHz
R/W range	15cm

HF RFID

Protocol	ISO / IEC 14443A ISO / IEC 14443B ISO / IEC 15693 ISO / IEC 18000-3 mode 3/EPC class-1 HF JIS X 6319-4
Frequency	13.56MHz
R/W Range	5cm

PSAM

Slot	2 slots
Protocol	ISO7816 T = 0, T = 1







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