



Chainway R1 is a high-performance reader/writer with 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	117x117x25mm / 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	CM-3N module based on Impinj E310
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 18000-3mode 3/EPC class-1HF JIS X 6319-4
Frequency	13.56MHz
R/W Range	5cm

### PSAM

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

