

CHAINWAY



R5

Wearable UHF Reader

Chainway R5 is a newly-developed wearable UHF reader that enables read distance of 14m. Additionally, it supports the latest Impinj Gen2X for enhanced RFID performance. By adapting wrist strap or arm strap, it can be attached to mobile phone, tablet and other devices by magnetic attachment. It features removable battery, performs data transmission via Type C USB, and enables user information interaction via Bluetooth coordinated with APP or SDK. And it also can be paired with Android/IOS device to expand RFID capability. This RFID reader can be suitable for warehousing, power inspection, asset management, retail, etc., which provides users with more flexibility to efficiently finish their tasks at hand.



Specification

Physical Characteristics		User Environment	
Dimensions	108mm × 78mm × 18mm	Operating Temp.	-4°F to 122°F / -20°C to 50°C
Weight	200g / 7.05oz.	Storage Temp.	-40°F to 158°F / -40°C to 70°C
Port	USB Type C	Humidity	5%RH - 95%RH non condensing
Button	ON / OFF, SCAN	Dropping	1.5m / 4.92ft. dropping on concrete
Battery	2000mAh (removable)	Sealing	IP65
Charging Current	5V / 1.5A	UHF	
Charging Duration	2 hours	Engine	CM710-1 module based on Impinj E710
LED Indicator	Red indicator will be ON when charging;	Antenna parameter	Circular Polarized Antenna (3dBi)
	Green indicator will be ON when device has been fully charged;	Frequency	920-925MHz / 902-928MHz / 865-868MHz
	Blue indicator will be ON when battery is higher than 20%;	Impinj Gen2X	Supported
	Blue indicator will flash when battery is lower than 20%;	Protocol	EPC C1 GEN2 / ISO18000-6C
	Bluetooth is not paired when bluetooth indicator is OFF;	Power	1W (30dBm, support +5~+30dBm adjustable) 2W Optional (33dBm, for Latin America, etc.)
	Bluetooth is paired when bluetooth indicator is ON	Max Read Range	11m (Impinj MR6 tag, size 70 x 15mm) 12m (Impinj M750 tag, size 70 x 15mm) 14m (Alien H3 Anti-Metal tag, size 130 x 42mm)
Developing Environment		Fastest Read Rate	900+ tags/sec
SDK	Android / IOS SDK Supported	* Ranges are measured in the open outdoors and low interference environment, and rate is measured in a laboratory low interference environment, they are affected by tags and environment.	
Communication			
Type C USB	USB connection to realize data transfer	Accessories (Optional)	
BT	Bluetooth Low Energy (BLE) 5.0	Wrist strap / arm strap / magnetic handle	