

# Specification

## Physical Characteristics

<b>Dimensions</b>	108mm × 78mm × 18mm
<b>Weight</b>	200g / 7.05oz.
<b>Port</b>	USB Type C
<b>Button</b>	ON / OFF, SCAN
<b>Battery</b>	2000mAh (removable)
<b>Charging Current</b>	5V / 1.5A
<b>Charging Duration</b>	2 hours
<b>LED Indicator</b>	Red indicator will be ON when charging;
	Green indicator will be ON when device has been fully charged;
	Blue indicator will be ON when battery is higher than 20%;
	Blue indicator will flash when battery is lower than 20%;
	Bluetooth is not paired when bluetooth indicator is OFF; Bluetooth is paired when bluetooth indicator is ON

## Developing Environment

**SDK** | Android / IOS SDK Supported

## Communication

<b>Type C USB</b>	USB connection to realize data transfer
<b>BT</b>	Bluetooth Low Energy (BLE) 5.0

## User Environment

<b>Operating Temp.</b>	-4°F to 122°F / -20°C to 50°C
<b>Storage Temp.</b>	-40°F to 158°F / -40°C to 70°C
<b>Humidity</b>	5%RH - 95%RH non condensing
<b>Dropping</b>	1.2m / 3.94ft. dropping on concrete
<b>Sealing</b>	IP65

## UHF

<b>Engine</b>	CM710-1 module based on Impinj E710 CM2000-1 module based on Impinj Indy R2000	
<b>Antenna parameter</b>	Circular Polarized Antenna (3dBic)	
<b>Frequency</b>	920-925MHz / 902-928MHz / 865-868MHz	
<b>Protocol</b>	EPC C1 GEN2 / ISO18000-6C	
<b>Power</b>	1W (30dBm, support +5~+30dBm adjustable)	
	2W Optional (33dBm, for Latin America, etc.)	
<b>Max Read Range</b>	Impinj E710 chip: 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)	
	Impinj R2000 chip: 11m (Impinj MR6 tag, size 70 x 15mm) 8m (Impinj M750 tag, size 70 x 15mm) 9m (Alien H3 Anti-Metal tag, size 130 x 42mm)	
	<b>Fastest Read Rate</b>	900+ tags/sec

\* 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.

## Accessories (Optional)

Wrist strap / arm strap / magnetic handle