



## UHF RFID Sled Reader



Bluetooth



1D Barcode



2D Barcode



UHF

RFID Sled Reader features powerful UHF reading and writing powered by Impinj E710 / R2000 chip, and barcode scanning with high sensitivity. You can attach the mobile phone to UHF Sled Reader for a complete one-piece solution. The device can be widely deployed in power patrol inspection, asset tracking, clothing inventory, warehouse management, vehicle management, financial management, and so forth.



# Specification

## Physical Characteristics

<b>Dimensions</b>	151 x 76 x 132 mm / 5.94 x 2.99 x 5.19 in.
<b>Weight</b>	Sled Reader: 438 g / 15.45 oz.
<b>Colour</b>	Black
<b>Power</b>	Battery specification: 5200 mAh removable battery Standby: over 70 hours (keeping bluetooth connected) Continuous use: up to 2.5 hours (UHF reading: 400 tags) Charging time: 4-5 hours (with standard adaptor and USB cable)
<b>Interfaces</b>	USB 3.0 Type-C
<b>Buzzer</b>	Support
<b>Indicator LED</b>	Power, Work, Bluetooth
<b>Product material</b>	Plastic
<b>Size of adapted phone</b>	Sled Reader: Width 68~80 mm, thickness: within 22 mm Others: Based on phone case or holder

## Performance

<b>MCU</b>	Cortex-M3 72MHz
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## 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>Tumble Specification</b>	1000 x 0.5 m / 1.64 ft. falls at room temperature
<b>Drop Specification</b>	Multiple 1.5 m / 4.92 ft. drops to concrete across the operating temperature range
<b>Sealing</b>	IP54 per IEC sealing specifications
<b>ESD</b>	±15 KV air discharge, ±8 KV conductive discharge

## Developing Environment

<b>SDK</b>	Android / IOS
<b>Tool</b>	Android Studio / Xcode
<b>Language</b>	Java / Objective-C

## Communication

<b>Bluetooth</b>	Bluetooth Low Energy (BLE) 5.0
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## Data Collection

<b>UHF</b>	
<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 (4dBic)
<b>Frequency</b>	920-925 MHz / 902-928 MHz / 865-868 MHz
<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: 30m (Impinj MR6 tag, size 70 x 15mm) 28m (Impinj M750 tag, size 70 x 15mm) 31m (Alien H3 Anti-Metal tag, size 130 x 42mm) Impinj R2000 chip: 25m (Impinj MR6 tag, size 70 x 15mm) 26m (Impinj M750 tag, size 70 x 15mm) 25m (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.

## Barcode Scanning (Optional)

<b>2D Imager Scanner</b>	SE2707
<b>1D Symbologies</b>	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
<b>2D Symbologies</b>	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX), etc.

## Accessories (See details in Accessory Guide)



AC Adapter



USB cable

Notice: Product specifications are subject to change without prior notice. / Model: R6 / Update Date: 2023-03-02

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