



# U8

## Wearable UHF Reader



U8 is Speedingiot's innovative wearable UHF RFID reader, engineered with the powerful IMPINJ E-series chip for superior sensitivity, extended read range (up to 15 meters), low power consumption, and robust performance. Fully compliant with EPC Global C1 Gen2/ISO 18000-6C standards. the U8 pairs effortlessly with Android/iOS devices to extend RFID capabilities. Bluetooth-enabled interaction with companion apps/SDKs, Use it with shoulder straps, wristbands, or magnetically attach it to phones/tablets via accessories. This drives true lightweight and widespread adoption in RFID systems. It empowers efficiency in diverse applications: logistics, access control, apparel, retail, warehousing, asset management, power inspection, anti-counterfeiting, and smart manufacturing.

### Application scenarios



Equipment management



Warehouse logistics



Washing linen



livestock management



Tool Management



file management

# Specification

## Physical Characteristics

Dimensions	174 × 84 × 18 mm
Weight	320 g
Color	Black (Host)
Buzzer	Integrated buzzer
Port	USB Type C, Connection to realize data transfer
BT	Bluetooth Low Energy (BLE) 5.1
Button	Scan buttons (Left/Right) , ON / OFF, SCAN
LED Indicator	Battery level / Bluetooth indicator / Work status indicator
Battery	5600 mAh Rechargeable Lithium Battery
Charging Current	Type-C interface, 5V / 0.5A~3A
Charging Duration	< 6hours
Operating Time	14 hours (Balanced Mode)

## RFID UHF

Engine	Impinj E510
Frequency	920-925MHz / 902-928MHz / 865-868MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Power	1W (30dBm, support 5~30dBm adjustable) 2W Optional (33dBm, for Latin America, etc.)
Engine	Circular Polarized Antenna
Write Tag Function	Supports tag writing
Fastest Read Rate	Up to 700 tags/second
Reading Distance	15m ( Speedingiot L9725 Impinj R6-P Label , Stick it on the cardboard box)

\* Actual performance depends on tag type, transmission power, and application environment .

## Authentication

Sealing	IP65
Dropping	1.5m / 4.92ft. dropping on concrete
authentication	CE、FCC、ROHS

## Development Environment

SDK	Android / IOS SDK Supported
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## User Environment

Operating Temperature	-13°F to 122°F / -25°C to 50°C
Storage Temperature	-22°F to 158°F / -30°C to 70°C
Humidity	5% to 95% RH (non-condensing)

## Accessories

Standard Accessories	Power adapter, Wrist strap, Warranty card, etc.
Optional Accessories	Magnetic wrist strap bracket available



Special Reminder: Product data is for reference only and subject to change without prior notice.

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