

R6

Bluetooth sled that turns a phone or tablet into an RFID reader



Overview

A BLE 5.0 sled pairing with Android or iOS, so field teams use the phone they already carry. Reads beyond 26 m outdoors at 1000+ tags per second, with a removable 5200 mAh battery and IP54 sealing for patrol and yard work.

Technical specifications

Form factor	Bluetooth sled reader
RFID module	Self-developed UHF module on Impinj E-series, Gen2X
Air interface	EPC C1 Gen2 / ISO 18000-6C
Read range	Over 26 m (Impinj M830 tag, outdoors)
Read speed	1000+ tags/second
Output power	1-30 dBm adjustable in 1 dB steps
Frequency	FCC 902-928 MHz; EU 865.6-867.6 MHz; China 920.5-924.5 MHz
Barcode	Optional barcode scanning
Battery	5200 mAh removable Li-ion, approx. 2.5 h continuous
Connectivity	Bluetooth Low Energy 5.0 (Android and iOS SDK)
Sealing	IP54
Drop spec	Multiple 1.5 m drops to concrete
Operating temperature	-20 °C to 50 °C
Dimensions	151 x 76 x 132 mm
Weight	438 g with battery

Common uses

- Utility and power patrol inspection
- Apparel cycle counting
- Warehouse and yard asset checks
- Fleet management

Use case: Field patrol inspection

