

AI-RF-BT-R6 RFID Sled Reader



R6

UHF RFID Sled Reader



Bluetooth



1D Barcode



2D Barcode



UHF

AI-RF-BT-R6 RFID Sled Reader, R6 features powerful UHF reading and writing (Impinj R2000 chip), and barcode scanning with high sensitivity. You can attach mobile phone to R6 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.



Sled Reader



Sled Reader with
Mobile Case



Sled Reader with
Customized Holder

Specification

Physical Characteristics	
Dimensions	143x76x140mm / 5.63x2.99x5.51in
Weight	Sled Reader: 483g/17.04oz
	Sled Reader with Mobile Case: 453g/15.98oz
	Sled Reader with Customized Holder: 500g/17.64oz
Colour	Black
Power	Battery specification: 5200mAh
	Standby: over 70 hours (keeping bluetooth connected)
	Continuous use: up to 6 hours (UHF reading)
	Charging time: 3-4 hours (with standard adaptor and USB cable)
Interfaces	USB3.0 Type-C
Buzzer	Support
Indicator LED	Power, Work, Bluetooth
Product material	Plastic
Size of adapted phone	Sled Reader: Width 68~80 mm, thickness ≤ 22 mm
	Others: Based on phone case or holder
Performance	
MCU	Cortex-M3
	72MHz
User Environment	
Operating Temp.	-20°C~+50°C
Storage Temp.	-40°C~+70°C
Humidity	5%RH - 95%RH non condensing
Tumble Specification	1000 x 0.5m/1.64ft falls at room temperature
Drop Specification	Multiple 1.5m/4.9ft drops to concrete across the operating temperature range
Sealing	IP54 per IEC sealing specifications
ESD	±15KV air discharge, ±8KV conductive discharge
Developing Environment	
SDK	Android / IOS
Tool	Android Studio / Xcode
Language	Java / Objective-C

Communication	
Bluetooth	Bluetooth 4.0, BLE
Data Collection	
UHF	
Engine	CM2000-1 module based on Impinj Indy R2000
Antenna parameter	Circular Polarized Antenna (3dBic)
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.)
R/W range	>22m(indoors); >10m(open outdoors, Impinj MR6 tag)
Fastest Read Rate	900+ tags/sec
*Ranges and rates depend on tags and environment	
Barcode Scanning (Optional)	
2D Imager Scanner	SE2707
1D Symbolologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
2D Symbolologies	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