

R6

UHF RFID Sled Reader

Bluetooth | Barcode 1D | Barcode 2D | UHF

The R6 RFID Sled reader offers powerful UHF read/write capabilities driven by the Impinj E710 / R2000 chip, plus highly sensitive barcode scanning. You can attach a mobile phone to the R6 UHF Sled for a complete, all-in-one solution. The device is widely used for power line patrol inspection, asset tracking, apparel inventory, warehouse management, vehicle management, financial management and more.







GL Retail & Investments LLC
20801 Biscayne Blvd, Suite 403, Aventura, FL 33180, USA
Phone: +1 (786) 537-3615
david@glretail.us
glretail.us

Specifications

Physical Characteristics

Dimensions	151 x 76 x 132 mm / 5.94 x 2.99 x 5.19 in
Weight	Sled reader: 438 g / 15.45 oz
Color	Black
Battery	Battery: 5200 mAh removable battery
	Standby: 70+ hours (Bluetooth connection kept) Continuous use: up to 2.5 hours (UHF reading: 400 tags)
	Charging time: 4-5 hours (with standard adapter and USB cable)
Interfaces	USB: 3.0 Type-C
Notifications	Supported
LED Indicators	Power, Working, Bluetooth
Material	Plastic
Holder Size	Sled reader: width 68~80 mm, thickness: up to 22 mm Others: depends on the phone case or holder

Performance

MCU	Cortex-M3
	72MHz

User Environment

Operating Temp.	-4°F to 122°F / -20°C to 50°C
Storage Temp.	-40°F to 158°F / -40°C to 70°C
Humidity	5%RH - 95%RH non-condensing
Tumble	1000 x 0.5 m / 1.64 ft tumbles at room temperature
Drops	Multiple 1.5 m / 4.92 ft drops to concrete across the operating temperature range
Sealing	IP54 per IEC sealing specifications
ESD	±15 KV air discharge, ±8 KV conductive discharge

Development Environment

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

Communication

Bluetooth	Bluetooth Low Energy (BLE) 5.0

Data Collection

UHF

Engine	CM710-1 module based on Impinj E710 CM2000-1 based on Impinj Indy R2000
Antenna	Circular Polarized Antenna (4dBic)
Frequency	920-925 MHz / 902-928 MHz / 865-868 MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Output Power	1W (30dBm, adjustable from +5~+30dBm)
	2W Optional (33dBm, for Latin America, etc.)
Max. Read Range	Impinj E710 chip: 30 m (Impinj MR6 tag, size 70 x 15 mm) 28 m (Impinj M750 tag, size 70 x 15 mm) 31 m (Alien H3 Anti-Metal tag, size 130 x 42 mm) Impinj R2000 chip 25 m (Impinj MR6 tag, size 70 x 15 mm) 26 m (Impinj M750 tag, size 70 x 15 mm) 25 m (Alien H3 Anti-Metal tag, size 130 x 42 mm)
Fastest Read	1300+ tags/second

*Ranges are measured outdoors in open areas with low interference, and the rate is measured in a lab environment with low interference; both are affected by the tags and the environment.

Barcode Scanning (Optional)

2D Scanner	SE2707
1D Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS,etc.
2D Symbologies	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 the Accessories Guide for details)



AC Adapter



USB Cable

GL Retail & Investments LLC
20801 Biscayne Blvd, Suite 403, Aventura, FL 33180, USA
Phone: +1 (786) 537-3615
david@glretail.us
glretail.us