capture solutions

CS-U909

UHF RFID Sled Reader

Bluetooth enabled
1D/2D Barcode & QR Code reader
5200 mAH Battery
USB Type C

Compatible with

secucapture
weightcapture
inventorycapture
qccapture
logicapture

Integrated with Capture Manager (MDM)

Bluetooth
1D Barcode
2D Barcode
UHF

RFID Sled Reader HC-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

AC Adapter

USB cable

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℃~+50℃
Storage Temp.	-40℃~+70℃
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 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.

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