

R2

UHF Swing Reader



R2 is a newly-developed handheld data collection device with stylish design and incredible performance. It delivers superior UHF reading and writing, barcode scanning, transmits data to the data center via Bluetooth with ease. It can complete tasks in inventory management, asset management, and inspection etc.



RFID UHF



1D/2D



BLUETOOTH



USB



R2 Specifications

Physical Characteristics

Dimensions	182*117*32mm
Weight	334g
Power	Battery specification: 5200 mAh removable battery 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)
Communication	Bluetooth 4.0, BLE
Interfaces	USB 3.0 Type-C
Indicators	Power Led, Activity LED, Bluetooth LED, Buzzer
Display	1.77 inch, 128 x 160

Performance

CPU	Cortex M3
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Developing Environment

SDK	Android and IOS
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Communication

Bluetooth	Bluetooth 4.0 BLE
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User Environment

Operating Temp.	-20 °C to 50 °C
Storage Temp.	-40 °C to 70 °C
Humidity	5%RH - 95%RH non condensing
Drop Specification	Multiple 1.5m drops to the concrete across the operating temperature range
Sealing	IP54 per IEC sealing specifications
ESD	15KV air discharge, ±8KV conductive discharge

RFID UHF

Engine	CM710-1 module based on Impinj E710 CM2000-1 module based on Impinj Indy R2000
Frequency	865MHz-868MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Power	1W (30dBm, support +5-+30dBm adjustable) 2W Optional (33dBm, for Latin America, etc.)
Antenna	Linear Polarized antenna (4dBi)
Read/Write Range	Up to 10m (open outdoors)

(*) Read/write Range and Reading Rates depend on tags and environments. Tested with Impinj MR6 tag

Barcode Scanning (Optional)

2D Scan Engine	Zebra SE2707
1D Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Codabar, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, 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.

TechSigno srl is an independent company that build RFID system and intelligent objects for multimedia, industrial, transportation, medical, and wireless applications. Working closely with our customers, we meet the specific made-to-order demands of our customer to achieve maximum functionality, efficiency, reliability and therefore satisfaction.

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