

# SRD IOT Smart UHF Integrated RFID Reader



**SRD IOT** is a new designed masterpiece – IOT smart UHF integrated RFID reader, which running with Impinj INDY R2000/E710 high performance RFID chip, and operated on Android 9.0 operation system. Support the extension of an external antenna..

4GB RAM and 64G ROM capacity. Built-in WiFi, Bluetooth, 4G and other wireless communication functions, with RJ45, RS485 and I/O communication interfaces, and POE optional.

## Features

- Powered by Impinj R2000/E710 chipset for maximum tag detection performance.
- Android OS based open development environment
- Support web management platform
- Support MQTT provides real-time, reliable messaging services for connecting cloud servers
- Support HTTP POST communication to send the tag data to the web URL directly
- Support to send the tag data to the specified database directly
- Kinds of communication interfaces: RJ45, RS485, Wiegand, USB , Bluetooth , 4G
- Support RSSI, antenna detection, online update
- RSSI & speed filters

## Specifications

|                            |  |
|----------------------------|--|
| Processor Memory Operating | MT6765, Octa-Core 2.3Ghz   |
| System: Firmware Upgrade   | Flash 64GB; DRAM 4GB<br>Android 9.0  |
| API Support                | Demo software / Web<br>Windows platform– .Net / .Net core / C++ / Java SDK<br>Android platform - Java<br>Linux platform – Java SDK |

## PHYSICAL CHARACTERISTICS

|                          |  |
|--------------------------|--|
| Dimensions               | 276mmx276mmx70mm   |
| Weight                   | About 1.76kg (net weight)                                      |
| Housing Material         | Die-cast aluminum  |
| Visual Status Indicators | Power/Status, Ant 1-2, WiFi, 4G, Bluetooth, hidden light strip |

## RFID CHARACTERISTICS

|                    |  |
|--------------------|--|
| Air Protocols      | ISO/IEC18000-6B, 6C / EPC C1Gen2 <b>C2GEN2 optional</b>  |
| Frequency          | CHN : 920MHz ~ 925MHz (CMII)<br>USA: 902 MHz-928MHz (FCC part 15)<br>EU: 865-868MHz (ETSI EN 302208) |
| Built-in antenna   | Circular 9dBi, VSWR ≤ 1.2:1  |
| Output Power:      | 0dBm-35dBm (±1dBm) adjustable  |
| Channel bandwidth: | < 200KHz   |
| Anti-collision     | Support multi-tag / intensive inventory  |
| Work Mode:         | Fixed/hop frequency optional   |

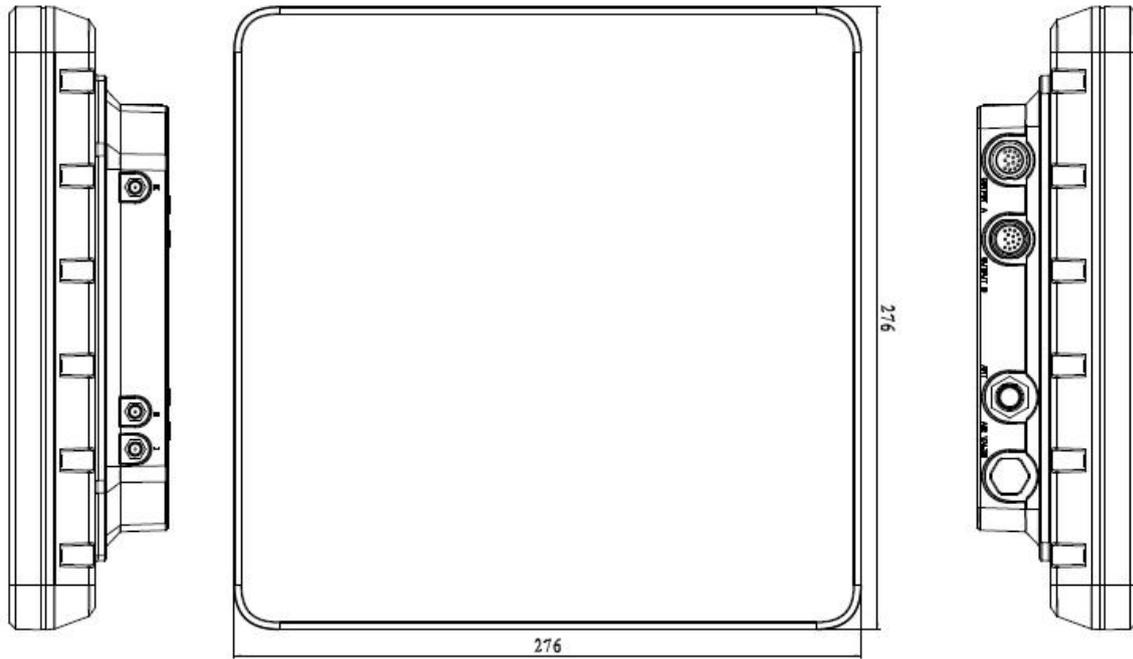
## CONNECTIVITY

|                     |   |
|---------------------|---|
| Communications      | RJ45, RS-485, Wiegand 26/34/66<br>WiFi : 802.11 a/b/g/n/ac<br>4G LTE-FDD: B1/B2/B3/B5/B7/B8/B20(B17)/B28<br>LTE-TDD: B34/B38/B39/B40/B41<br>3G WCDMA: B1/B2/B5/B8<br>TD-SCDMA: B34/B39<br>2G GSM: B2/B3/B5/B8<br>EVDO/CDMA: BC0<br>Bluetooth : BT v2.1+EDR , 3.0+HS,v4.1+HS |
| General Purpose I/O | 2 inputs(DC 0~24V), 2 relay outputs(DC_MAX:30V,2A;<br>AC_MAX:125V,0.3A), optically isolated   |
| Power supply        | DC 24V/2.5A (DC 9V ~ 30V,60W) or POE(IEEE 802.3 at/bt)  |
| Antenna Ports       | 1 Reverse Polarity TNC port; circular or linear polarization; near<br>and far field compatible  |

## ENVIRONMENTAL

|                 |                               |
|-----------------|-------------------------------|
| Operating Temp. | -20 - +70°C                   |
| Storage Temp.   | -40 - +85°C                   |
| Humidity        | 10-95% non-condensing (+25°C) |
| Sealing         | IP67                          |

## Outline Dimensions



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