# ISO/IEC 15693 Protocol HF Tag Reader



**Model: RR9037USB**

**Size: 115mmx82mmx25mm**

**Weight: 88g**



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## GENERAL DESCRIPTION

RR9037USB is a high performance ISO/IEC15693 protocol HF tag reader. It is designed upon fully self-intellectual property and supports fast tag read/write operation with high identification rate. It can be widely applied in many RFID application systems such as logistics, personnel identification, conference attendance system, access control, anti-counterfeit and industrial production process control system.

## FEATURES

- Self-intellectual property;
- Support mainstream ISO/IEC15693 protocol tag (TI, PHILIPS, ST, INFINEON, FUJITSU, EM…);
- Advanced tag processing algorithm,high identification rate;
- Built-in TX/RX antenna with effective distance up to 150mm *;
- Low power dissipation design;
- Support Scan-mode①;
- USB 1.1 interface. No external power source needed;
- Provide DLL and demonstration software to facilitate development.

*①Scan-mode: It refers to reader's automatic working mode.*

## CHARACTERISTICS

- Absolute Maximum Rating

| ITEM | SYMBOL | VALUE | UNIT |
|---|---|---|---|
| Power Supply | VCC | 5 | V |
| Operating Temp. | $T_{OPR}$ | -10~+60 | ℃ |
| Storage Temp. | $T_{STR}$ | -25~+80 | ℃ |

- Electrical and Mechanical Specification

  Under $T_A$＝25℃， VCC＝+5V unless specified

| ITEM | SYMBOL | MIN | TYP | MAX | UNIT |
|---|---|---|---|---|---|
| Power Supply | VCC | 3.3 | 5 | 5.5 | V |
| Current Dissipation | $I_C$ | | 90 | 150 | mA |
| Frequency | $F_{REQ}$ | | 13.56 | | MHz |
| Effective Distance* | DIS | 0 | 100 | 150 | mm |

**Effective distance depends on tag and working environment.*

*Remark:*

*1. Specifications are subject to change, please pay attention to our latest one.*

*2. Shenzhen RoyalRay Science and Technology Co., Ltd. reserves the right to the final interpretation of the above terms.*



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