

# Multi-Protocol HF Tag Reader



**Model: RR3036SR-B**

**Size: 122mmx87mmx23mm**

**Weight: 111g**

## GENERAL DESCRIPTION

RR3036SR-B is a high performance Multi-Protocol HF tag reader supporting ISO/IEC15693, ISO14443TypeA/TypeB. 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, ISO14443TypeA/TypeB 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 \*;
- Support RS232 interface;
- Low power dissipation design with single DC+12V power source needed;
- Provide DLL and demonstration software to facilitate development.

## CHARACTERISTICS

- Absolute Maximum Rating

| ITEM            | SYMBOL           | VALUE   | UNIT |
|-----------------|------------------|---------|------|
| Power Supply    | VCC              | 12      | V    |
| Operating Temp. | T <sub>OPR</sub> | -10~+60 | °C   |
| Storage Temp.   | T <sub>STR</sub> | -25~+80 | °C   |

- Electrical and Mechanical Specification

Under T<sub>A</sub>=25°C, VCC=+12V unless specified

| ITEM                | SYMBOL           | MIN  | TYP   | MAX | UNIT |
|---------------------|------------------|------|-------|-----|------|
| Power Supply        | VCC              | 11.5 | 12    | 15  | V    |
| Current Dissipation | I <sub>C</sub>   |      | 90    | 150 | mA   |
| Frequency           | F <sub>REQ</sub> |      | 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.