

## HF Multi-Protocol Tag Reader



HF  
Reader

Model : SID-H736-USB-L

Size : 105mmx70mmx11mm

Weight : 80g

## GENERAL DESCRIPTION

SID-H736-USB-L is a high performance HF Multi-Protocol tag reader supporting ISO/IEC15693, ISO14443TypeA/TypeB protocol. 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, FUJITSU, ST, INFINEON, EM...);
- Advanced tag processing algorithm, high identification rate;
- Built-in TX/RX antenna with effective distance up to 150mm<sup>\*</sup>;
- Low power dissipation design;
- Support Transparent Command operation<sup>①</sup>;
- USB 1.1 interface. No external power source needed;
- Provide DLL and demonstration software to facilitate development.

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

*①Transparent Command Operation: It is an advanced feature designed to support tag's future functions and different chip vendors' customized tag functions.*

## C H A R A C T E R I S T I C S

- **Absolute Maximum Rating**

| ITEM            | SYMBOL           | VALUE   | UNIT |
|-----------------|------------------|---------|------|
| Power Supply    | VCC              | 5       | 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=+5V unless specified

| ITEM                | SYMBOL           | MIN | TYP   | MAX | UNIT |
|---------------------|------------------|-----|-------|-----|------|
| Power Supply        | VCC              | 3.3 | 5     | 5.5 | 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. Smart Identify Co., Ltd. reserves the right to the final interpretation of the above terms.