ZS-R708

Fixed Eight-Port UHF RFID Reader

Shenzhen Zhishun Information Technology Co., Ltd.



Model: ZS-R708 | Protocol: ISO 18000-6C/E1G2 | Port Power: 0~33 dBm

0~33 dBm Power	SMA Interface	400 reads/s Fast Reading	Multi-Protocol Support

1. Basic Parameters

Model	ZS-R708
Product Name	Fixed Eight-Port UHF RFID Reader
Color	Black
Overall Dimensions	224 × 117.2 × 33 mm
Net Weight	900 g
Housing Material	Metal

2. RF Performance Parameters

Frequency Range	920–925 MHz; 902–928 MHz; 865–868 MHz
Air Interface Protocol	ISO 18000-6C / E1G2; supports GB/T 29768 and GJB 7377.1 protocols (customization required)
Port Output Power	33dBm ± 1 dB (MAX)
Maximum Receive Sensitivity	−85dBm
Frequency Hopping Mode	Wide-spectrum frequency hopping (FHSS) or fixed frequency, software configurable

3. Read/Write Performance

Continuous Tag Read Distance	0~20m, >95% success rate over 100 consecutive reads (interference-free environment) (tested with an 8dB antenna)
Continuous Tag Write Distance	0~7m, > 90% success rate over 100 consecutive writes (tested with an 8dB antenna)
Tag Read Rate	400times/s
Multi-Tag Processing Capability	600tags/3 s

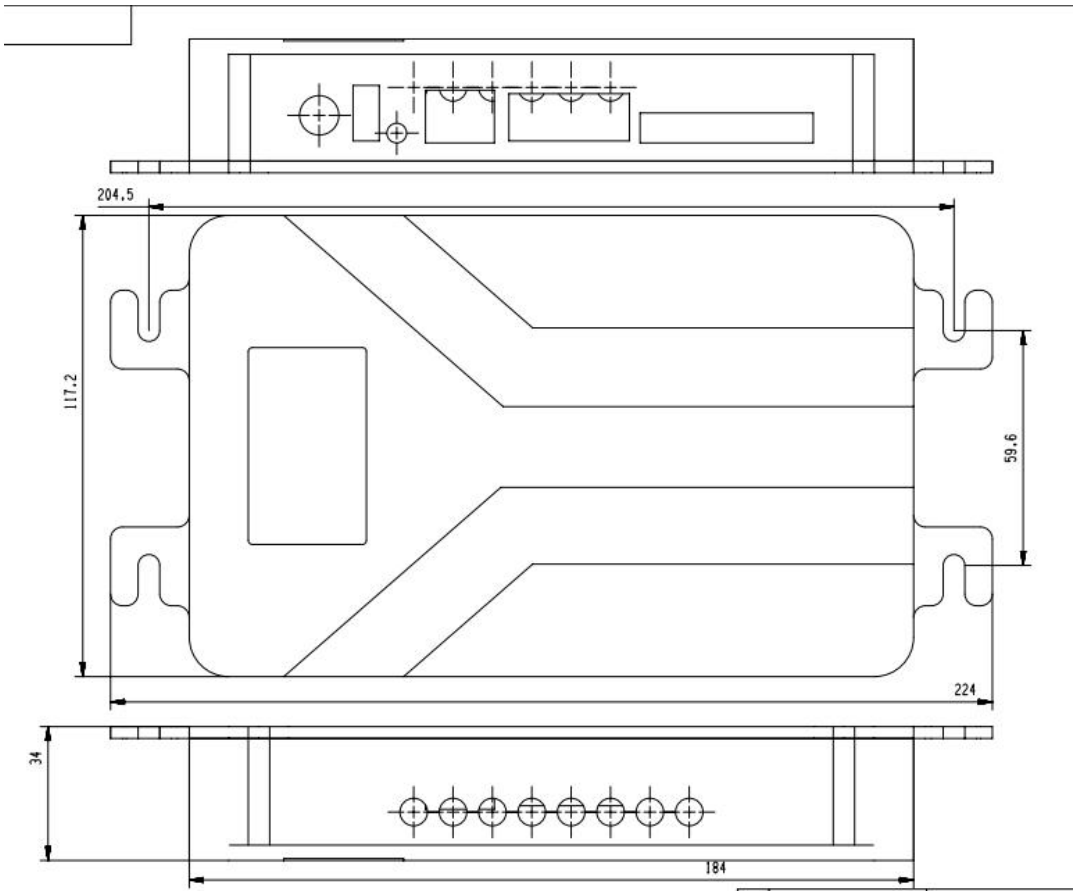
4. Interfaces and Communication

Communication Interface	RS232,RS485,RJ45 (Ethernet), optional Wi-Fi+BT
RS-232 Communication Rate	Baud rate: 9600/19200/115200 (default) / 460800, selectable
Ethernet Port Rate	10M/100M auto-negotiation
GPIO	2 optocoupler inputs+2 relay outputs (DC 30V/1A, AC 125V/0.75A)
Operating Status Indication	Buzzer

◆ 5. Electrical Parameters

Operating Voltage	DC 9 ~ 24 V

◆ 6. Product Dimensions and Packing List



Standard Accessories	Main unit × 1, power adapter × 1, certificate of conformity × 1

◆ 7. Interface Wiring Description

▸ Terminal Interface

Pin No.	Pin Definition	Description
1	OUT_R1	Relay 1 output R terminal control signal
2	OUT_L1	Relay 1 output L terminal control signal
3	OUT_R2	Relay 2 output R terminal control signal
4	OUT_L2	Relay 2 output L terminal control signal
5	INPUT_1	Optocoupler 1 input control signal
6	INPUT_2	Optocoupler 2 input control signal

7	IO_GND	Negative terminal of I/O input control signal power supply
8	RS485A	RS485 signal A
9	RS485B	RS485 signal B
10	GND	Negative power terminal (GND)
11	WIG0	Wiegand output signal 0 (customization required)
12	WIG1	Wiegand output signal 1 (customization required)

◆ 8. Technical Support and Development

SDK Development Kit	API development kit provided, supporting C#, C++, Java, Python, Swift, Android and other languages
Free Upgrade	Free product software upgrades, with free training for different application scenarios