ZS-R704

Fixed Four-Port UHF RFID Reader

Shenzhen Zhishun Information Technology Co., Ltd.



Model: ZS-R704 | 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-R704
Product Name	Fixed Four-Port UHF RFID Reader
Color	Black
Overall Dimensions	224 × 117.2 × 33 mm
Net Weight	850 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 / EIG2; supports GB/T 29768 and GJB 7377.1 protocols (customization required)
Port Output Power	33 dBm ± 1 dB (MAX)
Maximum Receive Sensitivity	-85 dBm
Frequency Hopping Mode	Wide-spectrum frequency hopping (FHSS) or fixed frequency, software configurable

3. Read/Write Performance

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

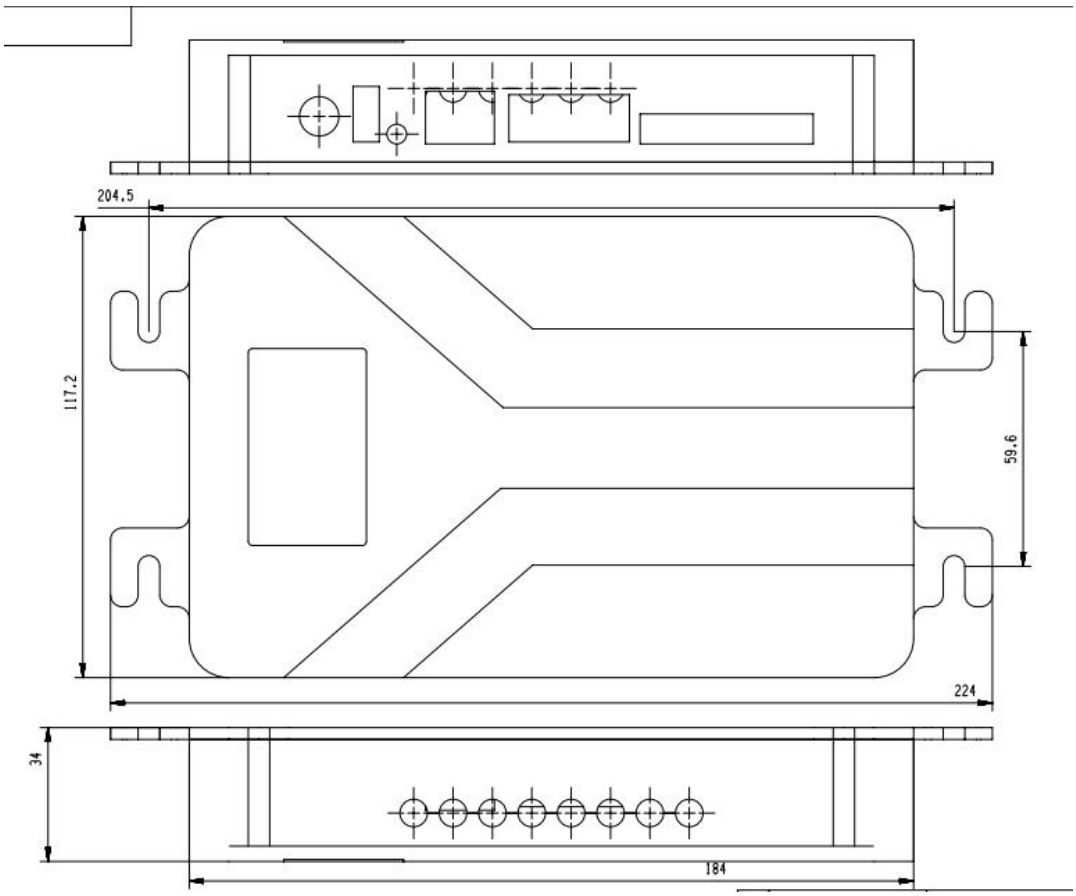
4. Interfaces and Communication

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 30 V/1 A, AC 125 V/0.75 A)
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