ZS-T214

Four-Port UHF RFID Fixed Reader



Model：ZS-T214 | Protocol：ISO 18000-6C/E1G2 | Port Power：0~33dBm

0~33 dBm Power	SMA Connector	400 tags/s Fast Reading	Multi-Protocol Support

◆ I. Basic Parameters

Model	ZS-T214
Product Name	Four-Port Reader
Color	Black
Overall Dimensions	200×160×35mm
Net Weight	1kg
Housing Material	Sheet Metal

◆ II. RF Performance Parameters

Frequency Range	920-925MHz; 902-928MHz; 865-868MHz
Air Interface Protocol	ISO 18000-6C/E1G2, supports GB/T 29768 and GJB 7377.1 protocols (customized)
Port Output Power	33dBm ± 1 dB (MAX)
Max. Receive Sensitivity	-85dBm
Frequency Modulation	Frequency Hopping Spread Spectrum (FHSS) or fixed frequency, software configurable

◆ III. Read/Write Performance

Continuous Read Range	0~20m, success rate>95% on 100 consecutive reads (interference-free environment, tested with 8dBi antenna)
Continuous Write Range	0 ~ 7m, success rate>90% on 100 consecutive writes (tested with 8dBi antenna)
Read Rate	400 tags/sec
Multi-Tag Handling Capability	600 tags/3sec

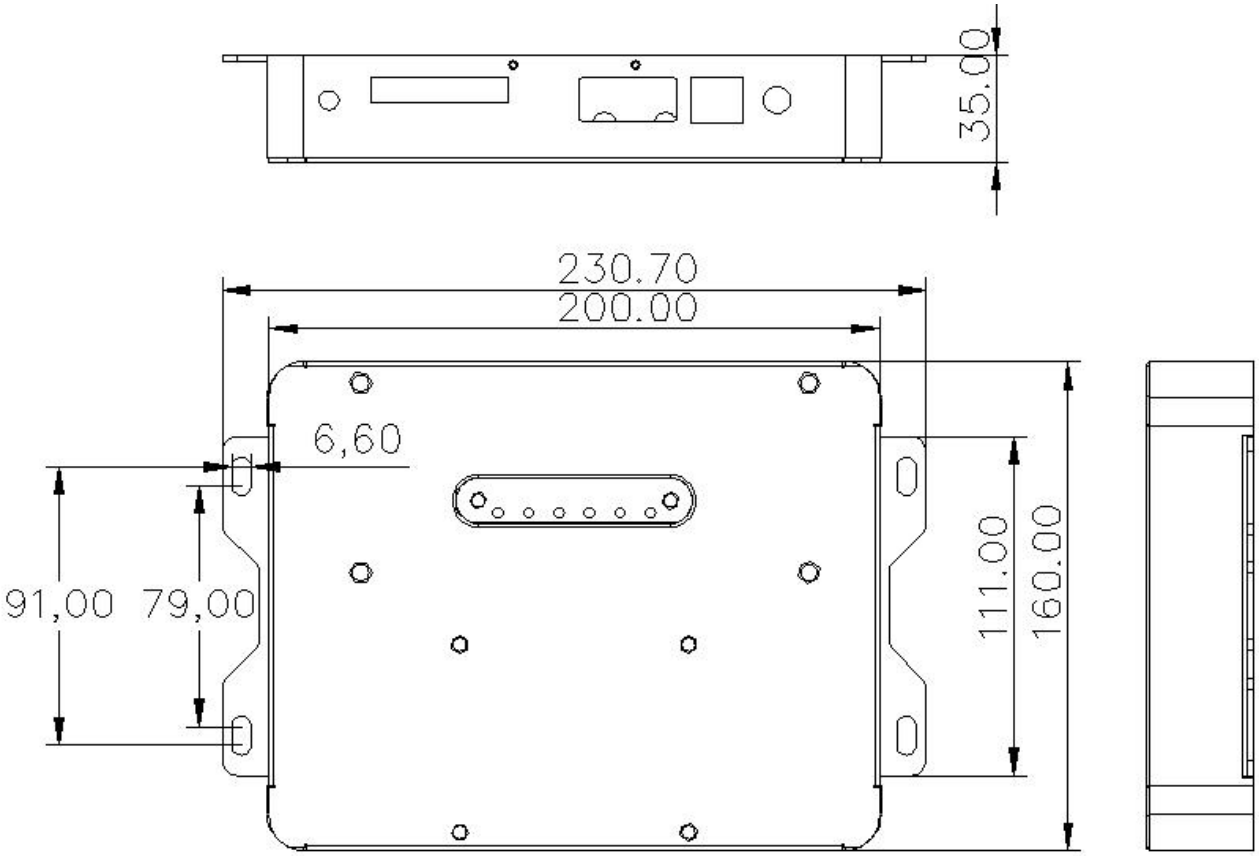
◆ IV. Interfaces and Communication

Communication Interfaces	RS232,RS485,RJ45(Ethernet),WiFi(Bluetooth optional)
RS-232 Baud Rate	Baud rates:9600/19200/115200(default)/460800 (optional)
Ethernet Speed	10M / 100M auto-negotiation
GPIO	2 opto-isolated inputs+3 relay outputs (DC 30V/1A, AC 125V/0.75A)
Operating Status Indicator	Buzzer and indicator LEDs

◆ V. Electrical Parameters

Operating Voltage	DC9 ~ 24V

◆ VI. Product Dimensions and Packing List



Standard Accessories	Reader ×1, Power Adapter ×1, Certificate of Conformity ×1

◆ VII. Interface Wiring

▸ Terminal Interface

Pin No.	Pin Definition	Description
1	IO_GND	Opto-isolated external signal input (negative)
2	IO_IN2	Opto-isolated input 2 (positive)
3	IO_IN1	Opto-isolated input 1 (positive)
4	GND	Ground (negative)
5	RS485-A	RS485-A signal
6	RS485-B	RS485-B signal

7	OUT_L3	Relay 3 output L terminal control signal
8	OUT_R3	Relay 3 output R terminal control signal
9	OUT_L2	Relay 2 output L terminal control signal
10	OUT_R2	Relay 2 output R terminal control signal
11	OUT_L1	Relay 1 output L terminal control signal
12	OUT_R1	Relay 1 output R terminal control signal

▸ LED Indicator Interface

Pin No.	Pin Definition	Description
1	RUN	Operating indicator
2	ERROR	Error indicator
3	WIFI	WiFi/BT indicator
4	ANT	Working indicator
5	SIGNAL	Tag-detected indicator
6	POWER	Power indicator

◆ VIII. Technical Support and Development

SDK Development Kit	API development kit provided, supporting C#, C++, Java, Python, Swift, Android and more
Free Upgrade	Free software upgrades and free scenario-based training

◆ IX. Service and Warranty

Warranty Period	1 year from the date of purchase. Free warranty applies under normal use without unauthorized disassembly.
Free Upgrade	Lifetime free software upgrades
Out of Warranty	Beyond warranty period, damage caused by misuse, or damage caused by shipping vibration
Without Warranty Card	Charged at our discretion on a case-by-case basis