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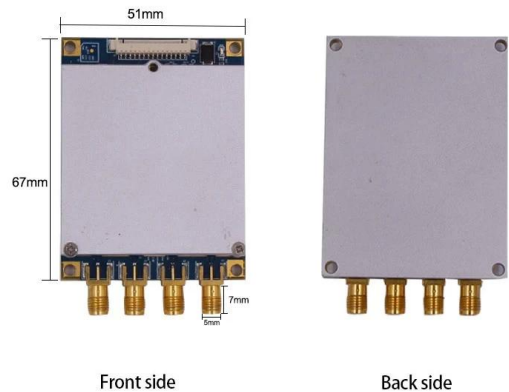


Product technical parameter

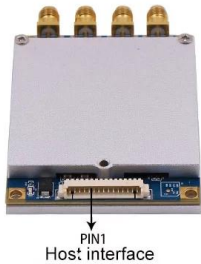
|                       |                                                                           |
|-----------------------|---------------------------------------------------------------------------|
| Model number          |                                                                           |
| Frequency             | 860~868MHz(EU),920~928MHz(US)                                             |
| Protocol              | ISO 18000-6C/EPC C1G2                                                     |
| Antenna port          | Four                                                                      |
| RF power              | 19.5~30dBm(adjustable)                                                    |
| Read distance         | 1~15M (depends on antenna and tag)                                        |
| Interface             | TTL-RS232                                                                 |
| Connector for antenna | SMA                                                                       |
| Standby current       | Standby current <10mA                                                     |
| Working current       | 5V power supply, maximum emission 30dBm, working peak current about 780mA |
| Size                  | 67 × 51 × 10mm                                                            |
| Baud rate             | 115200bps                                                                 |
| Operating Voltage     | +3.6V ~ +5.5V                                                             |
| Operating temperature | -25℃ ~ +80℃                                                               |
| Storage temperature   | -35℃ ~ +85℃                                                               |

Detailed image

01 Module dimension

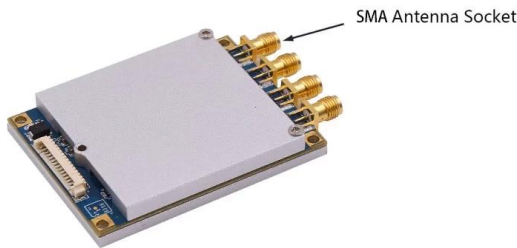


02 Socket Definition



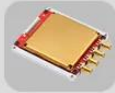
| Pin NO | Name | Function Description                         |
|--------|------|----------------------------------------------|
| 1      | VDD  | Power supply, power supply range: 3.6 ~ 5.5V |
| 2      | VDD  | pin1                                         |
| 3      | GND  | Ground                                       |
| 4      | GND  | pin3                                         |
| 5      | IO1  | GPIO 1                                       |
| 6      | IO2  | GPIO 2                                       |
| 7      | IO3  | GPIO 3                                       |
| 8      | RSTB | Module reset, active low                     |
| 9      | RXD  | UART receiving, 3.3V TTL level               |
| 10     | TXD  | UART transmission, 3.3V TTL level            |
| 11     | IO4  | GPIO 4                                       |
| 12     | EN   | Enable signal, active high                   |

03 Antenna connector:SMA





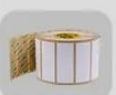
## SCENE APPLICATION



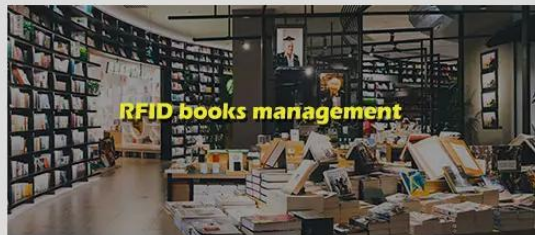
**RFID Unmanned Supermarket Management**



**RFID Vehicle Tracking Management**



**Trash Can management system**



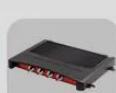
**RFID books management**



**Running race timing system**



**RFID laundry management**



**RFID Warehouse Inventory Management**

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uhf ACM812A ACM802A ACM818A ACM801A  
ACM801A 200





ACM812A

2-5m 26mm UHF RS232 / 485

ACM818A

10-20m 26mm UHF RS232 / 485

ACM802A

8-10m 26mm UHF RS232 / 485





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Q3

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Q4

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Q6

RFID / NFC / RFID / RFID RFID 1