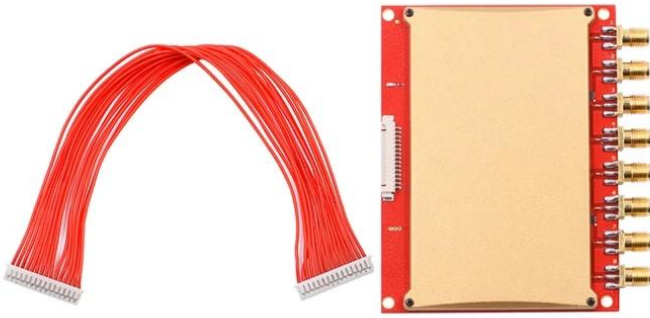


## Product technical parameter

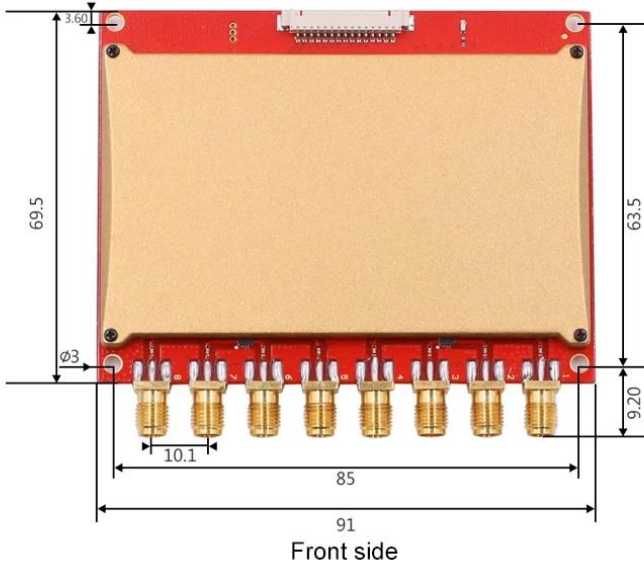
Model number	ACM - MU89M
Frequency	865~868MHz (EU),902~928MHz(US)
Protocol	ISO18000-6C (EPC GEN2)
RF power	33dbm (adjustable)
Current Dissipation	1500mA
Inventory speed	200pcs/s
Work mode	answer mode/real-time inventory mode
Read distance	0~15m(depends on antenna and tag)
Power supply	+3.7~5VDC (low power dissipation)
Interface	RS232 (3.3V TTL level)
Antenna ports qty	With eight antenna ports
Connector for antenna	SMA
GPIO	2 input and 2 outputs
Firmware upgrading	Support
Operation temperature	-20~+55℃
Storage temperature	-20~+85℃
Size	78.7*91*8.2mm
Weight	77g

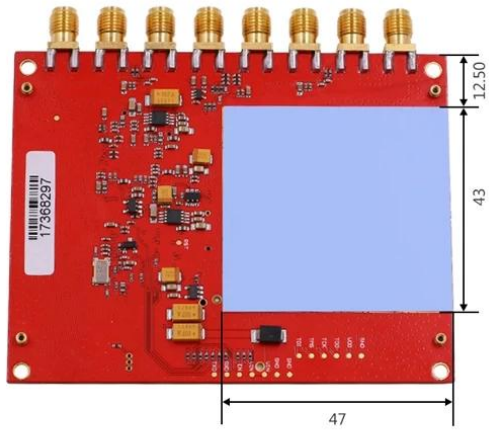
## Detailed image

01 Spare parts: 1pc module, 1pc wire cable

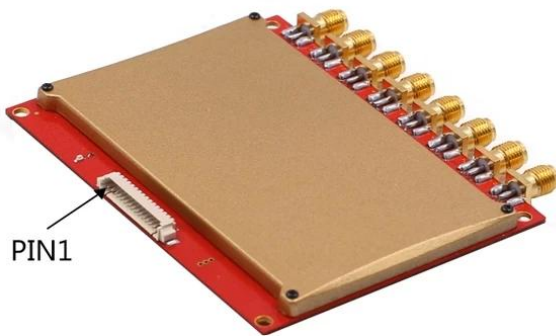


02 Module dimension



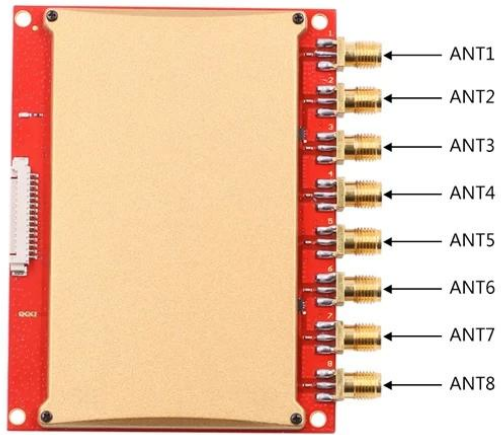


Back side



Host interface

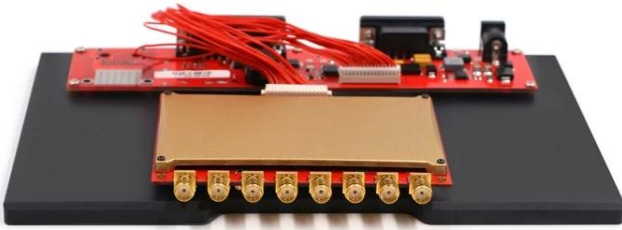
No.	Symbol	Comment
1	GND	Ground
2	GND	
3	VCC	Power Supply
4	VCC	
5	GPO1	General output (3.3V TTL level)
6	GPO2	
7	GPI1	General input (3.3V TTL level)
8	BUZZER	Buzzer driver output, high level effective. Current sourcing over
9	RXD	Serial data input
10	TXD	Serial data output
11	USB-DM	For test only
12	USB-DP	
13	GPI2	General input (3.3V TTL level)
14	EN	Enable. High level effective with internal 10kOhm resistor pulled up to VCC
15	RS485_CTRL	RS-485 direction control



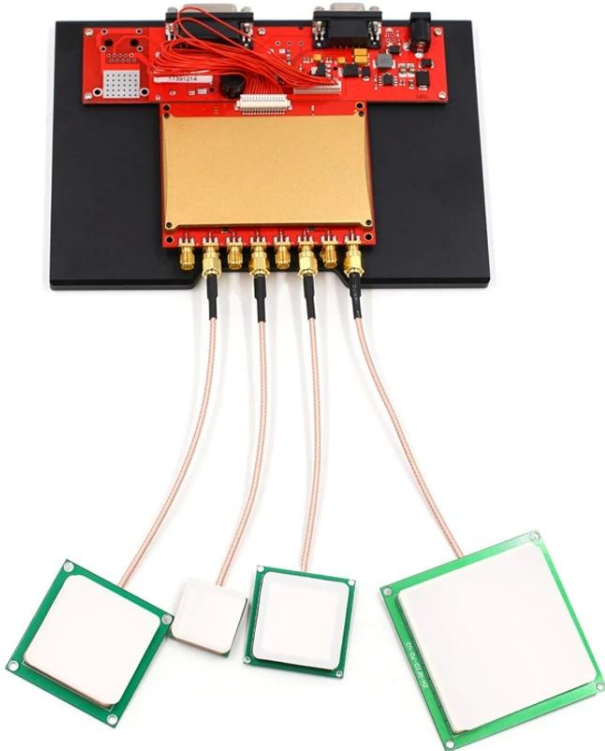
Antenna interface

## User manual

01 ▶ Module connect with interface board through wire cable



02 ▶ Module connect with antenna through SMA connector



03 ▶ Interface board connect with power supply, use RS232 serial port connect with computer for communication, our interface board also with GPIO connector for option.



## Relative products

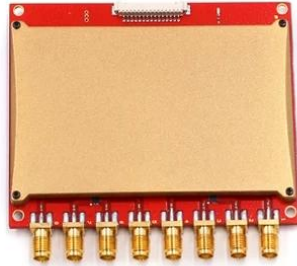
Our R2000 module have three model according different antenna port,there are one port,four ports,eight ports for option.



CF-MU801  
with one antenna port



CF-MU804  
with four antenna port



CF-MU808  
with eight antenna ports

5

uhf ACM812A ACM802A ACM818A ACM801A  
ACM801A 200





ACM812A  
2.5m UHF  
26 RS232 / 485

ACM818A  
10-20m UHF  
26 RS232 / 485

ACM802A  
8-10m UHF  
26 RS232 / 485





ACM801A  
10-15m UHF  
26 RS232 / 485

ACM 8017  
UHF  
UHF + WIFI + GRPS

ACM 918K  
UHF 4

### RFID

- 1 24
- 2
- 3 OEM / ODM
- 4
- 5
- 1
- 2
- 3 2-3
- 6 1 5 7 30
- 7 T / T

### RFID

Q1.  
A

Q2.  
A T / T Paypal  
DHL TNT UPS

Q3.  
A

Q4.  
A 5000pcs 3-7 100,000pcs 7-15

Q5.  
A OEM

Q6.  
RFID / NFC / RFID / RFID / RFID

