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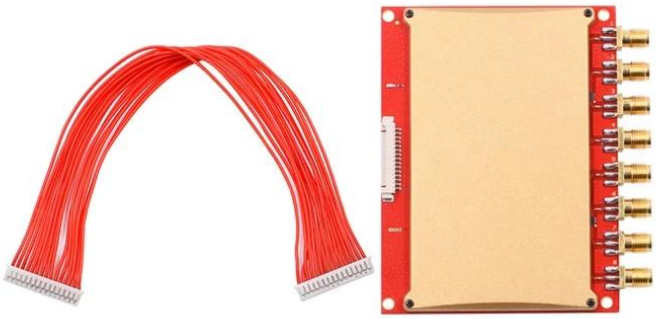
Product technical parameter

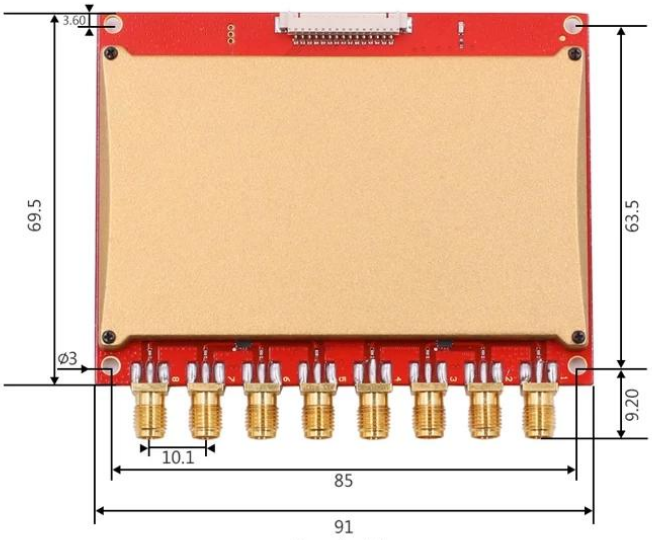
Model number	ACM - MU89M
Frequency	865~868MHz (EU),902~928MHz(US)
Protocol	ISO18000-6C (EPC GEN2)
RF power	33dbm (adjustable)
Current Dissipation	1500mA
Inventory speed	200pcs/s
Work mode	answer mode/real-time inventory mode
Read distance	0~15m(depends on antenna and tag)
Power supply	+3.7~5VDC (low 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

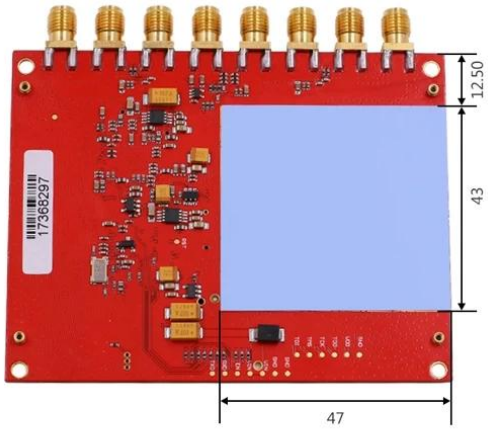
01 Spare parts:1pc module,1pc wire cable



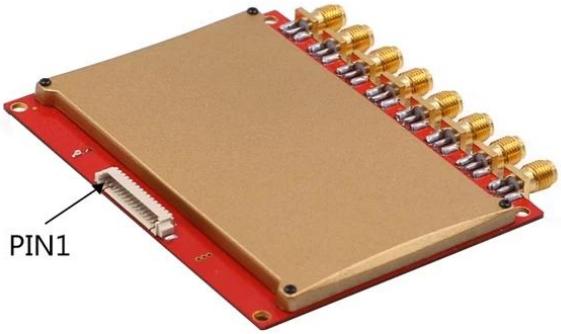
02 Module dimension



Front side

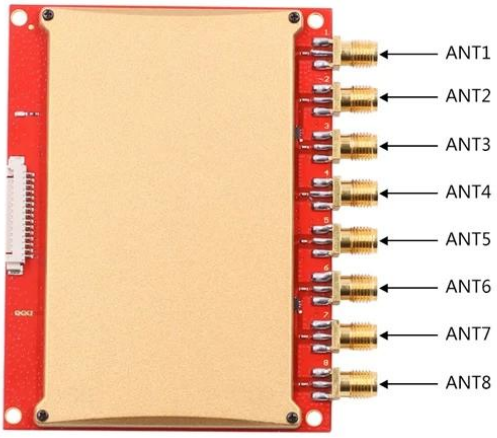


Back side



Host interface

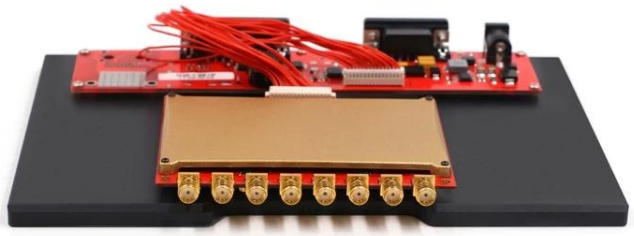
No.	Symbol	Comment
1	GND	Ground
2	GND	
3	VCC	Power Supply
4	VCC	
5	GPO1	General output (3.3V TTL level)
6	GPO2	
7	GPI1	General input (3.3V TTL level)
8	BUZZER	Buzzer driver output, high level effective. Current sourcing over
9	RXD	Serial data input
10	TXD	Serial data output
11	USB-DM	For test only
12	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



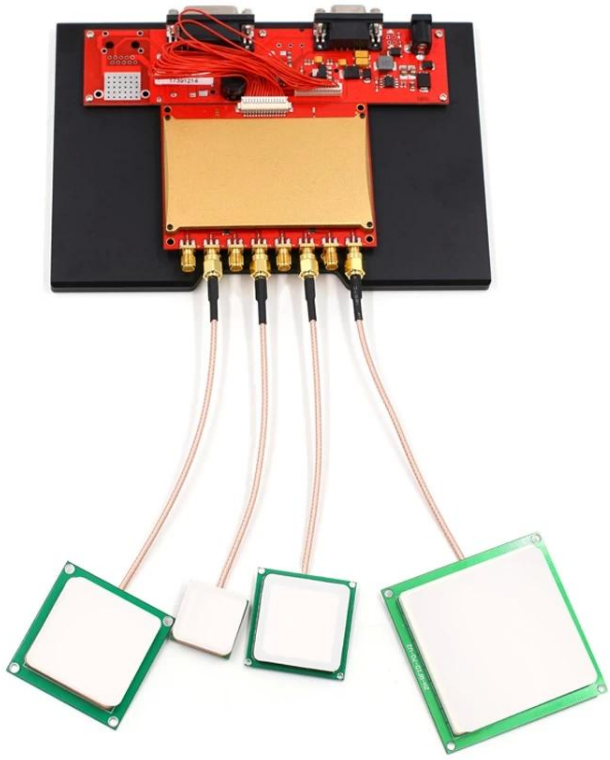
Antenna interface

User manual

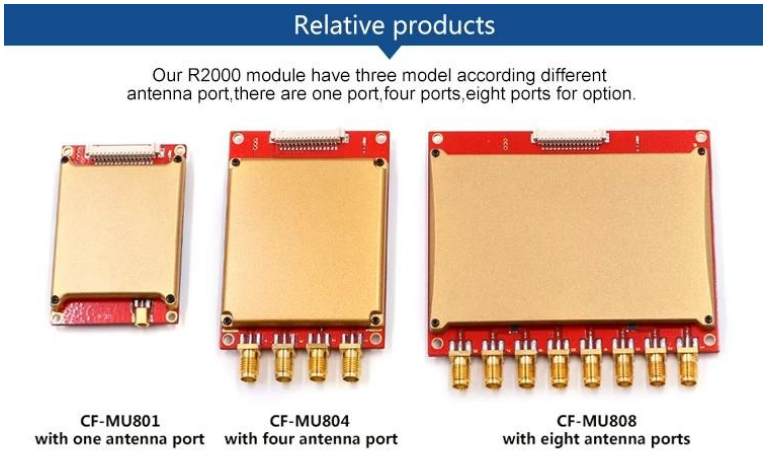
01 Module connect with interface board through wire cable



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.



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Wiegand 26 □□, RS232 / 485

ACM818A
10-20m □□□ UHF □□
Wiegand 26 □□, RS232 / 485

ACM802A
8-10m □□ □□ UHF □□
Wiegand 26 □□, RS232 / 485

F1
F2
F3
F4

ACM801A
10-15m UHF □□
Wiegand 26 □□, RS232 / 485

ACM 8017
UHF □□ □□ □□
UHF + WIFI + GRPS

ACM 918K
UHF 4 □□□ □□ □□□ □□ □□

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