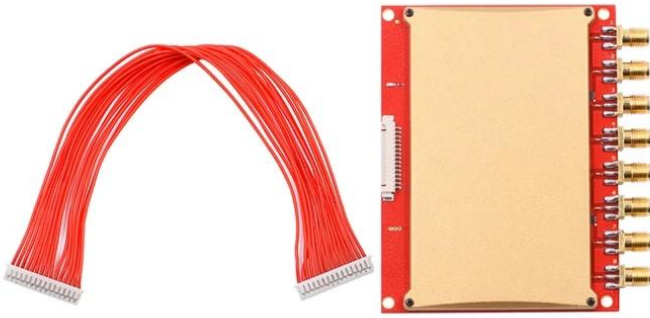


Product technical parameter

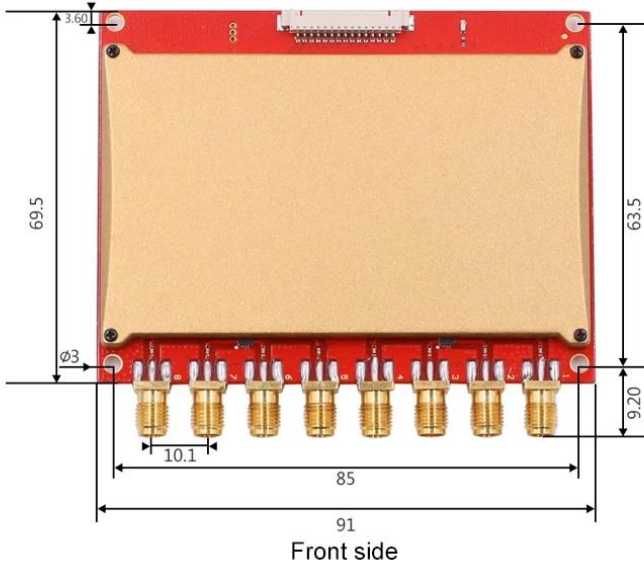
Model number	ACM - MU89M
Frequency	865~868MHz (EU),902~928MHz(US)
Protocol	ISO18000-6C (EPC GEN2)
RF power	33dbm (adjustable)
Current Dissipation	1500mA
Inventory speed	200pcs/s
Work mode	answer mode/real-time inventory mode
Read distance	0~15m(depends on antenna and tag)
Power supply	+3.7~5VDC (low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

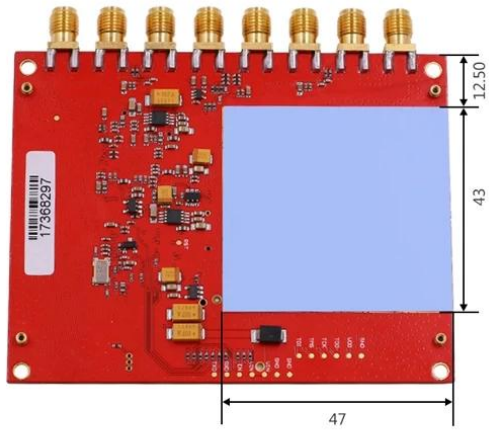
Detailed image

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

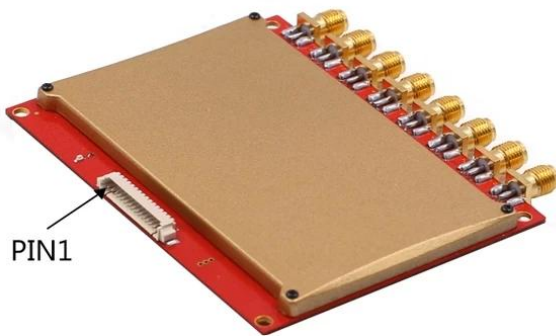


02 Module dimension



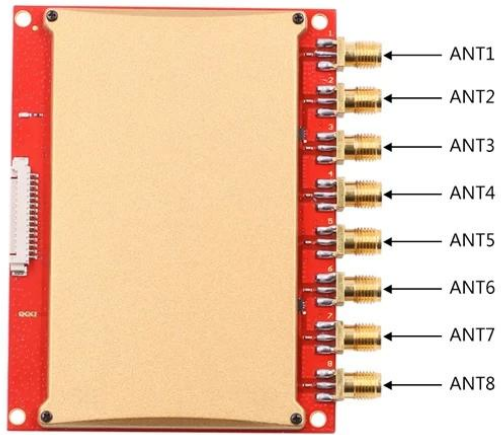


Back side



Host interface

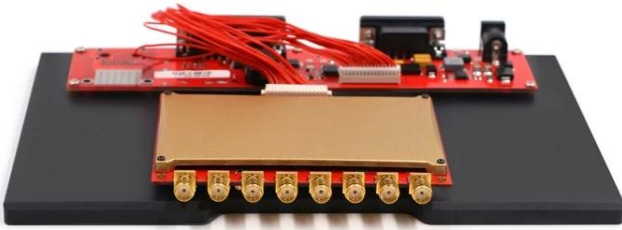
No.	Symbol	Comment
1	GND	Ground
2	GND	
3	VCC	Power Supply
4	VCC	
5	GPO1	General output (3.3V TTL level)
6	GPO2	
7	GPI1	General input (3.3V TTL level)
8	BUZZER	Buzzer driver output, high level effective. Current sourcing over
9	RXD	Serial data input
10	TXD	Serial data output
11	USB-DM	For test only
12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



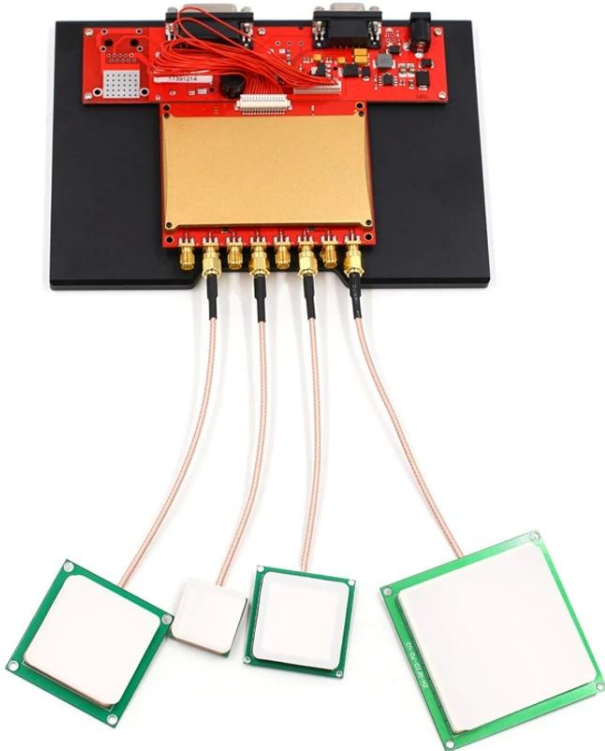
Antenna interface

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.





ACM812A
2-5m□□□□□□□□□□
□□26□□□RS232 / 485

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

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



