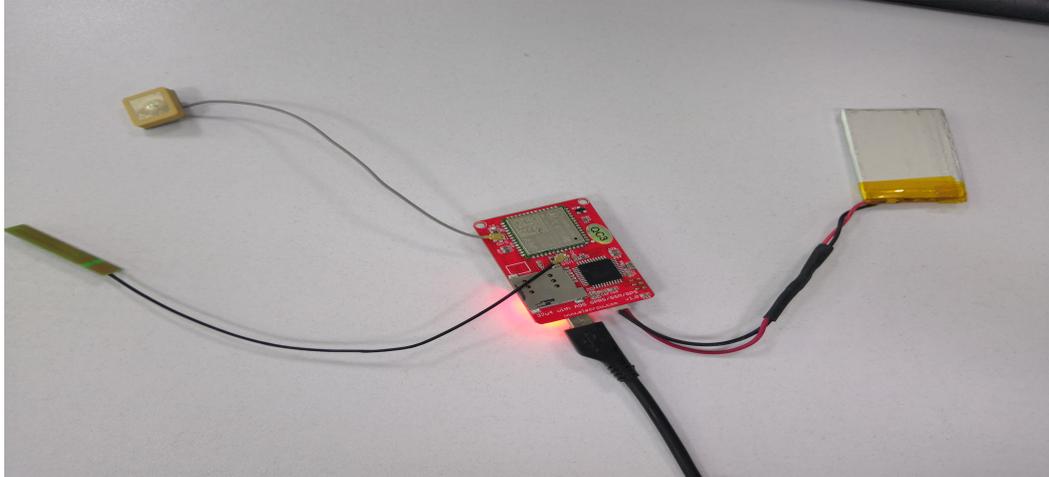


1: The battery socket needs to be connected to 3.7V lithium battery, connected to GSM and GPS antenna, and the SIM card slot is inserted into the SIM card slot. Connect the computer to the circuit board via micro USB, as shown in the figure below:



2: Download the “a9_serial_test.ino” program file to the target board.

3: Open SSCOM32 serial debugging assistant, serial port baud rate :115200.

4. Test the GPS function. Remember to plug in the GPS antenna.

Send the following command

```
AT          return OK
AT+GPS=1    return OK
AT+GPSRD=1
```

```

AT+GPS=1
OK
AT+GPSRD=1
OK
+GPSRD:
$GNGGA,000001.261,2236.3963,N,11350.4102,E,0,0,,153.2,M,-
3.2,M,,*4B
$GPGSA,A,1,,,,,,,,,,,,,*1E
$BDGSA,A,1,,,,,,,,,,,,,*0F
$GPGSV,1,1,00*79
$BDGSV,1,1,00*68
$GNRMC,000001.261,V,2236.3963,N,11350.4102,E,0.000,0.00,06
0180,,,N*58
$GNVTG,0.00,T,,M,0.000,N,0.000,K,N*2C
+GPSRD:
$GNGGA,000002.261,2236.3963,N,11350.4102,E,0,0,,153.2,M,-
3.2,M,,*48
$GPGSA,A,1,,,,,,,,,,,,,*1E
$BDGSA,A,1,,,,,,,,,,,,,*0F
$GPGSV,1,1,00*79
$BDGSV,1,1,00*68
$GNRMC,000002.261,V,2236.3963,N,11350.4102,E,0.000,0.00,06
0180,,,N*5B
$GNVTG,0.00,T,,M,0.000,N,0.000,K,N*2C
+GPSRD:
$GNGGA,000003.261,2236.3963,N,11350.4102,E,0,0,,153.2,M,-
3.2,M,,*49
$GPGSA,A,1,,,,,,,,,,,,,*1E
$BDGSA,A,1,,,,,,,,,,,,,*0F
$GPGSV,1,1,00*79
$BDGSV,1,1,00*68
$GNRMC,000003.261,V,2236.3963,N,11350.4102,E,0.000,0.00,06
0180,,,N*5A
$GNVTG,0.00,T,,M,0.000,N,0.000,K,N*2C
+GPSRD:
$GNGGA,000004.261,2236.3963,N,11350.4102,E,0,0,,153.2,M,-
3.2,M,,*4E
$GPGSA,A,1,,,,,,,,,,,,,*1E
$BDGSA,A,1,,,,,,,,,,,,,*0F
$GPGSV,1,1,00*79
$BDGSV,1,1,00*68
$GNRMC,000004.261,V,2236.3963,N,11350.4102,E,0.000,0.00,06
0180,,,N*5D
$GNVTG,0.00,T,,M,0.000,N,0.000,K,N*2C
+GPSRD:
$GNGGA,000005.261,2236.3963,N,11350.4102,E,0,0,,153.2,M,-
3.2,M,,*4F
$GPGSA,A,1,,,,,,,,,,,,,*1E
$BDGSA,A,1,,,,,,,,,,,,,*0F
$GPGSV,1,1,00*79
$BDGSV,1,1,00*68
$GNRMC,000005.261,V,2236.3963,N,11350.4102,E,0.000,0.00,06

```

HEX	DATA	SEND
<input type="checkbox"/>	AT	1
<input type="checkbox"/>	AT+CSQ	2
<input type="checkbox"/>	AT+CREG?	3
<input type="checkbox"/>	ATD13016490443;	4
<input type="checkbox"/>	AT+GPS=0	5
<input type="checkbox"/>	AT+GPSRD=1	6
<input type="checkbox"/>	At+CMGR=3	7
<input type="checkbox"/>		8
<input type="checkbox"/>		9
<input type="checkbox"/>		10
<input type="checkbox"/>	AT+CGPSURL="111.222.333.444	11
<input type="checkbox"/>	AT+CGSOCKCONT=1,"IP","myAPN	12
<input type="checkbox"/>	at+cpin?	13
<input type="checkbox"/>	AT+CGNSPWR=1	14
<input type="checkbox"/>	ATE1	15
<input type="checkbox"/>	AT+CGPSNMEA=8191	16
<input type="checkbox"/>	AT+CGPSINFOCFG=2	17
<input type="checkbox"/>	AT+CGPS=1,1	18
<input type="checkbox"/>	AT+CGPSINFO=?	19
<input type="checkbox"/>	AT+CGPSINFO?	20
<input type="checkbox"/>	AT+CGPSINFO	21
<input type="checkbox"/>	ATH	22
<input type="checkbox"/>	AT+GPS=0	23
<input type="checkbox"/>	AT+GPSRD=1	24
<input type="checkbox"/>	AT+CIPSTART="TCP","22.114.	25
<input type="checkbox"/>	AT+CGATT=1	26
<input type="checkbox"/>	AT+CGDCONT=1,"IP","CMNET"	27
<input type="checkbox"/>	AT+CGACT=1,1	28
<input type="checkbox"/>	AT+CIPSTART="TCP","gtech.co	29
<input type="checkbox"/>	AT+CIPSEND=80	30
<input type="checkbox"/>	GET http://gtech.co/gtech.p	31
<input type="checkbox"/>	0xDB	32

Round send, interval: 1000 ms

OpenFile FileNm SendFile SaveData Clear HexData

ComNum COM17 CloseCom Help WWW.MCU51.COM Hide

BaudRa 115200 DTR RTS
 DataBi 8 Send eve 2000 ms/Time
 StopBi 1 SendHEX SendNew
 Verify None Data input: SEND
 FlowCo None AT+GPS=0

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 【点这里升级为SSCOM5.13版】可在win10运行!