

AWT100 overseas commissioning process

(2023.3.20)

1. Wiring

- 1) Connect the power cord or AWT100-POW module to power AWT100



AWT100-POW power supply wiring diagram



Power adapter

- 2) Parallel AWT100 and 485 line of downstream instrument



485 wiring diagram

- 3) AWT100 and downstream instruments are powered on, waiting for AWT100 to identify the device

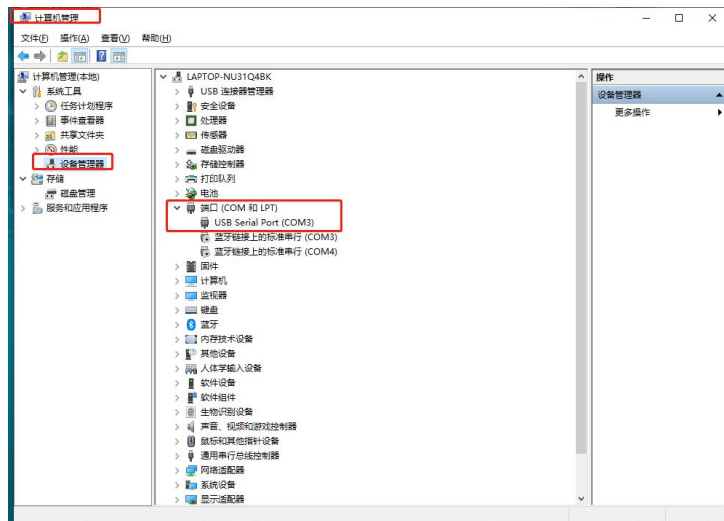
2.Parameter configuration

1) Connect the AWT100 to the computer with USB to 485 cable



Wiring diagram of USB to 485 line

2) Check the com number of 485 port connected to AWT100 on the computer (if it is not recognized, please install the USB to 485 cable driver by yourself)

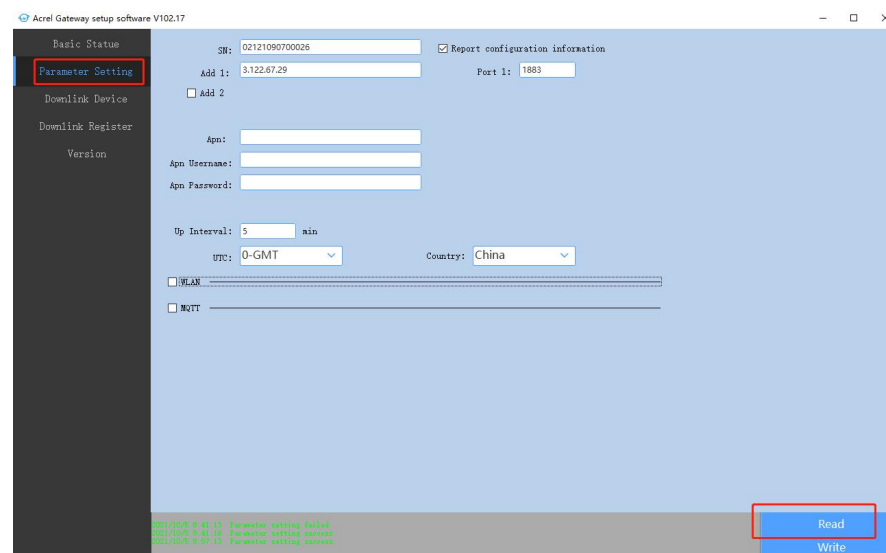


Query COM port



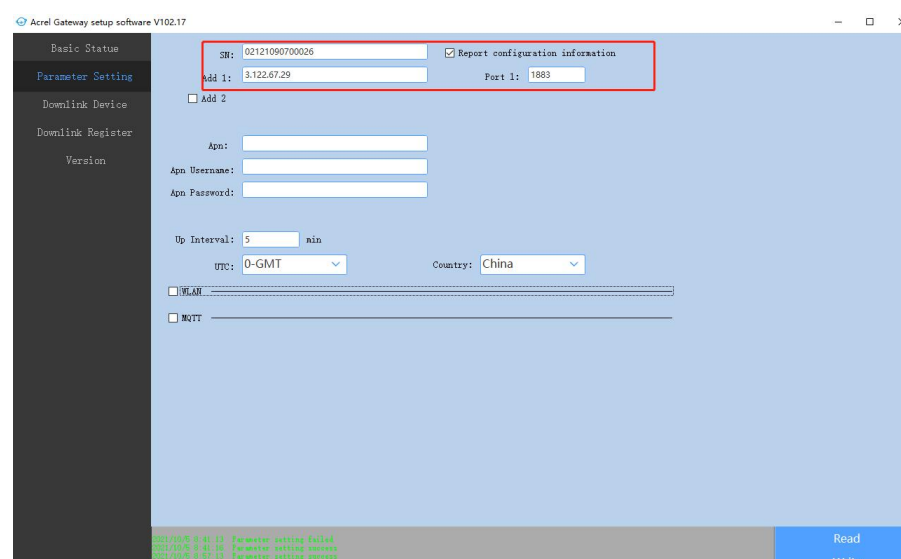
3) Open the "Acrel Gateway setup software" debugging tool

4) In the "Parameter Setting" interface, click "Read" to obtain the currently configured content



5) In the "Parameter Setting" interface, check whether Add1 Port1 is the correct target IP address and port;

Be sure not to check “Report configuration information” when using your own platform



6) AWT100-4G equipment confirms whether APN is required. If necessary, please fill in "Apn", "Apn Username" and "Apn Password" (Apn Username and "Apn Password" are optional);

Apn:

Apn Username:

Apn Password:

AWT100-WIFI device, click "Read" in the figure below to obtain data, check whether the wireless user and password are correct, and click "Write" in the figure to write if there is any modification;

☒ WLAN

wain:

password:

☒ dhcp

ip:

netmask:

gateway:

The AWT100-CE device checks whether the local IP information is correct. Click "Read" in the figure below to obtain the data. If the dhcp mode is used, please check "dhcp". If the dhcp mode is not used, you need to enter the corresponding ip, netmask and getway. If there is any modification, you need to click "Write" in the figure to write.

wain:

password:

☒ dhcp

ip:

netmask:

gateway:

7) Check whether the user name, password, clientID and QoS level of MQTT are correct.

☒ MQTT

Name:

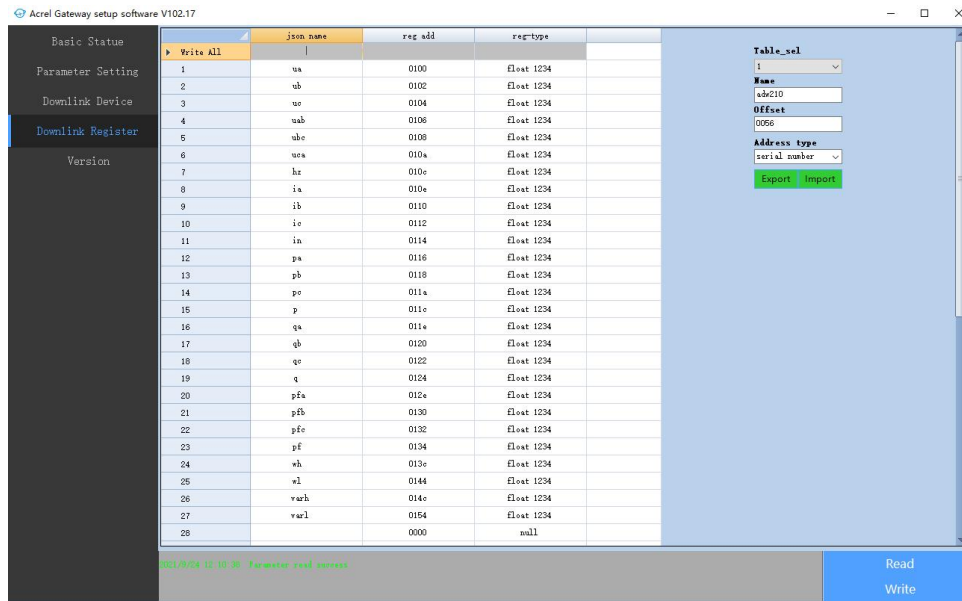
password:

clientID:

Mqtt qos: Mqtt keep alive: min

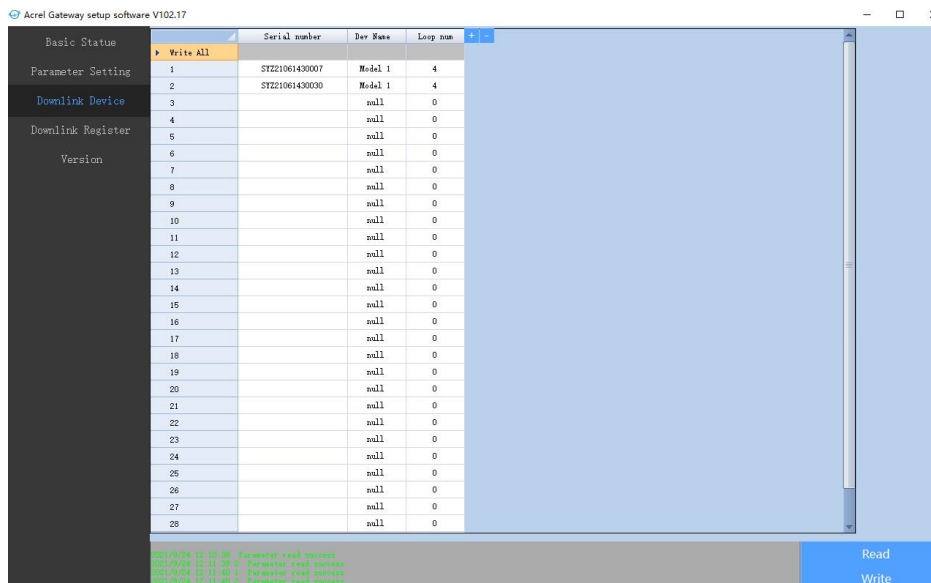
Parameter setting interface

8) In the "Downlink Register" interface, click "Read" at the bottom right to obtain the current template content, and confirm whether the template for the downstream instrument has been imported. If the template is empty or inconsistent, please re import the template (please contact us for a new template), and click "Import" to import the template; The gateway can set up up to 4 templates, which can be switched through "Table_sel".



"Downlink Register" interface

9) On the "Downlink Device" interface, check the downlink instrument information, and the Serial number and Dev Name will be automatically identified (if any equipment is not successfully identified, you can enter it manually). You need to confirm here whether the number of circuits of each equipment is the same as the actual number.



"Downlink Device" interface

10) If the above information is changed, please click "New" after "gwConfigVer" and "downlinkConfigurator" in the "Version" interface to synchronize the latest configuration to the platform.

Acrel Gateway setup software V102.17

Basic Status

Parameter Setting

Downlink Device

Downlink Register

Version

Soft code: 1844

App ver: 1004

App ver pro: 0

Iap ver: 1003

Ota ver: 0

FW Add:

gwConfigVer: 1

downlinkConfigVer: 2

alarmConfigVer: 1

New

New

New

2021/9/24 12:10:39 Parameter read success

2021/9/24 12:11:39 0 Parameter read success

2021/9/24 12:11:40 1 Parameter read success

2021/9/24 12:11:40 2 Parameter read success

Read

Write

Version interface