RS485 TO WIFI ETH MQTT

Software Preparation

- EMQX MQTT (broker.emqx.io) (http://www.emqx.io/online-mqtt-client#/recent_connections)

Hardware Preparation

- RS485 TO WIFI/ETH (https://www.waveshare.com/rs485-to-wifi-eth.htm)
- PC
- RS232 RS485 TO ETH/RS485 TO ETH/USB TO RS485 (Devices with onboard RS485) (https://www.waveshare.com/rs232-485-to-eth.htm)

(/wiki/File:Eth-485-485-wifi.png)

Log In To The Configuration Page

Open the wireless network connection and search for the network. The "Waveshare- AP" (xxxx is the last four digits of the MAC address) as shown in the figure below is the default network name of Service Set Identifier (SSID).
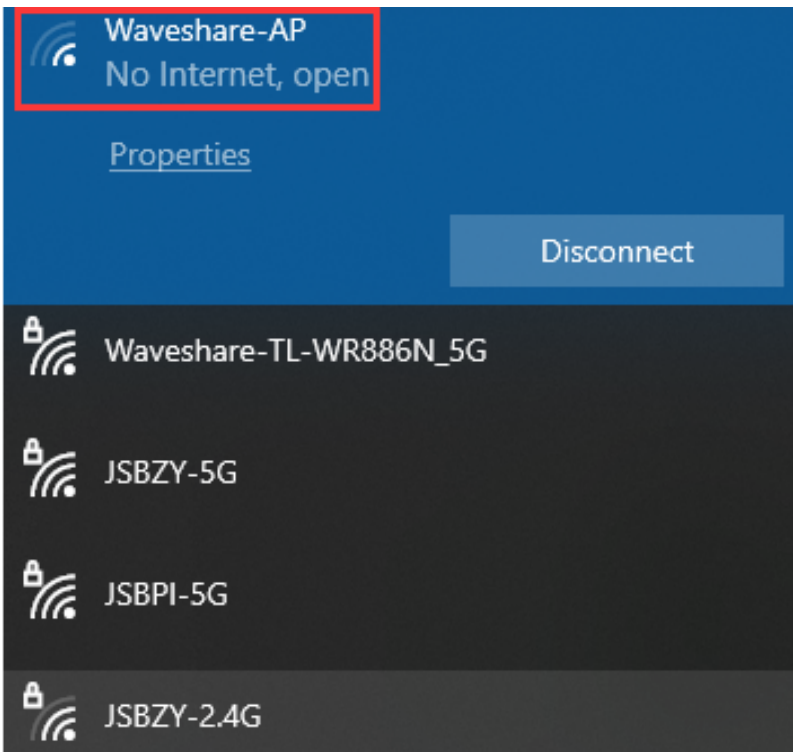
(/wiki/File:RS485_TO_WIFI_ETH_MQTT02.png)

Enter the address in the computer browser: "10. 10.100 254"; the management page of RS485 TO WIFI/ETH will appear on the webpage -> Enter the user name and password with "admin".
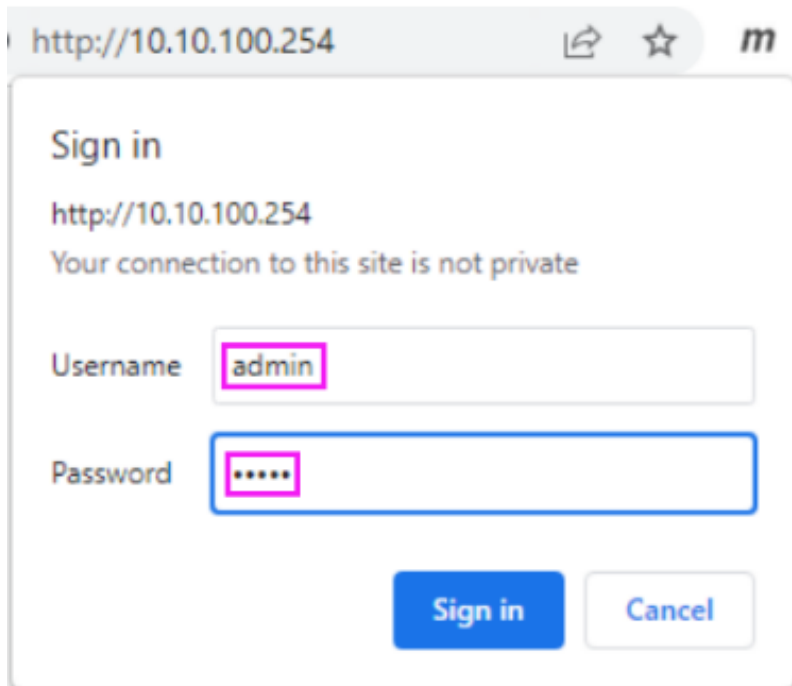
(/wiki/File:RS485_TO_WIFI_ETH_MQTT03.png)

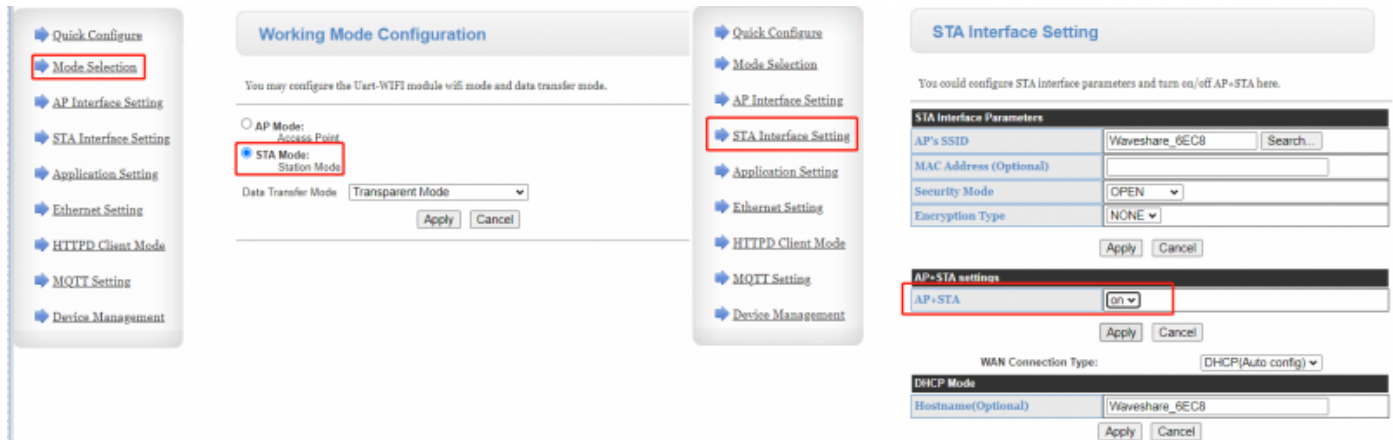If your browser fails to connect after entering"10. 10.100.254", you can use the following

IP address:"10.10.100.222".

(/wiki/File:RS485_TO_WIFI_ETH_MQTT04.png)

Connect To The Internet WAN

Please enable AP+STA mode, as shown below:

(/wiki/File:STA%2BAP.png)

Connect to the WiFi hotspot for Internet access (you can also open the network port and connect the network cable to the Internet)

(/wiki/File:RS485_TO_WIFI_ETH_MQTT005.png)

STA mode has the same function as an external network cable. Please turn on WiFi and turn off the hotspot.

(/wiki/File:Wifi_MQTT.png)

Easy-to-use Online MQTT Client|Try Now (emqx.io) (http://www.emqx.io/online-mqtt-client/#/recent_connections/0350e24b-cb34-442c-95a2-6c037ce66fcf)

Enter the MQTT Setting to configure:
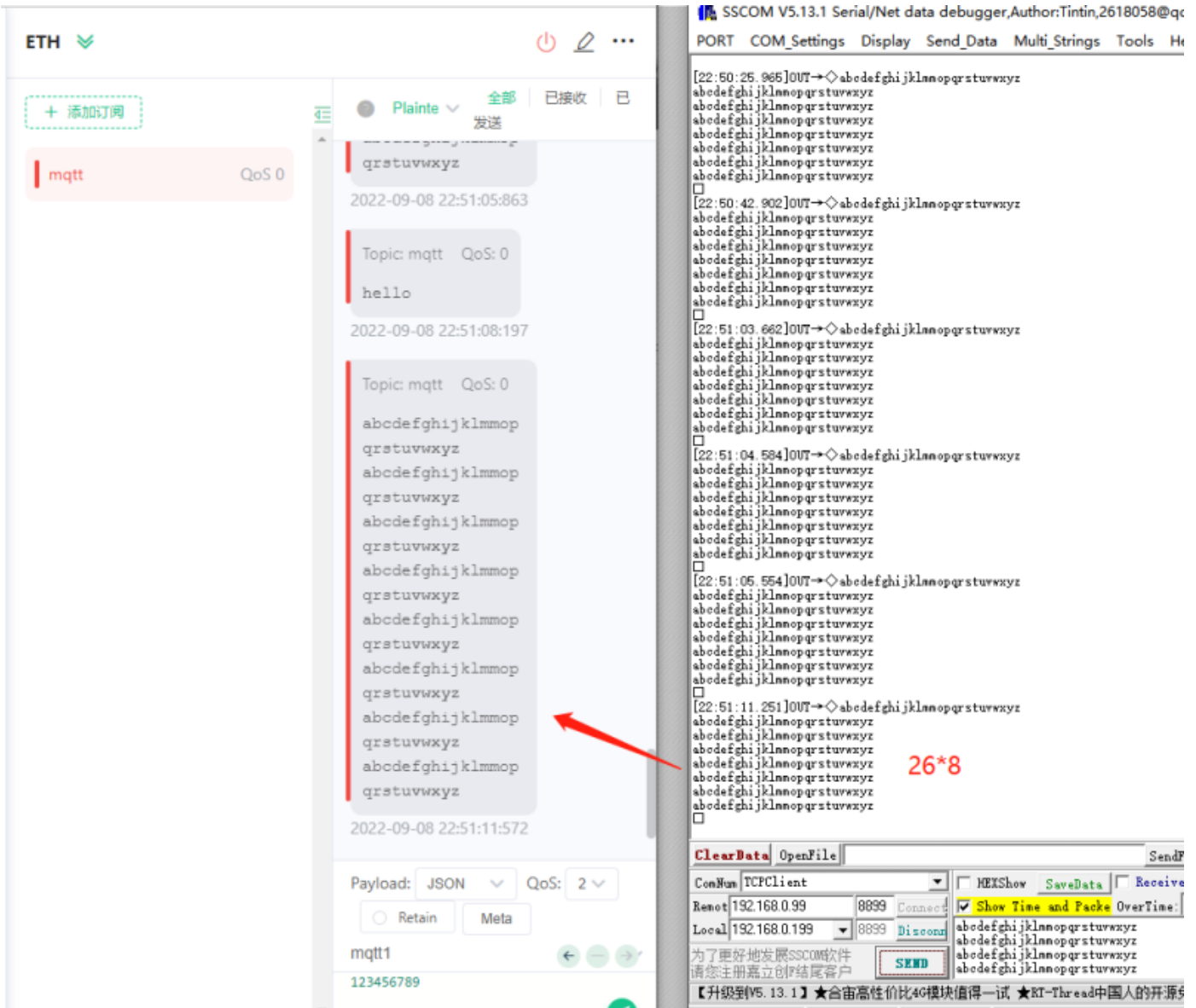
(/wiki/File:RS485_TO_WIFI_ETH_MQTT007.png)

Communicate via MQTT and EMQX MQTT platform:
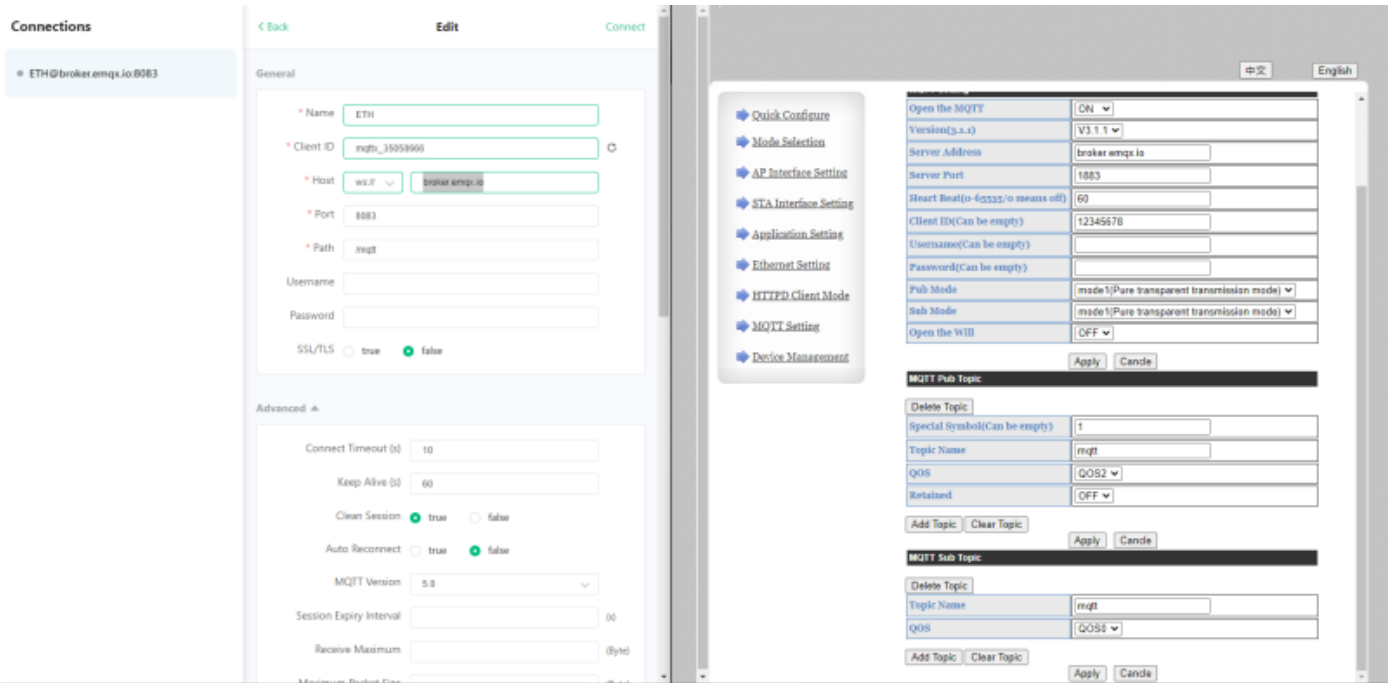
(/wiki/File:RS485_TO_WIFI_ETH_MQTT008.png)

(/wiki/File:RS485_TO_WIFI_ETH_MQTT009.png)

Tips: STA and ETH cannot be opened at the same time.