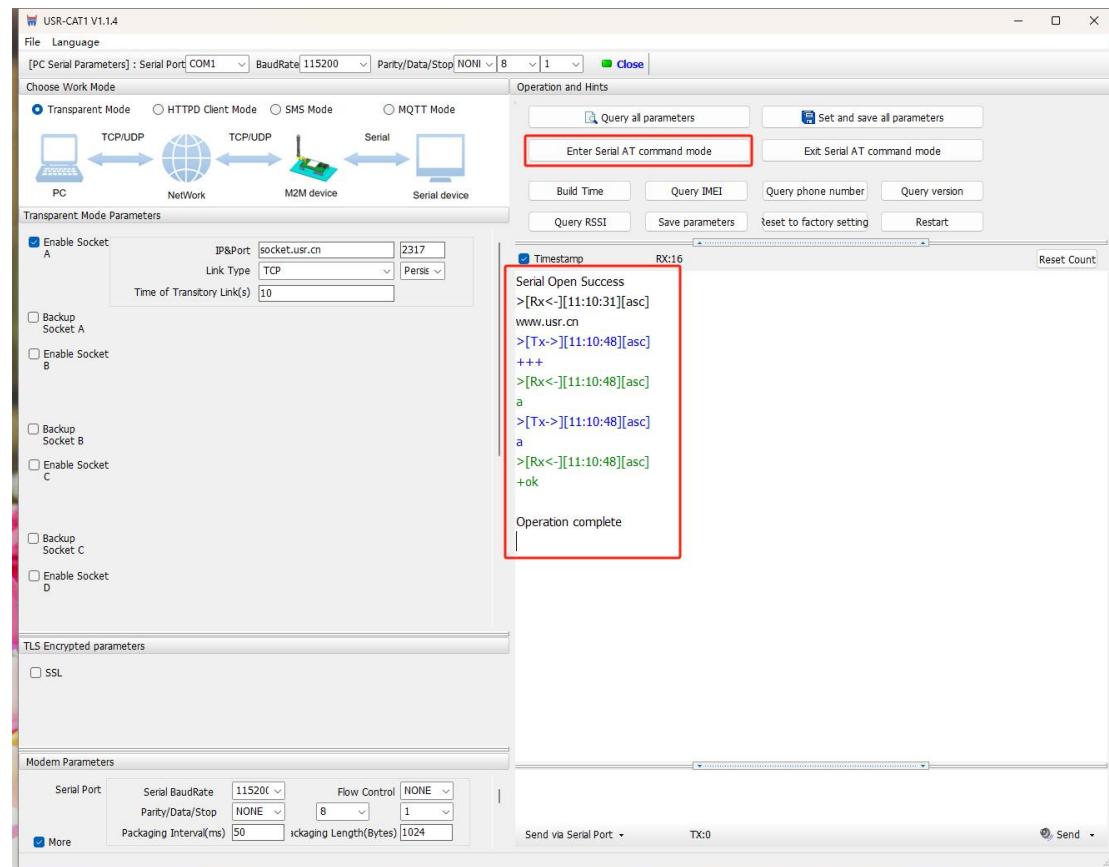


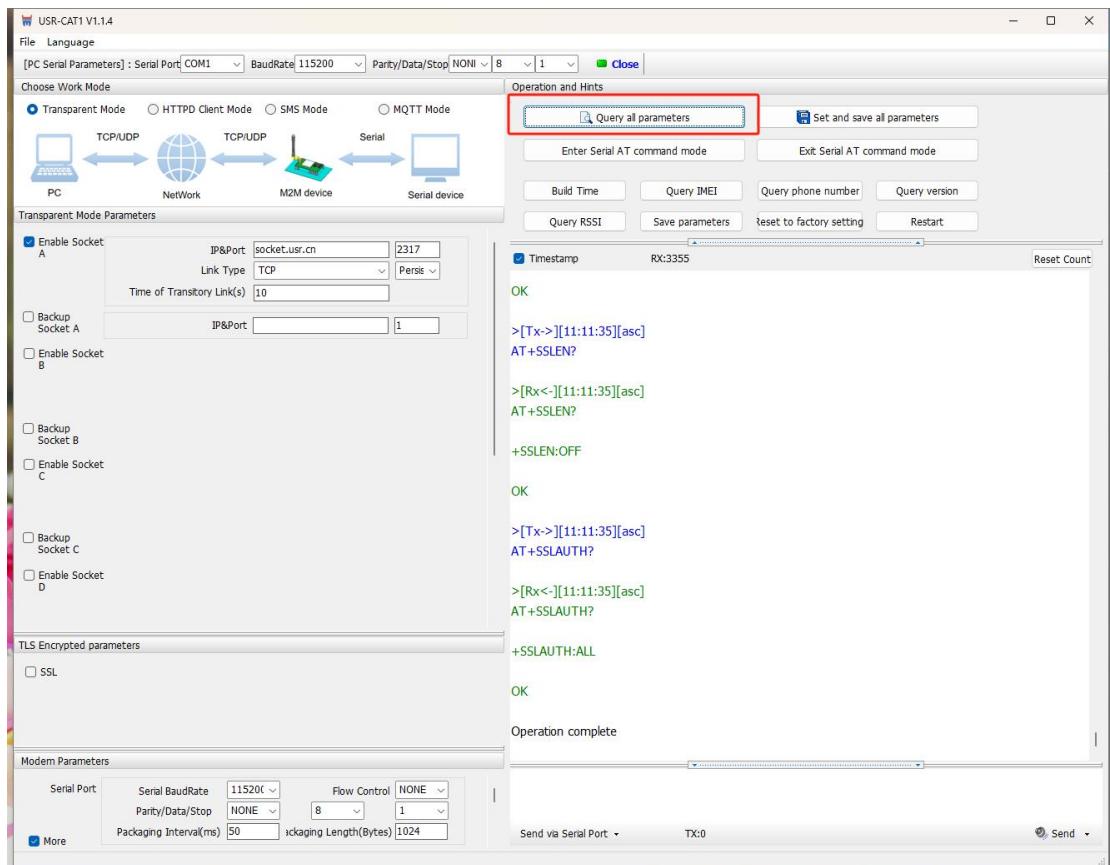
USR-DR154:How to configure MQTT

Step1 : Connect the PC to the DR154 via serial port (COM1 115200 8n1)

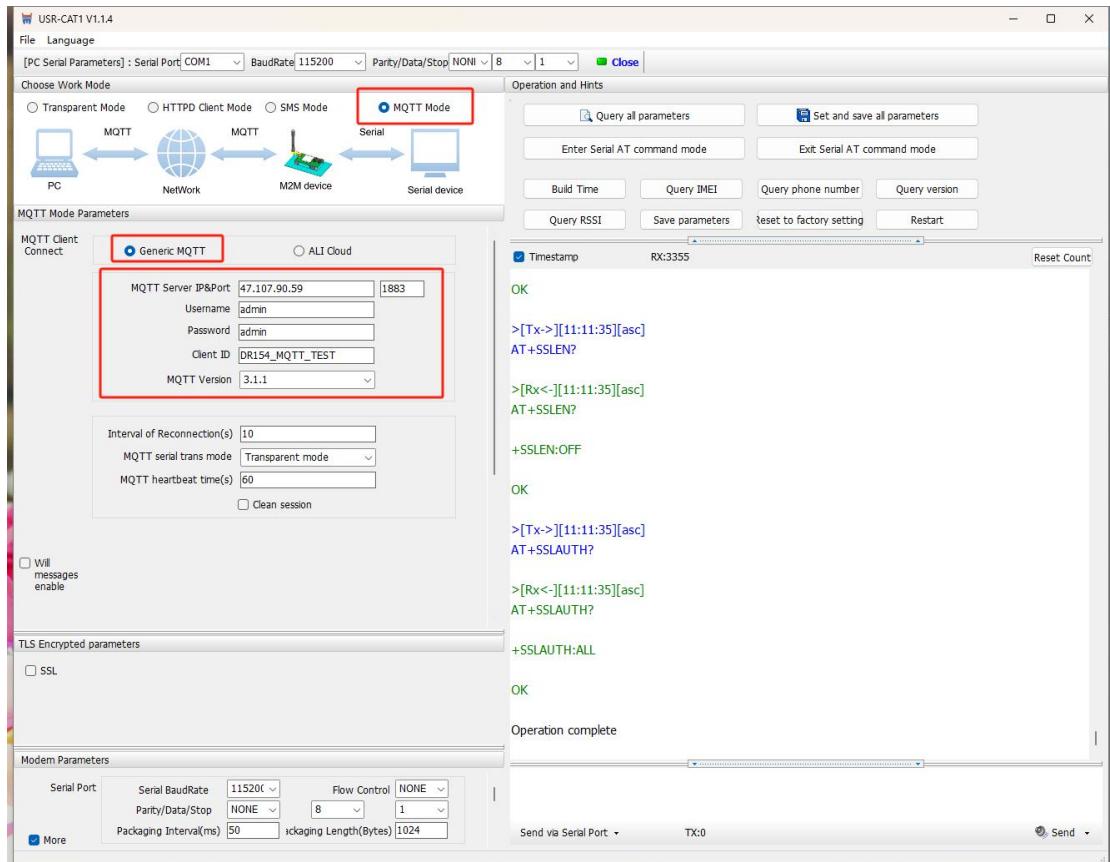
Step 2 :Enter serial AT mode



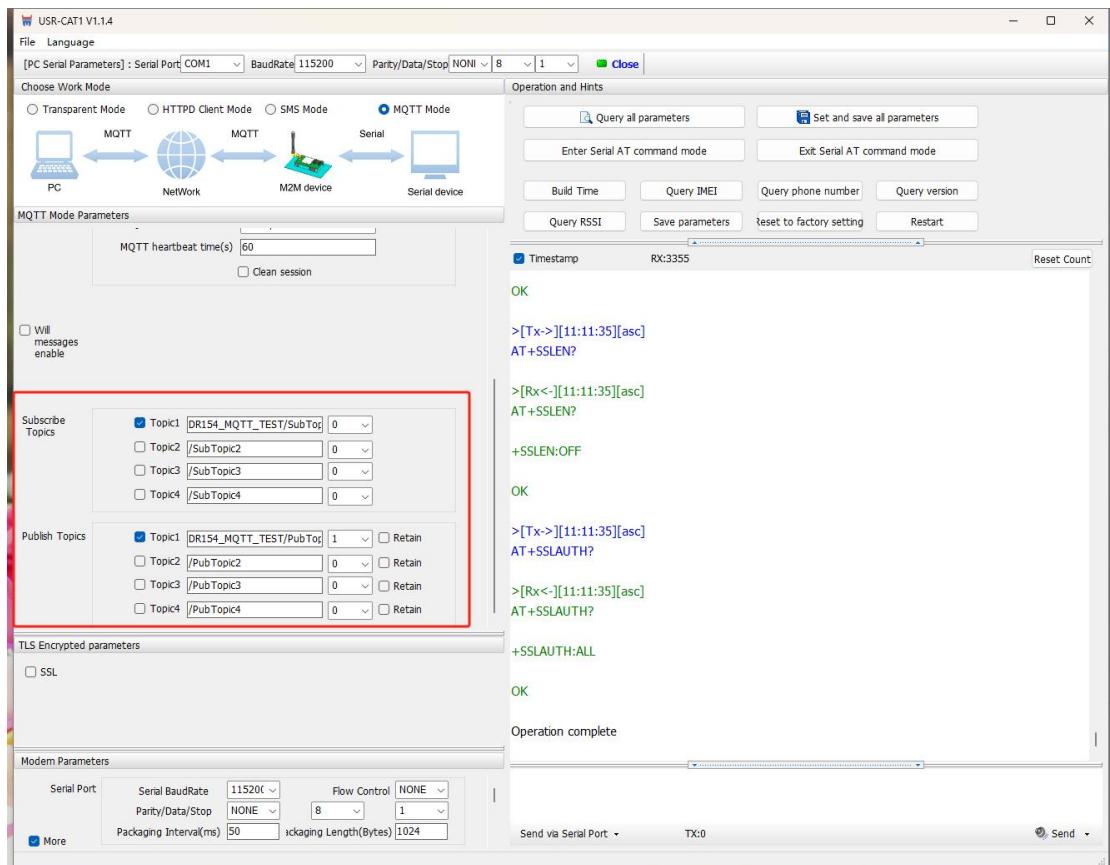
Step 3: Query all the parameters



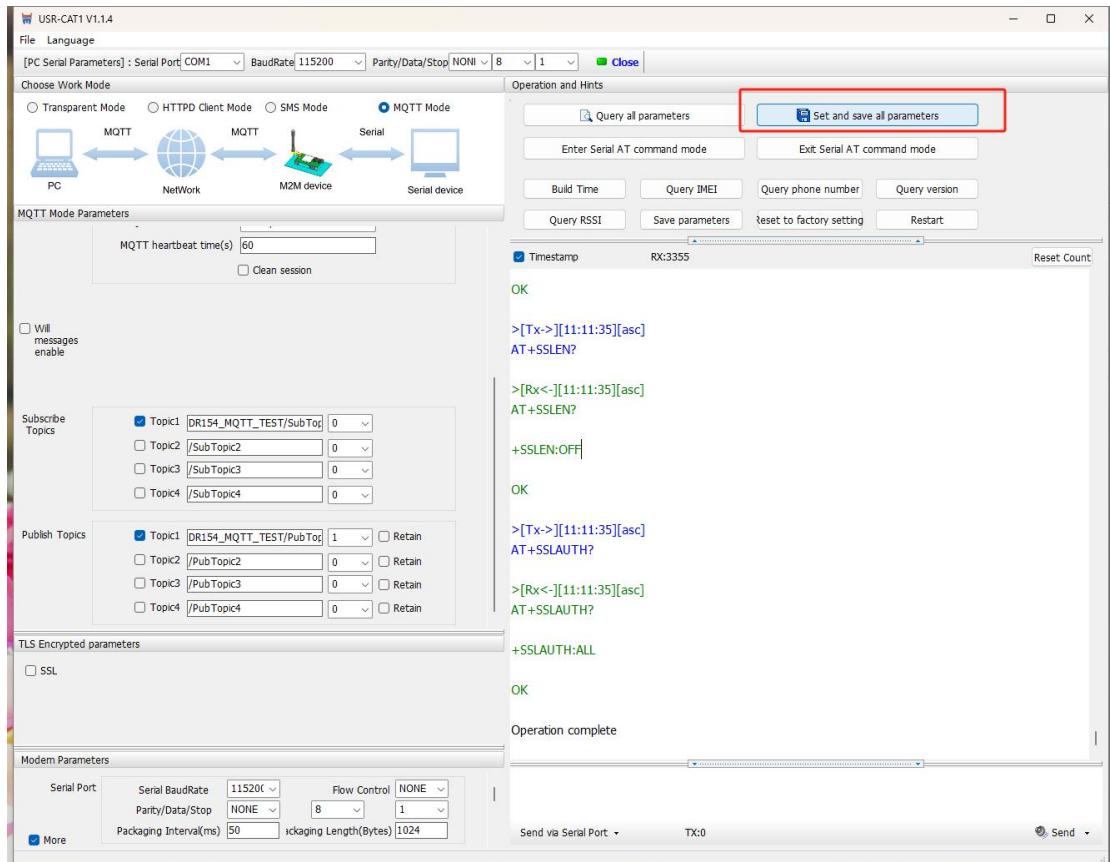
Step 4 : change the working mode to the MQTT and set the parameters up



Step 5 : set the publish/Subscribe topic up



Step 6 : Set and save all the parameters,then it will save the settings and reboot the DR154



Data test:

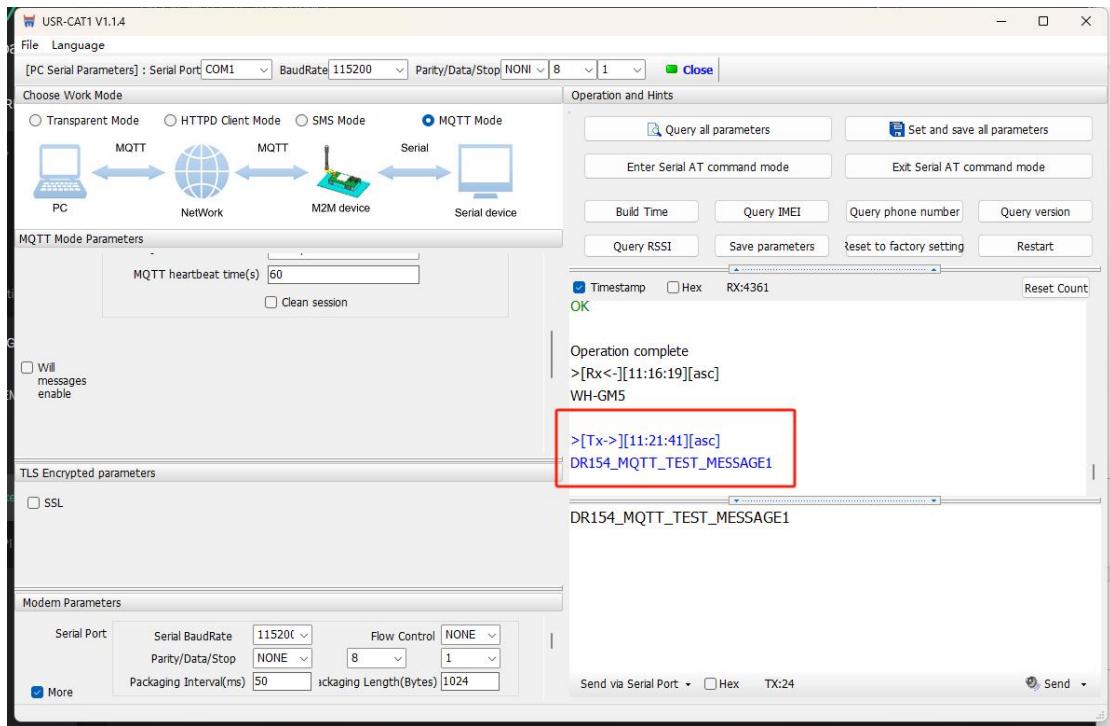
1、 login to the server and enable the MQTT Broker

The screenshot shows the EMQ X Broker dashboard. On the left, there's a sidebar with various monitoring and management tools like Overview, Clients, Topics, Subscriptions, Rule Engine, Management, Tools, and Admin. The 'Clients' tab is selected. In the main area, there's a table titled 'Clients' with columns: Client ID, Username, IP Address, Keepalive(s), Expiry Interval(s), Subscriptions Count, Connect Status, Created At, and Operation. One row is highlighted with a red border, showing 'DR154_MQTT_TEST' as the Client ID, 'admin' as the Username, '117.61.125.17:14...' as the IP Address, '60' as the Keepalive, '7200' as the Expiry Interval, '1' as the Subscriptions Count, 'CONNECTED' as the Connect Status, '2024-11-08 11:16:26' as the Created At date, and 'Kick Out' as the Operation. There are also search and filter options at the top right.

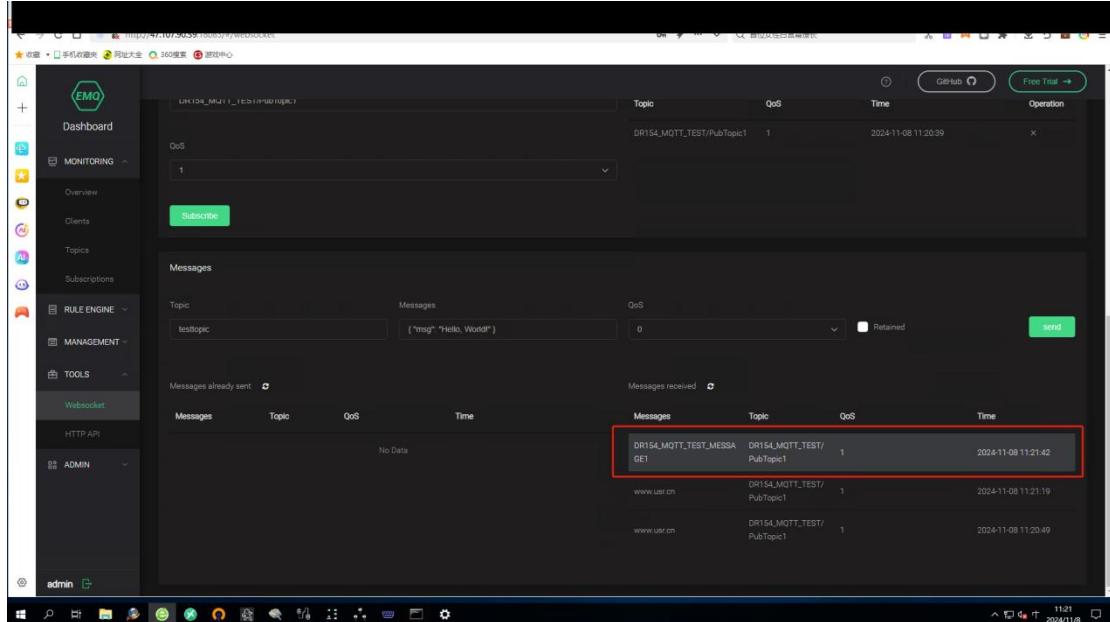
2、 Sub the topic in the MQTT Broker

This screenshot shows the 'Subscribe' section of the EMQ X Broker interface. It includes fields for 'Keep Alive' (set to 60), 'Clean Session' (checked), 'SSL' (unchecked), and the URL 'ws://47.107.90.59:8083/mqtt'. Below this, there are 'Connect' and 'Disconnect' buttons, and a status message 'Current State: CONNECTED'. The 'Subscribe' section has a red border around it. It contains a 'Topic' input field with 'DR154_MQTT_TEST/PubTopic1' and a 'QoS' dropdown set to '1'. A green 'Subscribe' button is at the bottom. To the right, there's a table with columns: Topic, QoS, Time, and Operation. One entry is shown: 'DR154_MQTT_TEST/PubTopic1' with '1' for QoS, '2024-11-08 11:20:39' for Time, and a delete 'x' icon for Operation. Below the subscribe section is a 'Messages' section with a 'Topic' input field containing 'testtopic', a 'Messages' input field with the JSON string '{ "msg": "Hello, World!" }', a 'QoS' dropdown set to '0', and a 'send' button. The bottom of the screen shows a Windows taskbar with various icons.

3、 Post the test datas in the software for DR154 check if the MQTT Broker get the message



4、The MQTT Broker received the test message from DR154



5、Post the test datas in the MQTT Broker and check if the DR154 get the message

