MQTT APPLICATION

Rev: 1.0

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Catalogue

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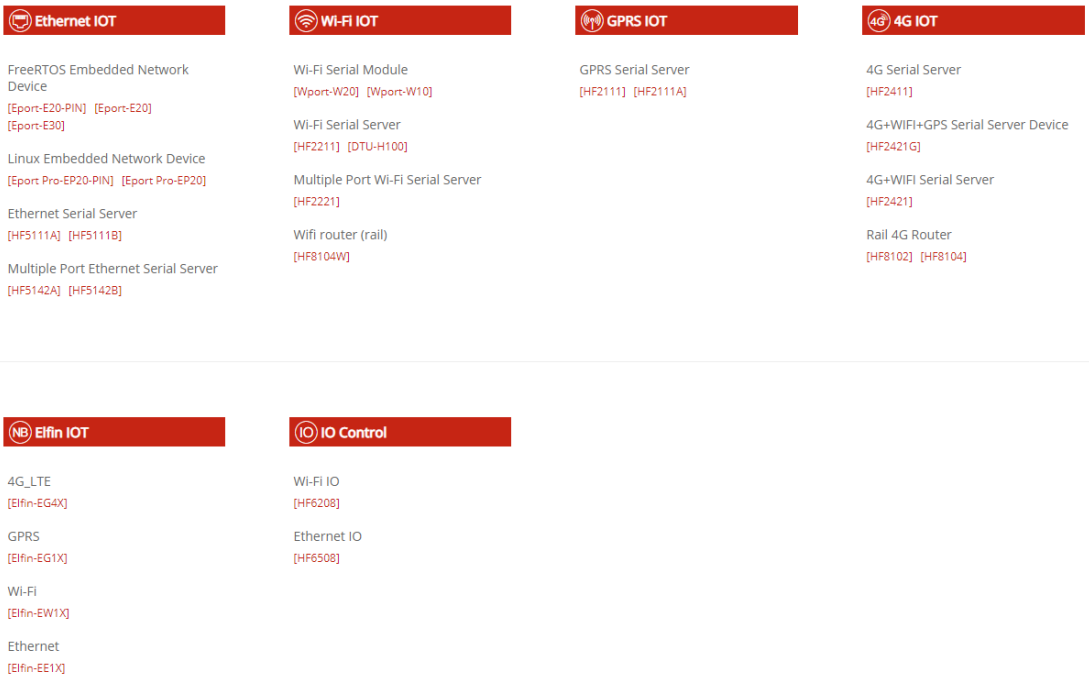
1. PRODUCT

This document is applicable to the following product, take HF2211 for example, other product usage is much the same.



2. HARDWARE

- HF2211 1PCS
- HF2411 1PCS

3. SOFTWARE

- IOTService
- MQTTfx tools
- UART tools

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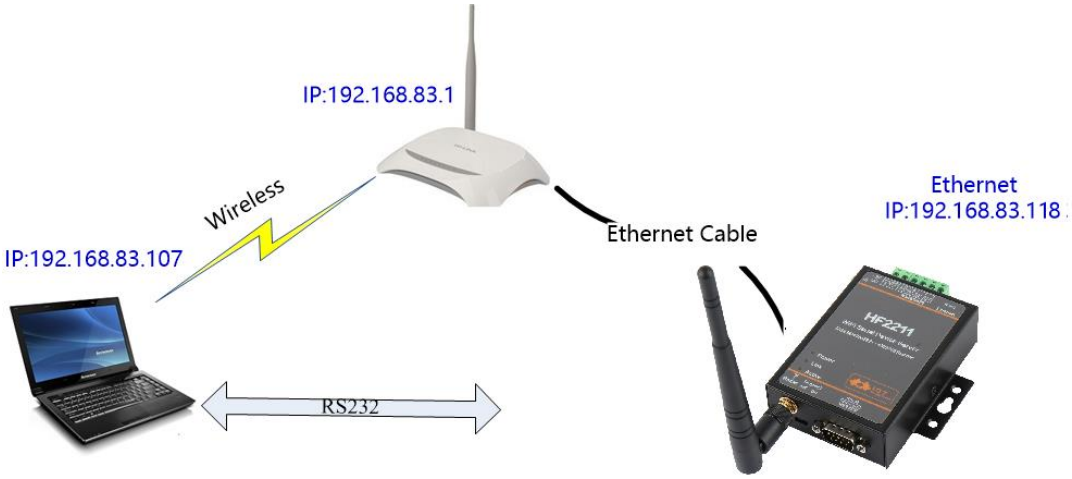
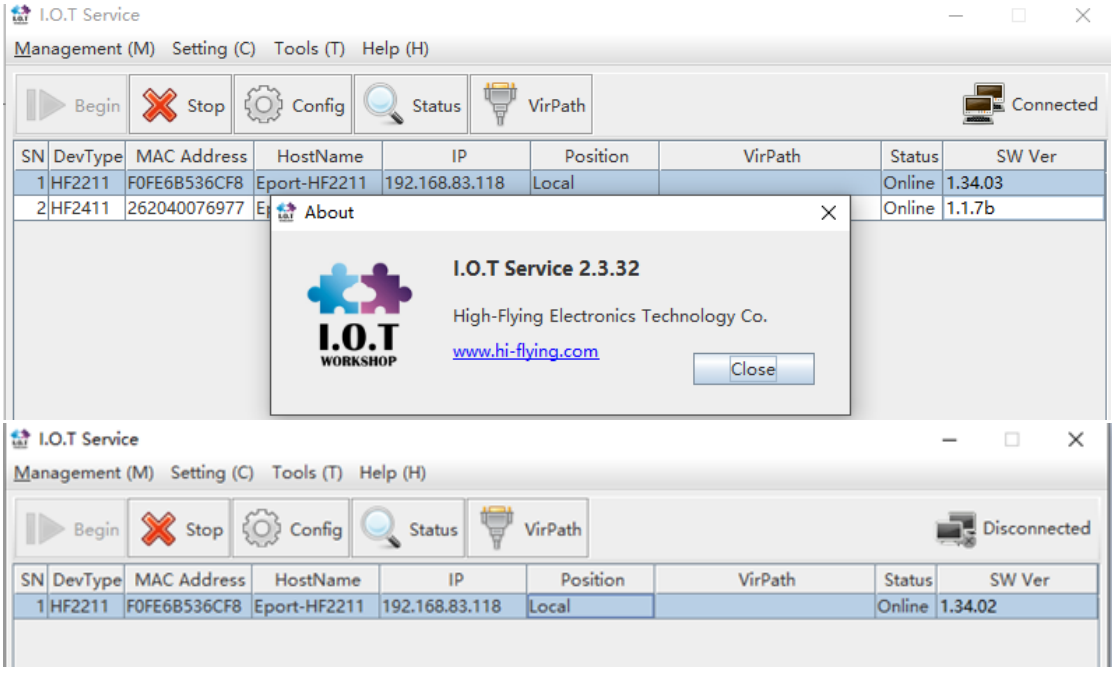
4. HF2211 HARDWARE CONNECTION

4.1. Test

- Connect device as the following pic



- Open IOTService tools(Tools at least need 2.3.32 Version),See our HF2211 device, Device firmware need upgrade to at least 1.34.02.



- Enable netp MQTT, HF test server: 112.124.43.15, port:1883(we do not use TLS for our test MQTT server), local port fill with 0(0 for random port).

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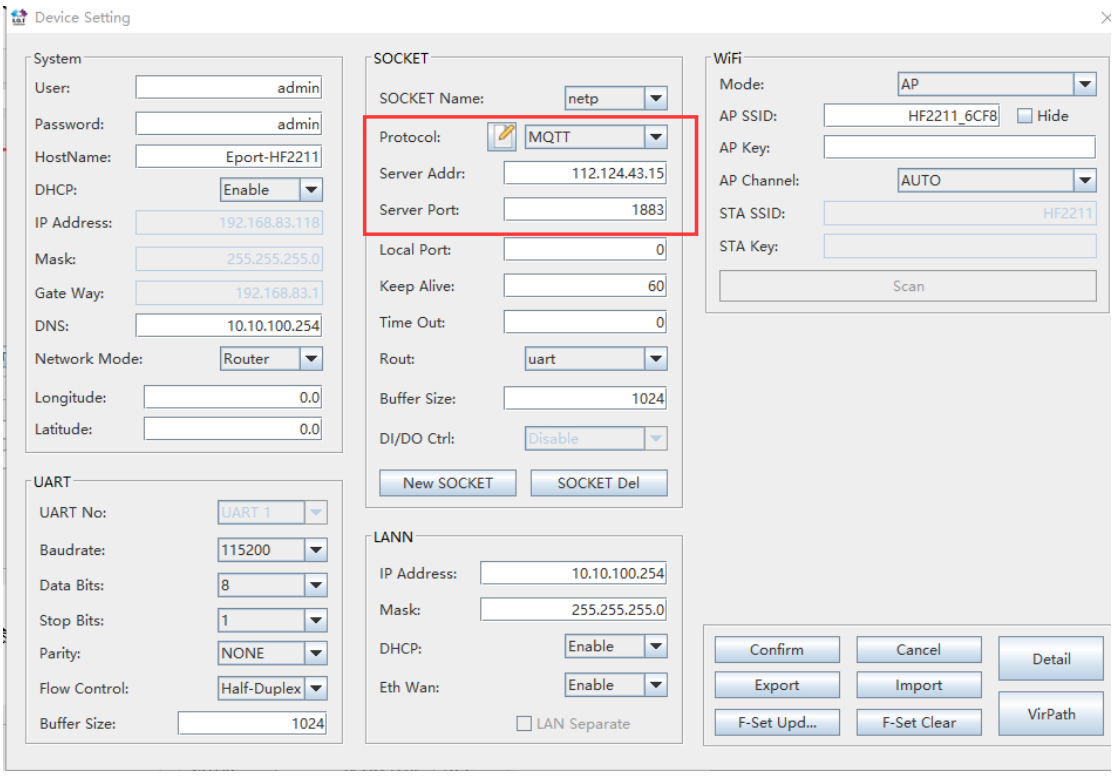
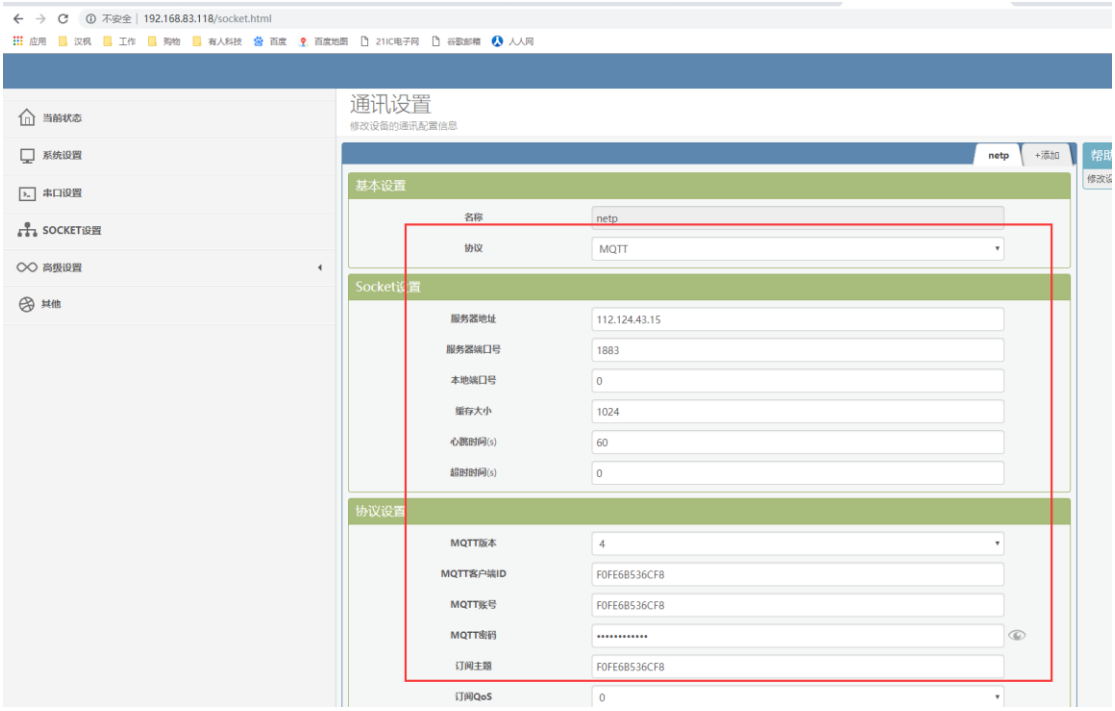


- Open webpage, it can also set such information.



- Click following icon to modify more parameters of MQTT.

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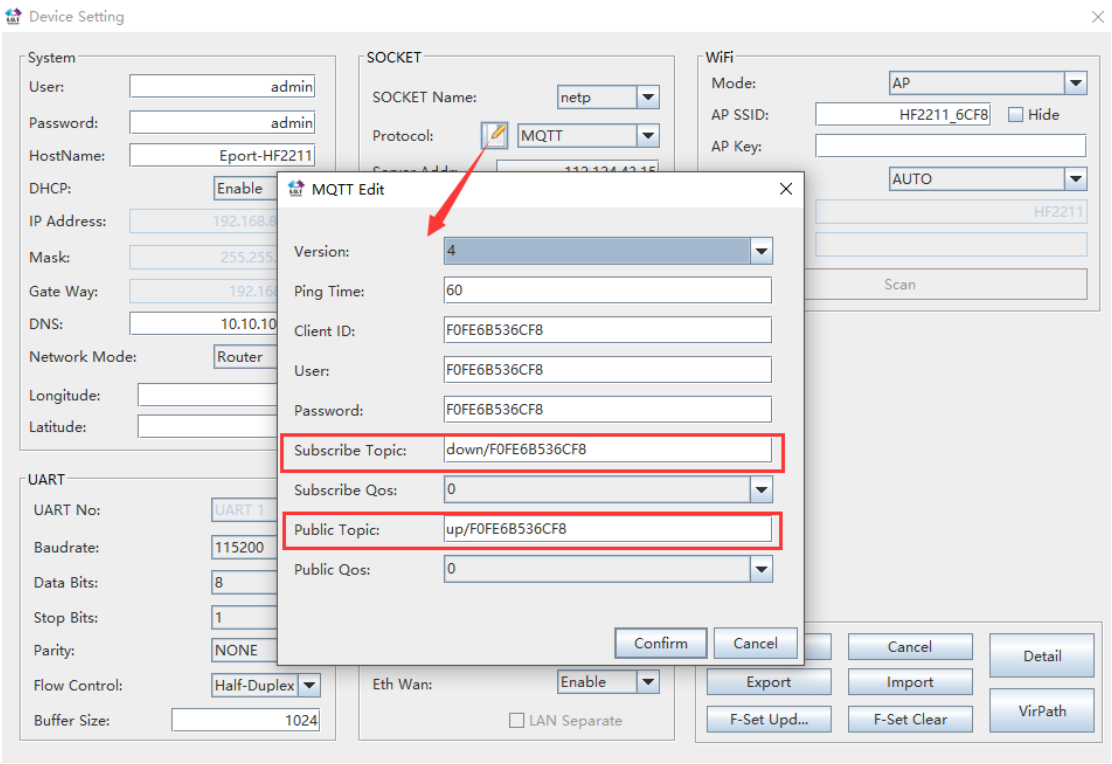

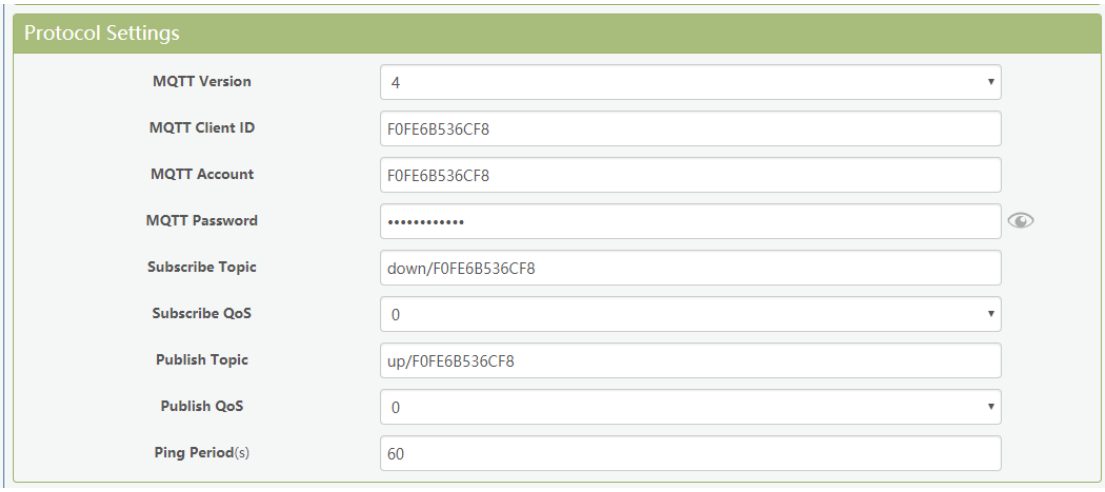

MQTT Client ID: Every device Client ID must be different, recommend to use device MAC.

MQTT Account：MQTT login User

MQTT Password：MQTT loing Password

- Confirm server status.

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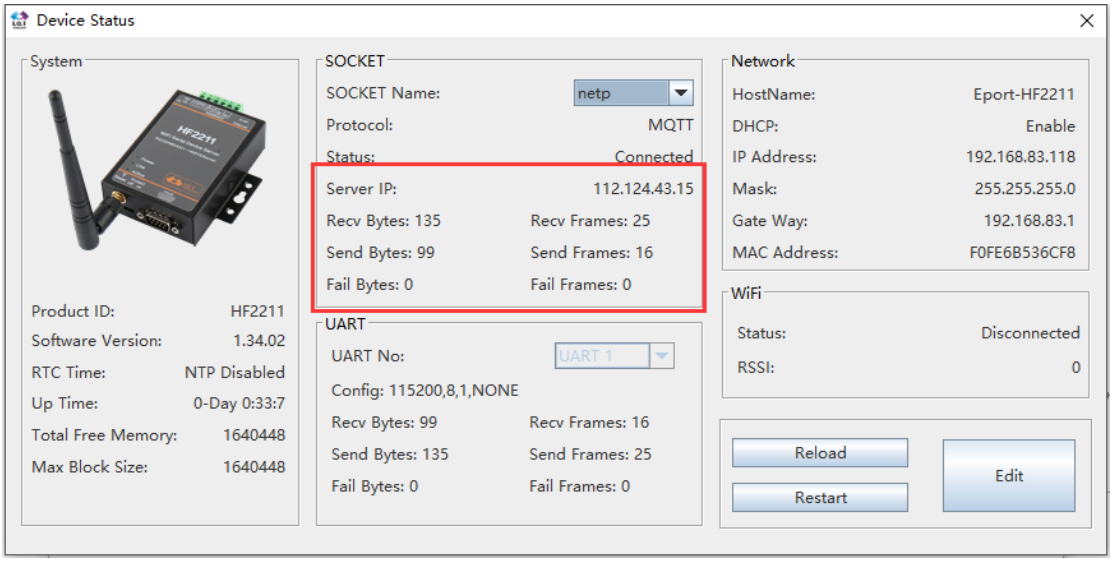
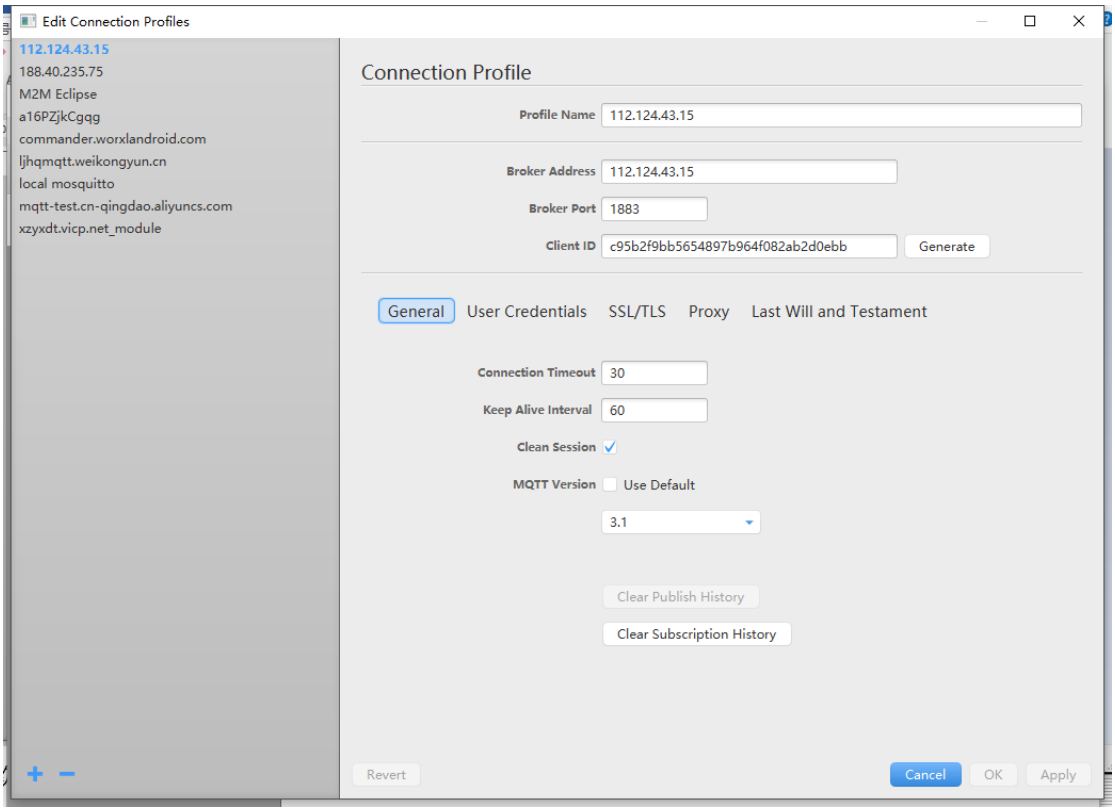


- Open MQTTfx tools, fill in the server information.



- Set subscribe topic in MQTTFX tools(Should be the same as publish topic in device), open UART tools (SecureCRT or other tools) , Send UART data to device and the tools shows the data received.

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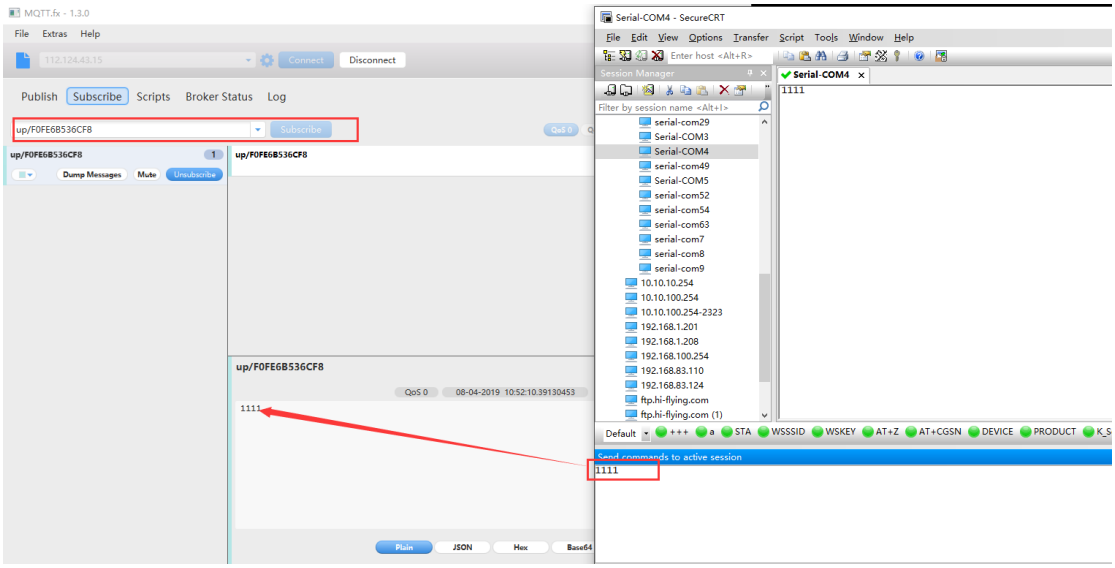
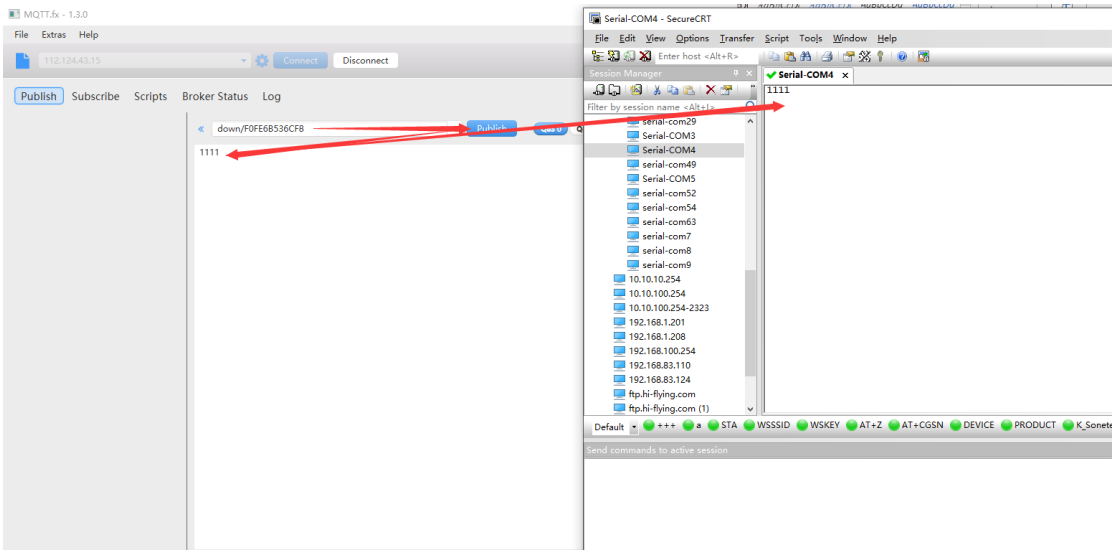


- Set publish topic in the tools (The same with subscribe topic in device), and send data, then the device UART output the data.



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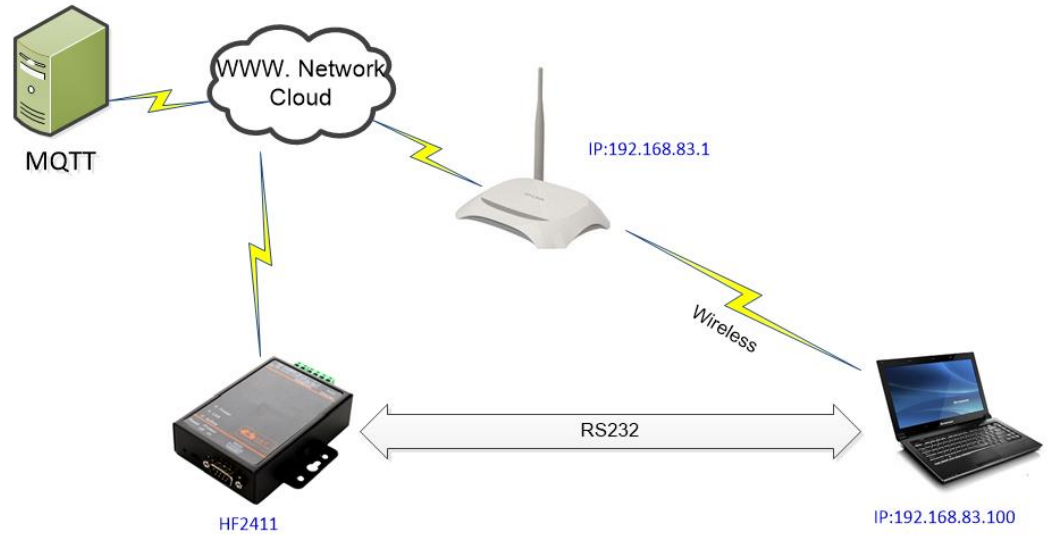
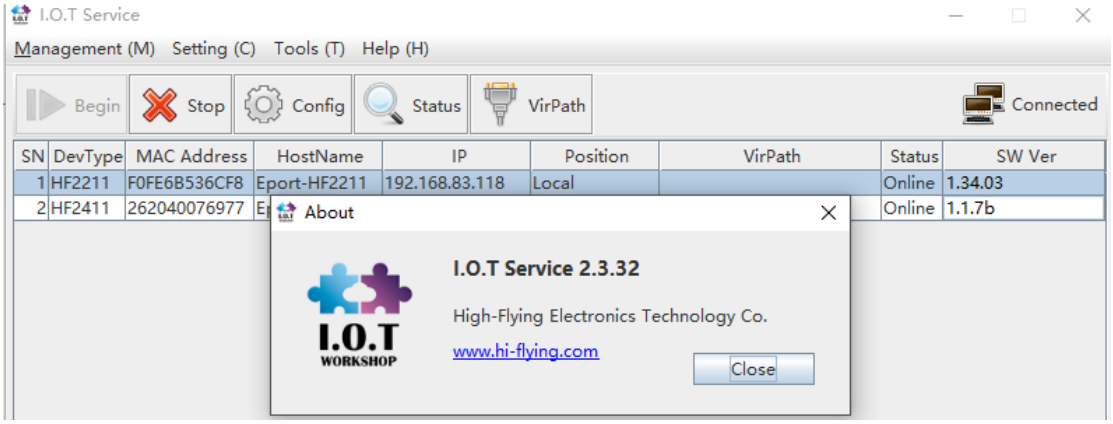
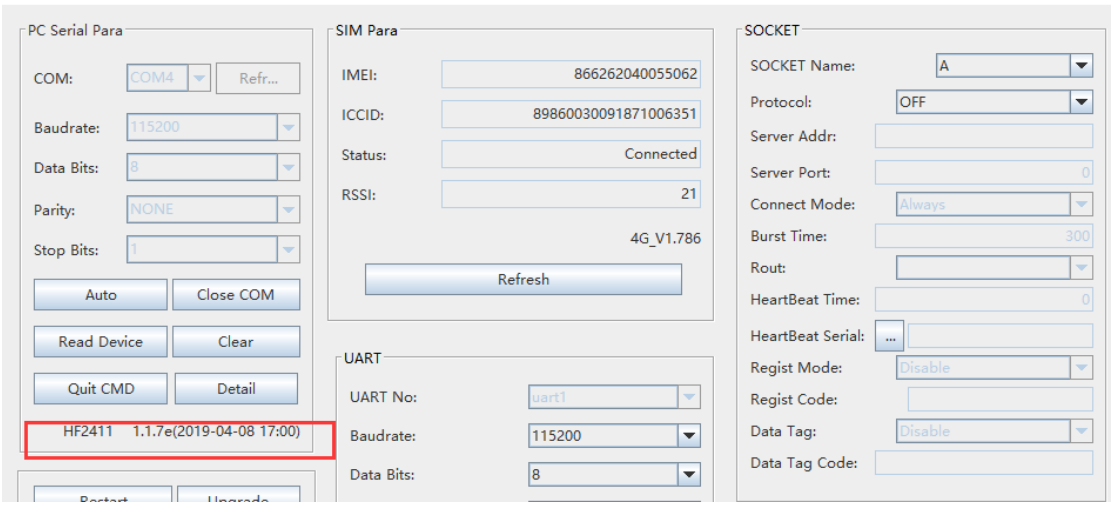
5. HF2411 HARDWARE CONNECTION

5.1. Test

- Connect device as the following pic







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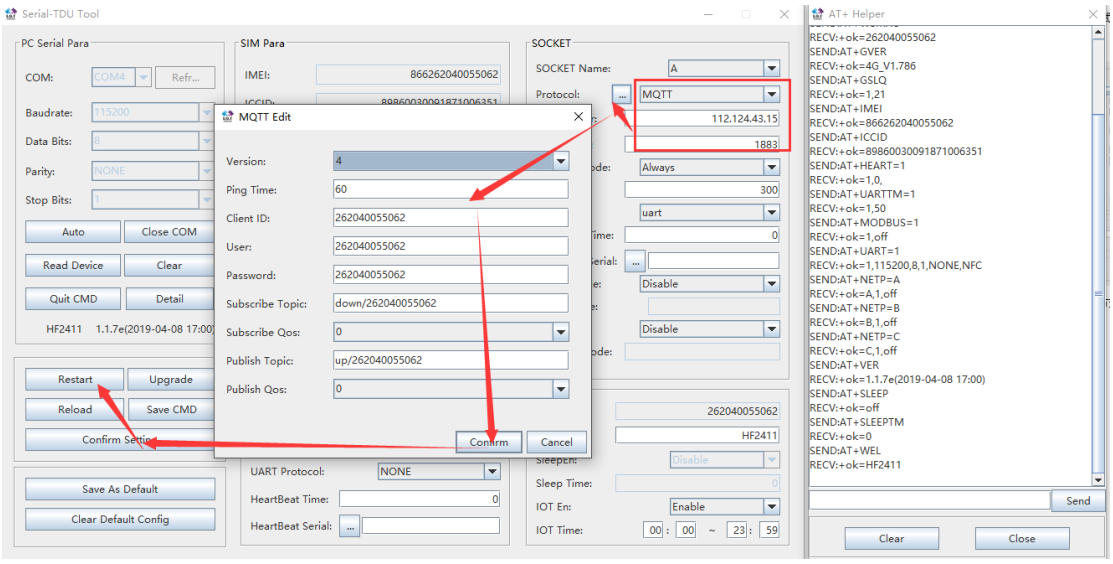
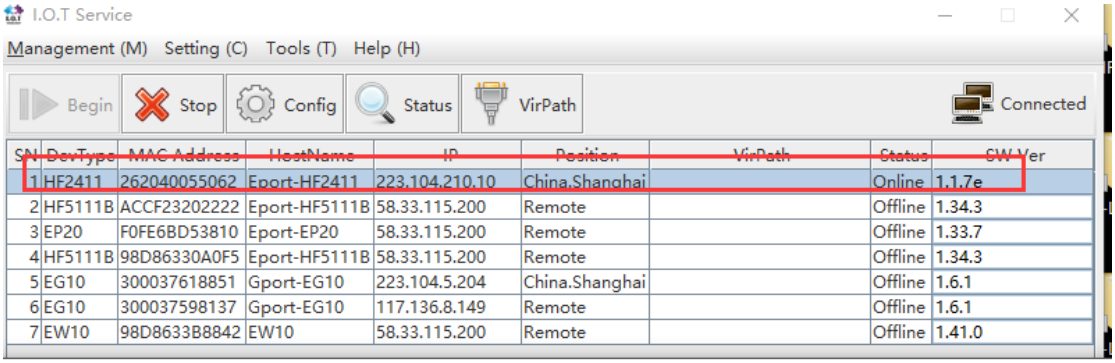
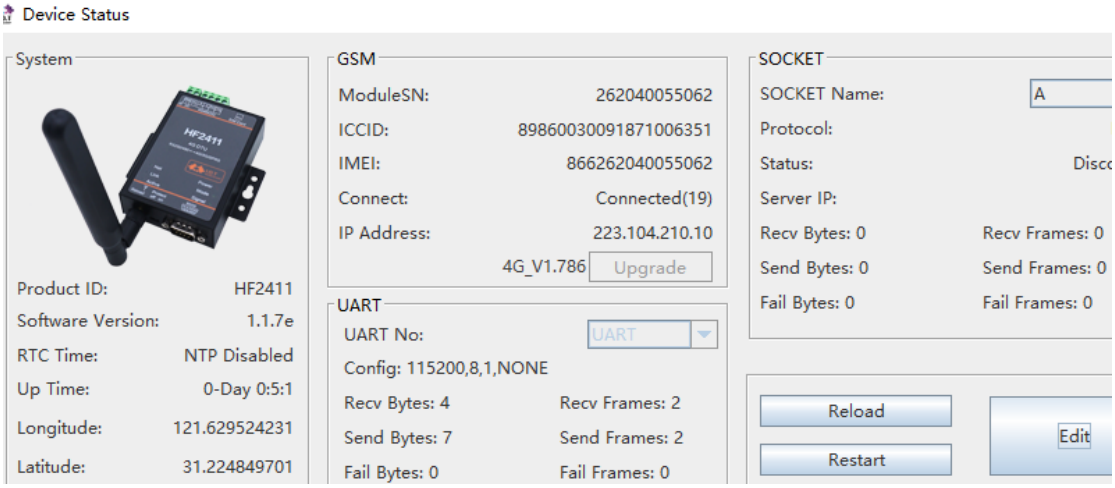


- If device is bound to IOTService, may also config it wirelessly.



SN	DevType	MAC Address	HostName	IP	Position	VirPath	Status	SW Ver
1	HF2411	262040055062	Eport-HF2411	223.104.210.10	China.Shanghai		Online	1.1.7e
2	HF5111B	ACCF23202222	Eport-HF5111B	58.33.115.200	Remote		Offline	1.34.3
3	EP20	F0FE6BD53810	Eport-EP20	58.33.115.200	Remote		Offline	1.33.7
4	HF5111B	98D86330A0F5	Eport-HF5111B	58.33.115.200	Remote		Offline	1.34.3
5	EG10	300037618851	Gport-EG10	223.104.5.204	China.Shanghai		Offline	1.6.1
6	EG10	300037598137	Gport-EG10	117.136.8.149	Remote		Offline	1.6.1
7	EW10	98D8633B8842	EW10	58.33.115.200	Remote		Offline	1.41.0



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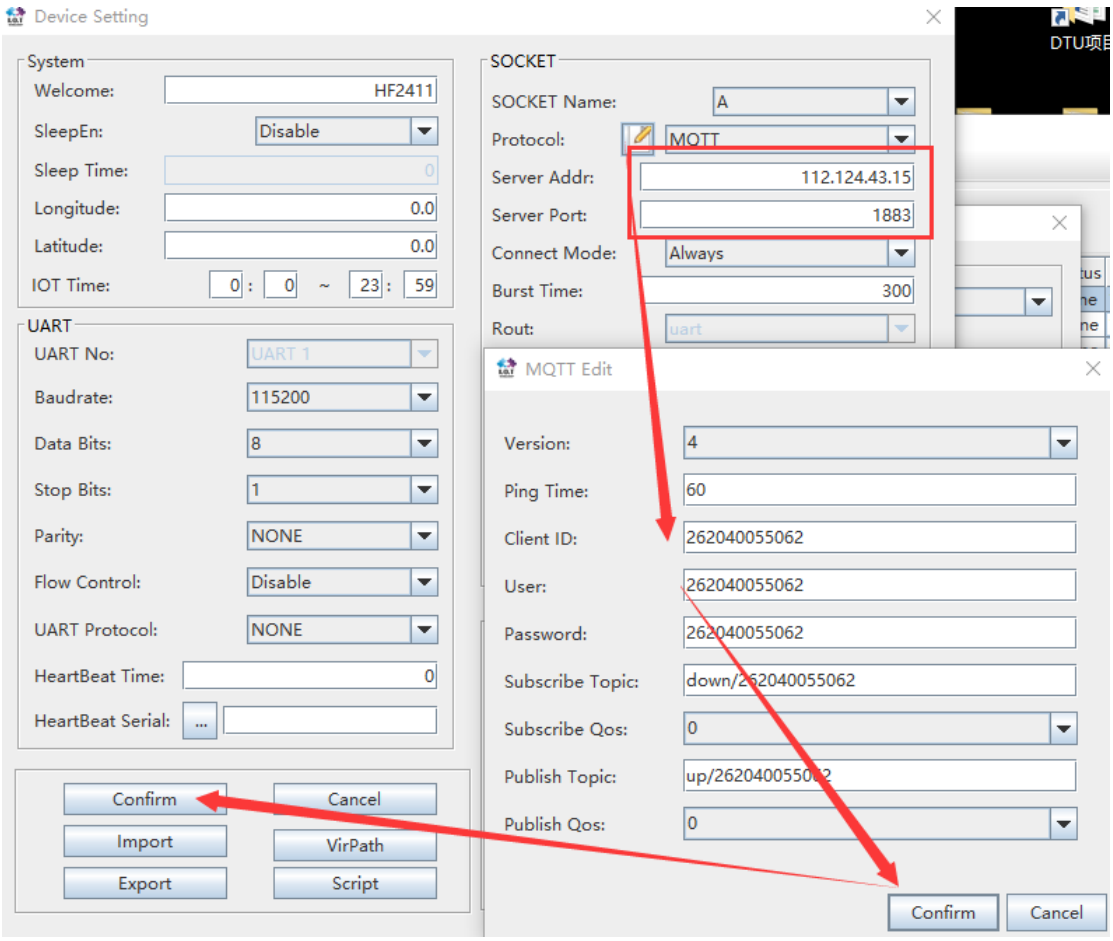

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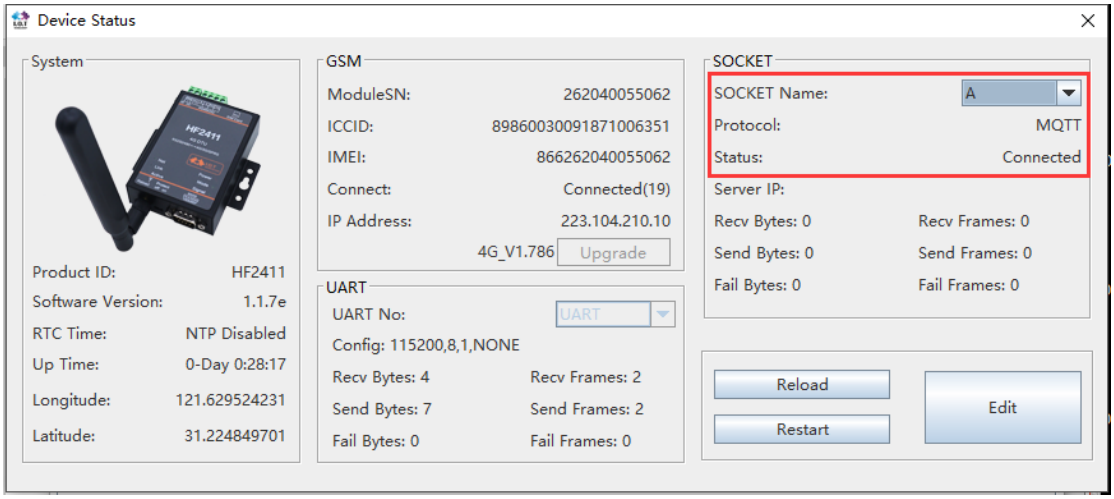

- Open MQTTfx tools, fill in the server information.

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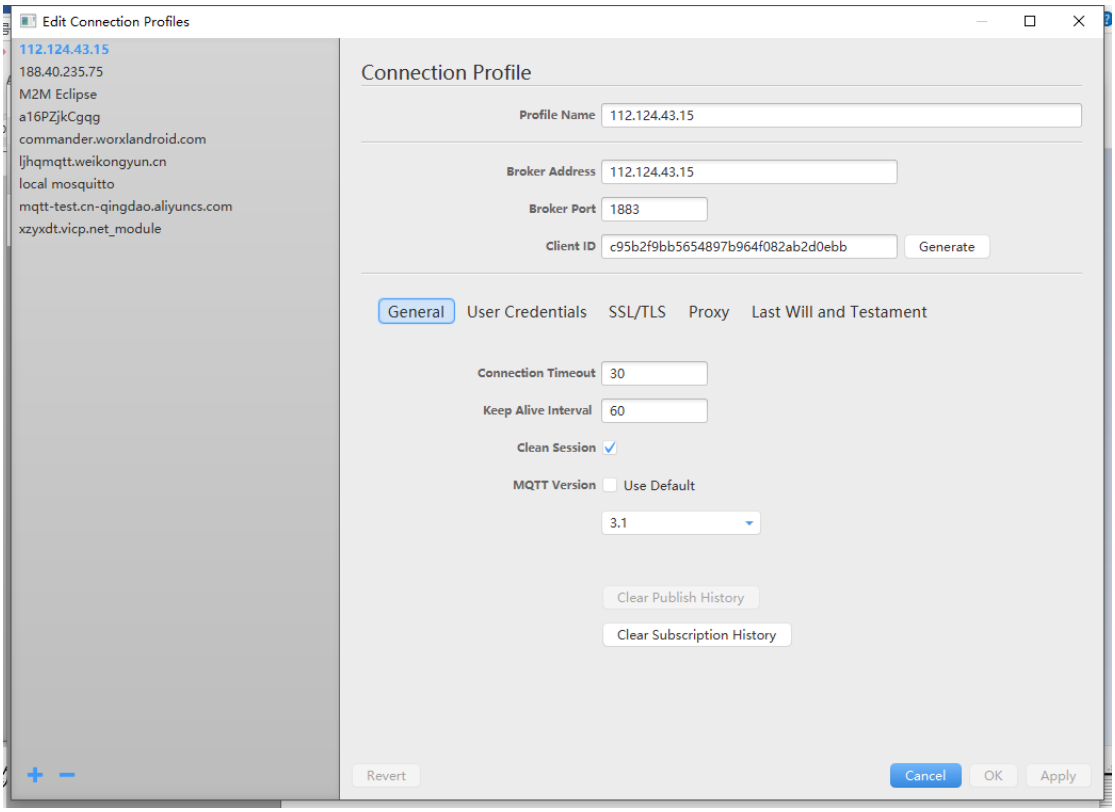

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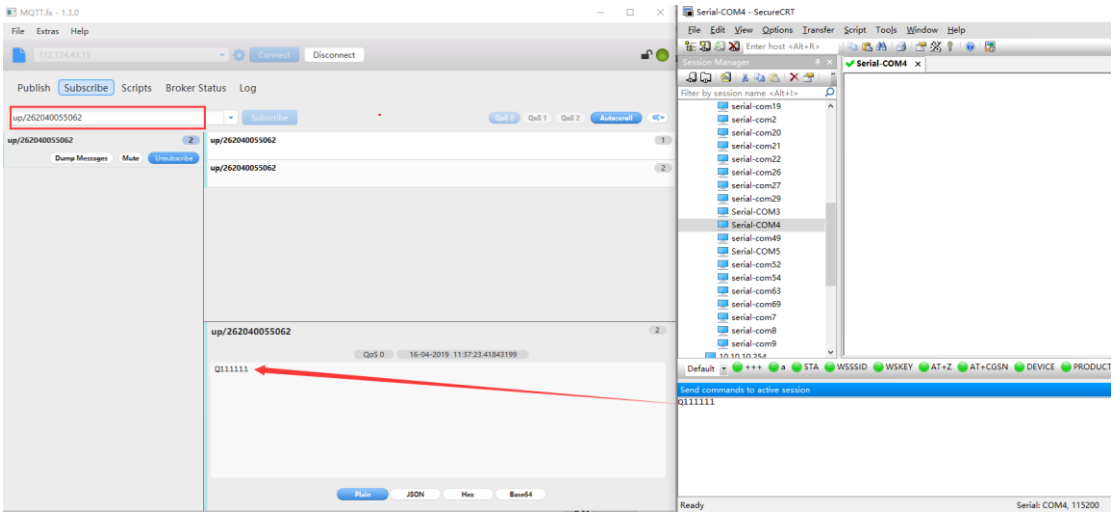

- Set publish topic in the tools (The same with subscribe topic in device), and send data, then the device UART output the data.

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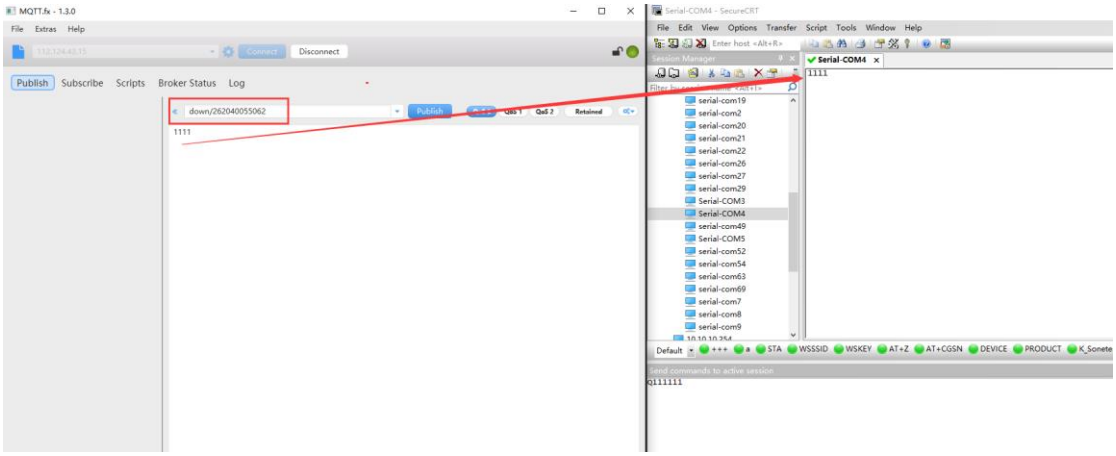

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