WebSocket APPLICATION

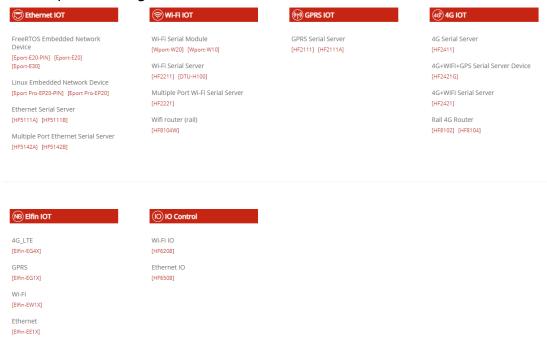
Rev: 1.0

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1. PRODUCT

This document is applicable to the following product, take HF5111B for example, other product usage is much the same.



2. HARDWARE

- HF5111B
- HF2411

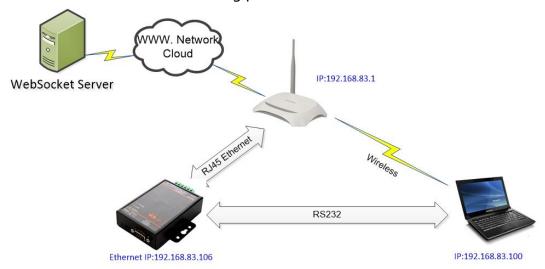
3. SOFTWARE

- IOTService
- UART tools

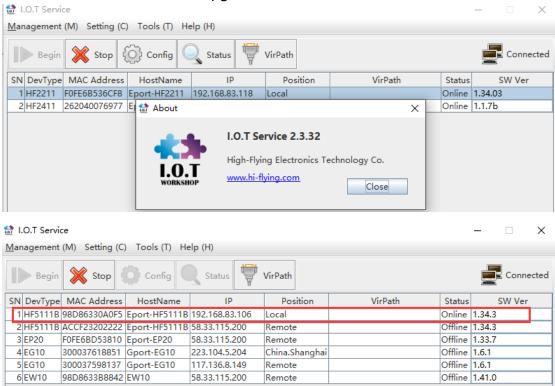
4. HF5111B HARDWARE CONNECTION

4.1. Test

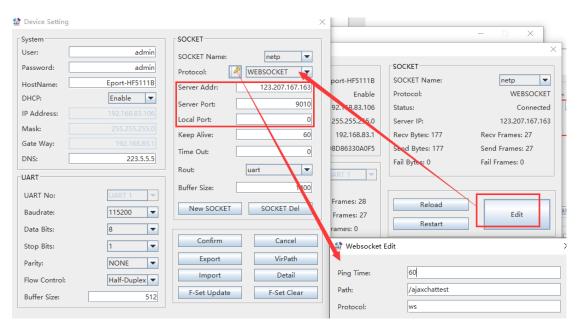
Connect device as the following pic



• Open IOTService tools(Tools at least need 2.3.32 Version), See our HF2211 device, Device firmware need upgrade to at least 1.34.XX.



• Enable netp WebSocket, test server: 123.207.167.163, port: 9010(test link: ws://123.207.167.163:9010/ajaxchattest) local port fill with 0(0 for random port). This test server will response with the same data received.

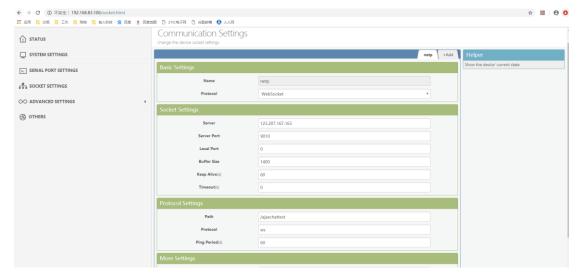


Ping Time: WebSocket Ping interval Unit: second, if server does not allow Ping,fill 0 to disable.

Path: WebSocket Path, test server fill with "/ajaxchattest"

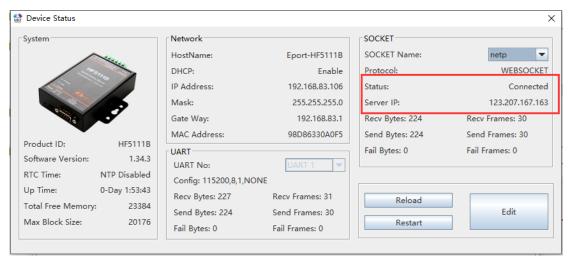
Protocol: Sec-WebSocket-Protocol header, if server does not need it, fill in any content.

• Open webpage, it can also set such information.

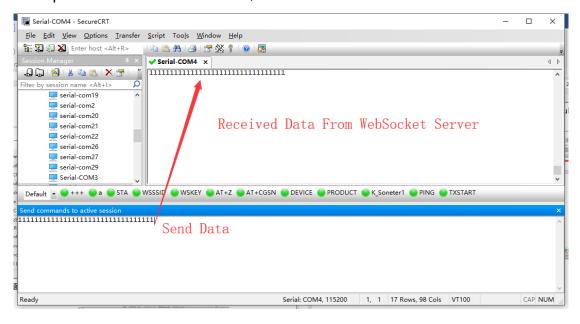


Confirm server status.

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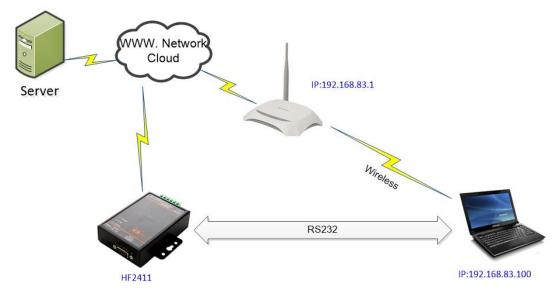
• Open UART tools and send data, the receive area will show the data back.



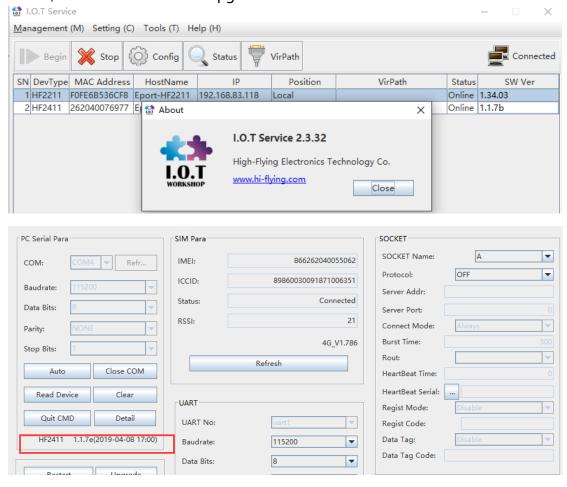
5. HF2411 HARDWARE CONNECTION

5.1. Test

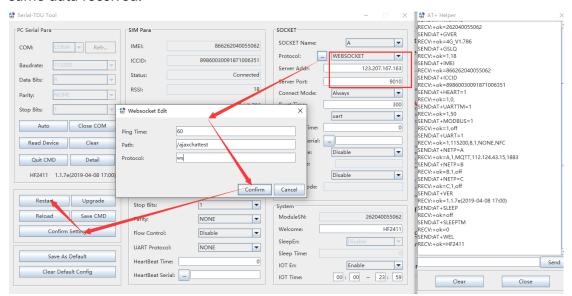
Connect device as the following pic



• Open IOTService tools(Tools at least need 2.3.32 Version), See our HF2411 device, Device firmware need upgrade to at least 1.34.XX.



• Enable WebSocket, test server: 123.207.167.163, port: 9010(test link: ws://123.207.167.163:9010/ajaxchattest). This test server will response with the same data received.

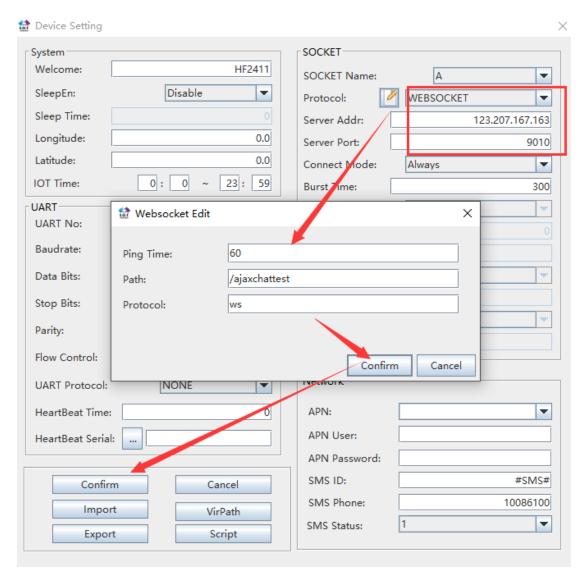


Ping Time: WebSocket Ping interval Unit: second, if server does not allow Ping, fill 0 to disable.

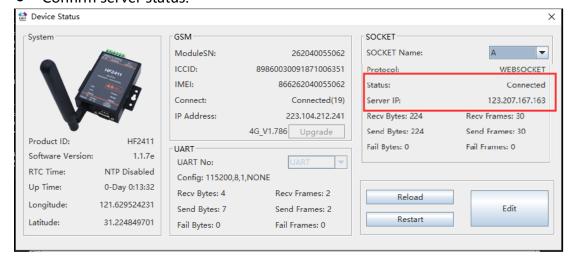
Path: WebSocket Path, test server fill with "/ajaxchattest"

Protocol: Sec-WebSocket-Protocol header, if server does not need it, fill in any content.

If bound to IOTService, also can set it wirelessly.



• Confirm server status.



Open UART tools and send data, the receive area will show the data back.

