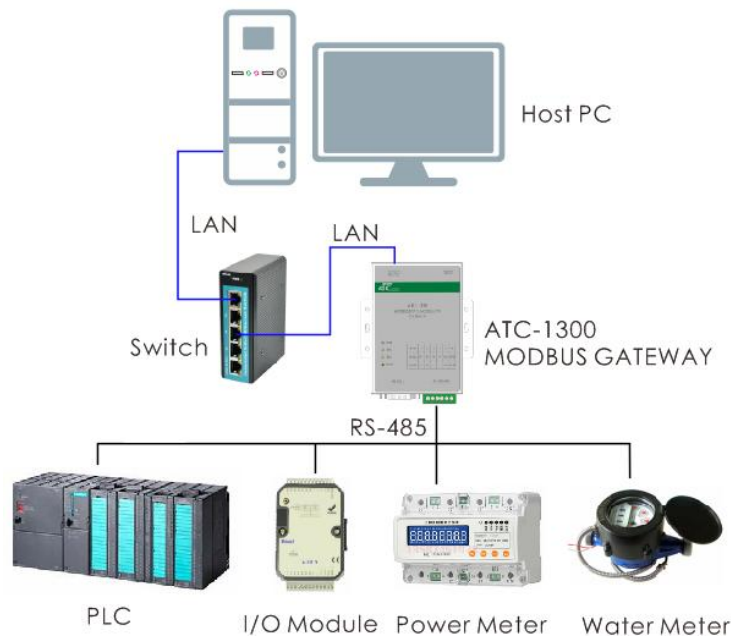


ATC-1300 Modbus Gateway Application Guide

1. Refer to the following application diagram to complete the hardware connection.



2. Make sure all cables are connected properly. Power on the ATC-1300 Modbus Gateway.

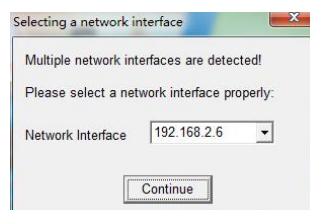
3. Since the default IP address of the ATC-1300 is 192.168.2.125. Therefore, your computer must be configured with the same network segment and no conflicting IP address in the LAN (such as 192.168.2.100).

4. Enter 192.168.2.125 in your browser. Or enter the web page through the configuration software. The following demonstrates the operation through the Configuration Utility.

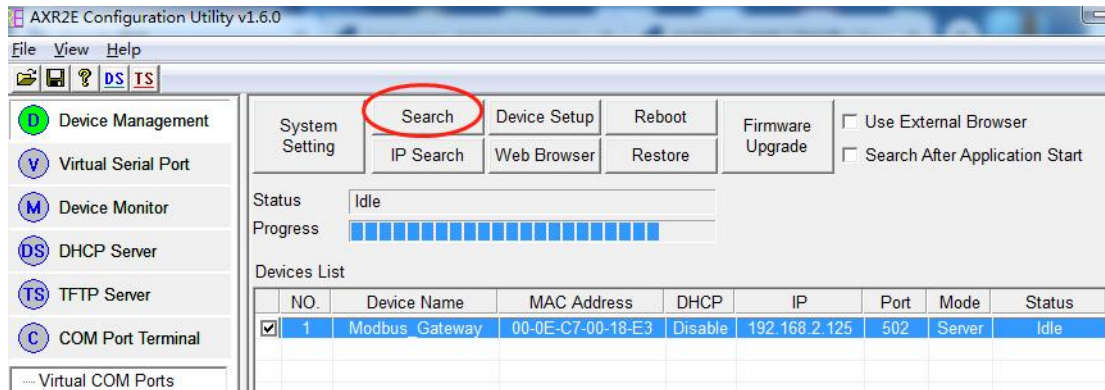
4.1 Download and install the Utility software from the ATC website.

www.szatc.com/download

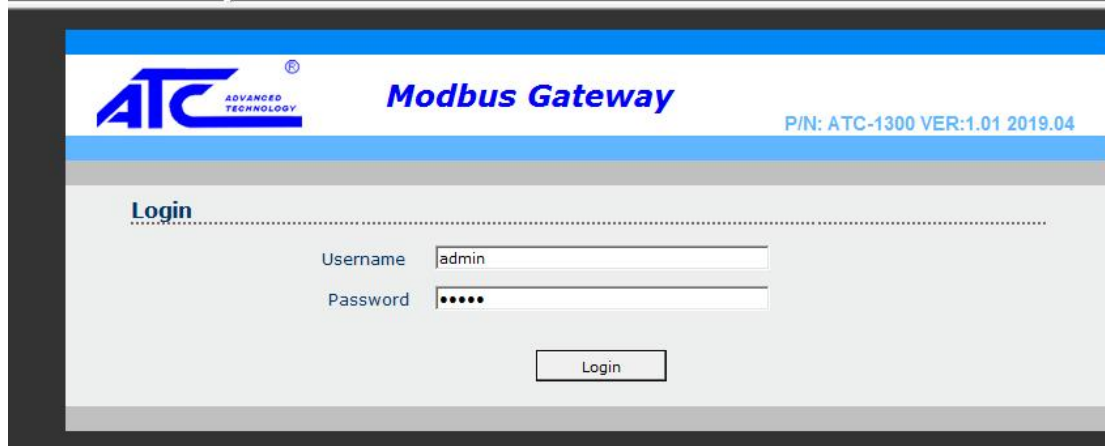
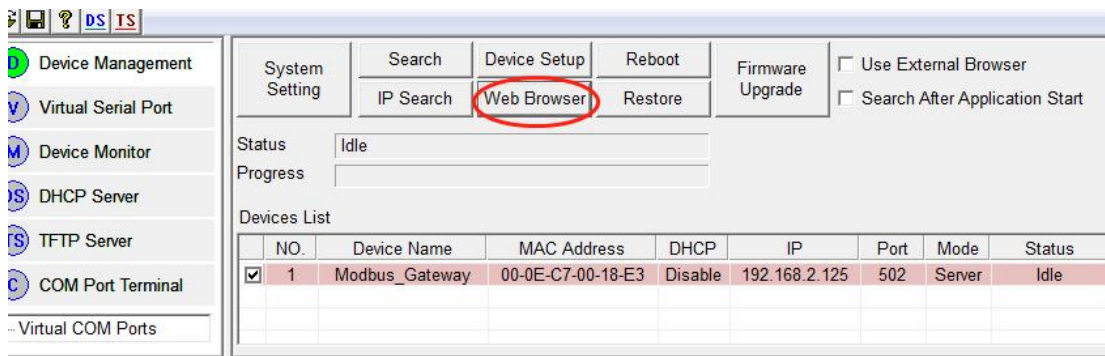
4.2 Open the AXR2E Configuration Utility software. Select IP address to enter the software interface.



4.3 Find the gateway device in the LAN by clicking the search button.



4.4 Select the gateway in the Device List and click the Web Browser button to enter the web page.



4.5 Input Default Usermane: admin ; Default Password: admin . Click Login button enter to webpage.

4.6 On the Basic option of the webpage. You can set the serial port parameters and IP address of the gateway. Usually only need to configure the serial port parameters and the IP address, port number can be used normally.

Logout

Basic

Advance

Security

Serial Settings

Device Name

Data Baud Rate

Data Bits

Data Parity

Stop Bits

Flow Control

Serial Type

Network Settings

DHCP Client

Static IP Address

Static Subnet Mask

Static Default Gateway

Static DNS Server

Connection Type

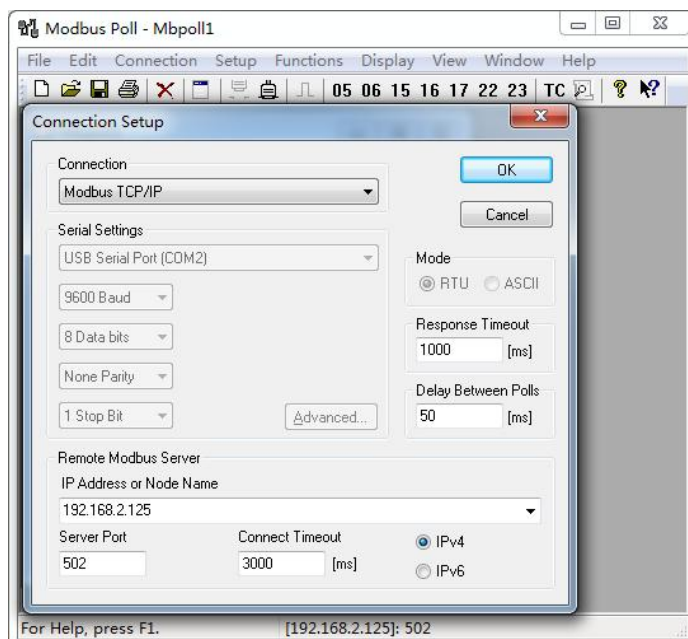
Transmit Timer
Please enter an integer between 10~65535 ms

Server/Client Mode

Server Listening Port
Please enter an integer between 1~65535

4.7 When you set the parameters are finished. First click on the Apply button and then click on the Reboot button. Let the parameters take effect.

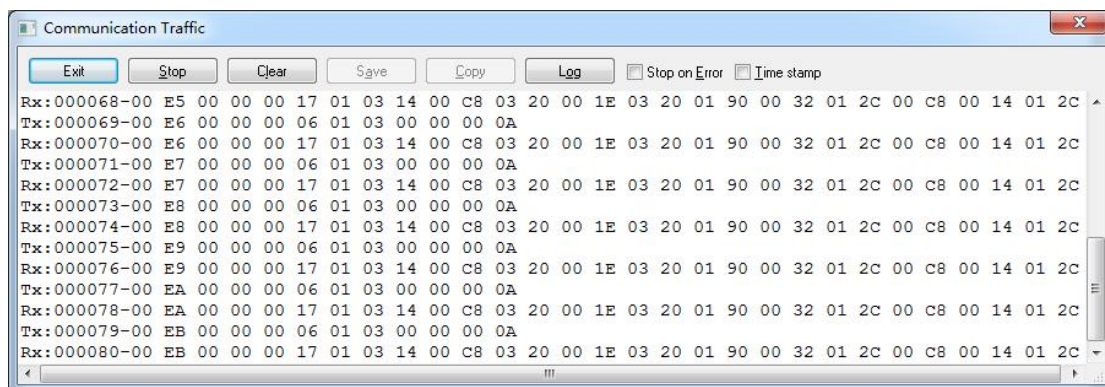
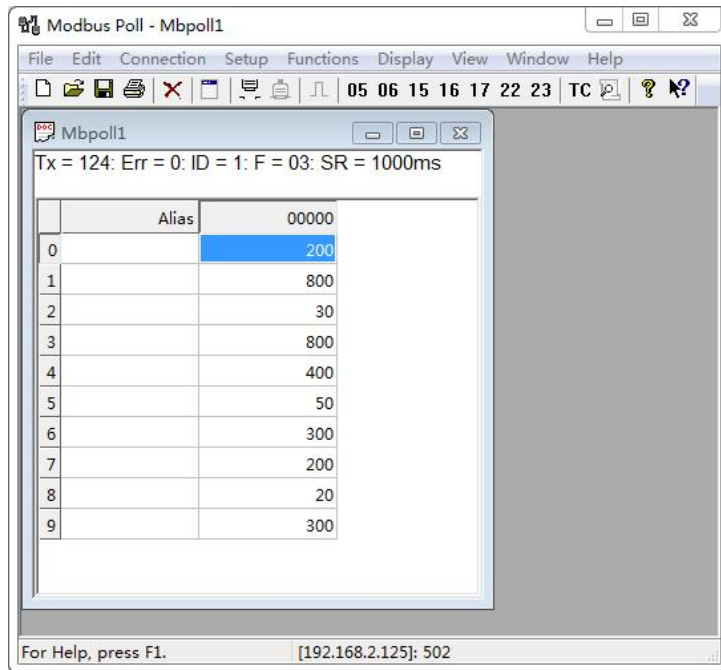
5. It is possible to test communication on the third party software.



The screenshot shows the 'Modbus Poll - Mbpoll1' application window. A 'Connection Setup' dialog box is open, displaying the following settings:

- Connection:** Modbus TCP/IP
- Serial Settings:**
 - USB Serial Port (COM2)
 - 9600 Baud
 - 8 Data bits
 - None Parity
 - 1 Stop Bit
- Mode:** RTU (selected), ASCII
- Response Timeout:** 1000 [ms]
- Delay Between Polls:** 50 [ms]
- Remote Modbus Server:**
 - IP Address or Node Name: 192.168.2.125
 - Server Port: 502
 - Connect Timeout: 3000 [ms]
 - IPv4 (selected), IPv6

Buttons for 'OK' and 'Cancel' are visible. At the bottom of the dialog, it says 'For Help, press F1.' and '[192.168.2.125]: 502'.



Tested by a third-party tool ModbusPoll. All communications are true and normal.

Contact us

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