



Serial RS232 to Ethernet / WiFi Gateway

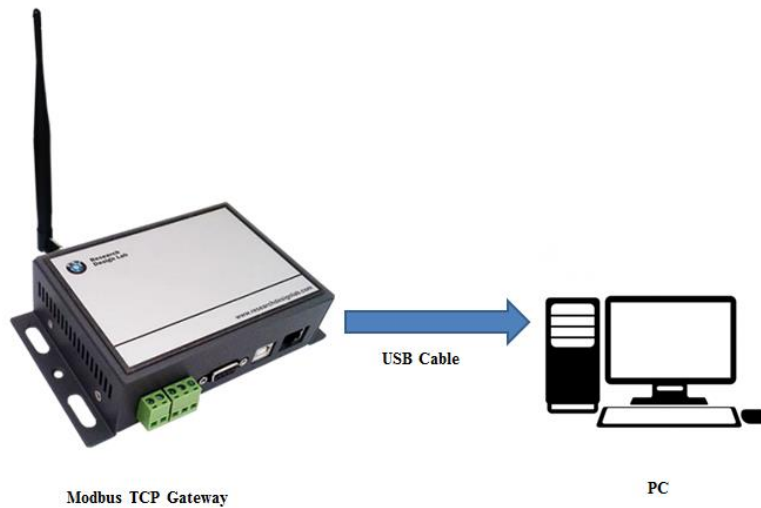
ORDER CODE: RDL849

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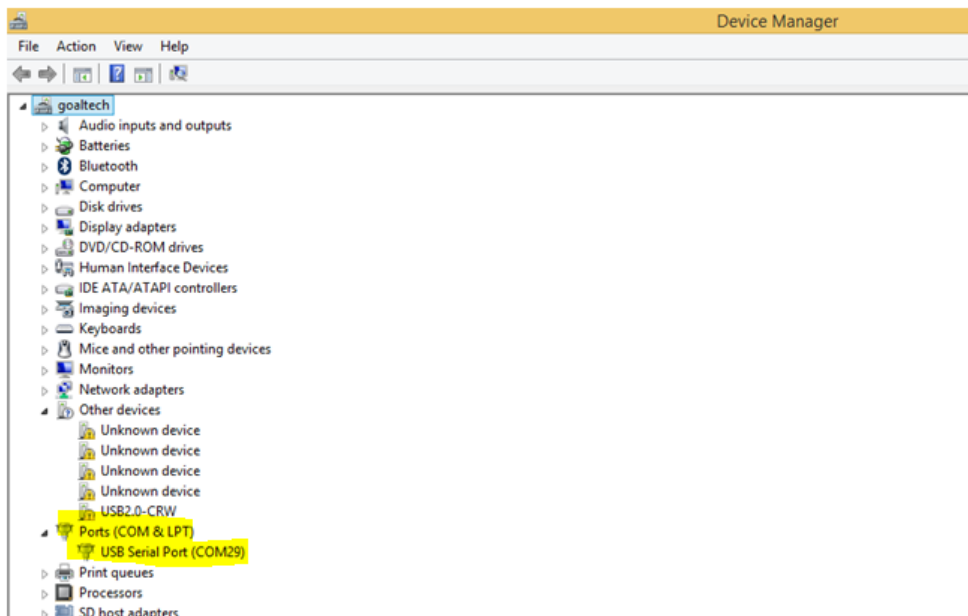
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1. COM Port Settings:

This should be the initial step before using the data logger configuration manager



Step 1: Connect the USB Port to the configuration system as shown above



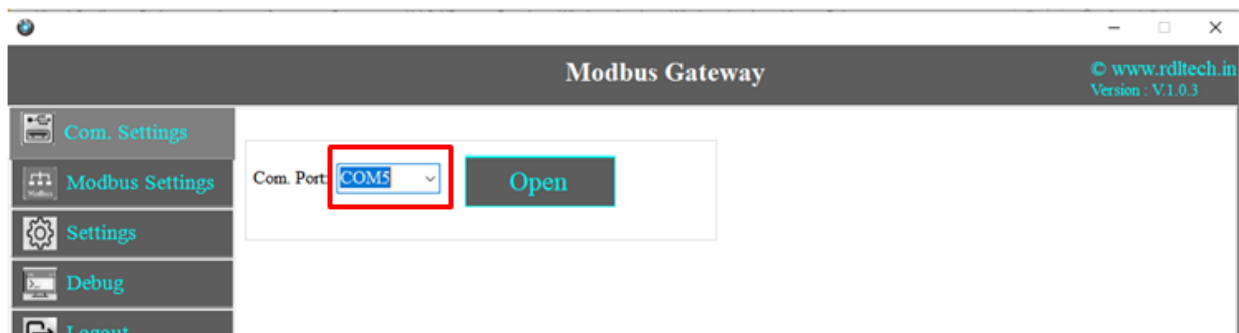
Step 2: Check the COM Port → Device Manager → Ports as shown above

NOTE: Ensure that you have the FTDI Com port driver loaded. Please download and install from the link provided below if it is not installed. Link: <https://www.ftdichip.com/Drivers/VCP.htm>

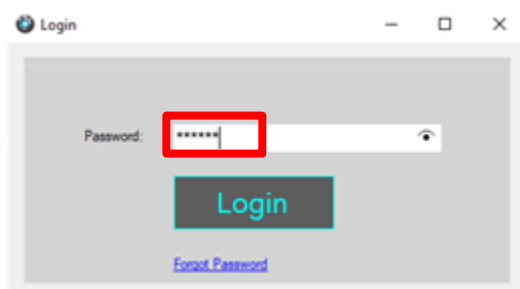
Step 3: Download and install the Modbus TCP Gateway Software by clicking on the link below.

Software Link:

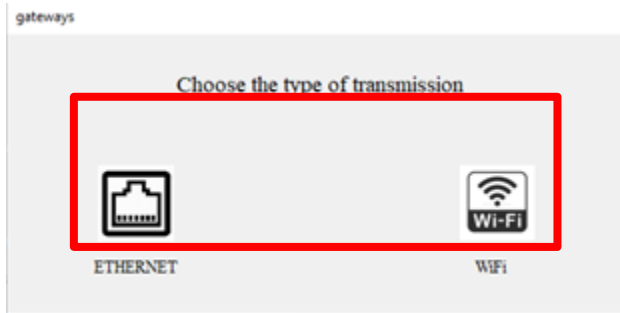
https://drive.google.com/file/d/1PGPWLWXArcDwYpJnCO5be7GmisQS2RB_/view?usp=sharing



Step 4: Select the **Com Port** and Click on **Open**.



Step 5: Enter the Default Password “**RDL123**” and click on **Login**.

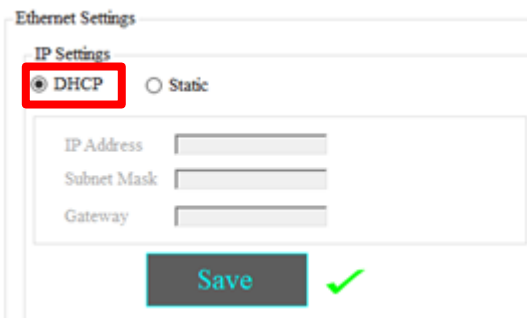


Step 6: Choose the type of Transmission **Ethernet** or **WiFi**



Step 7: Select RS485 or RS232

Step 8: Enter the Baud Rate, Data Bit, Parity and Stop Bit and click on Save Button.



Step 9: Under Ethernet Settings select any one of the IP Settings either DHCP or Static.



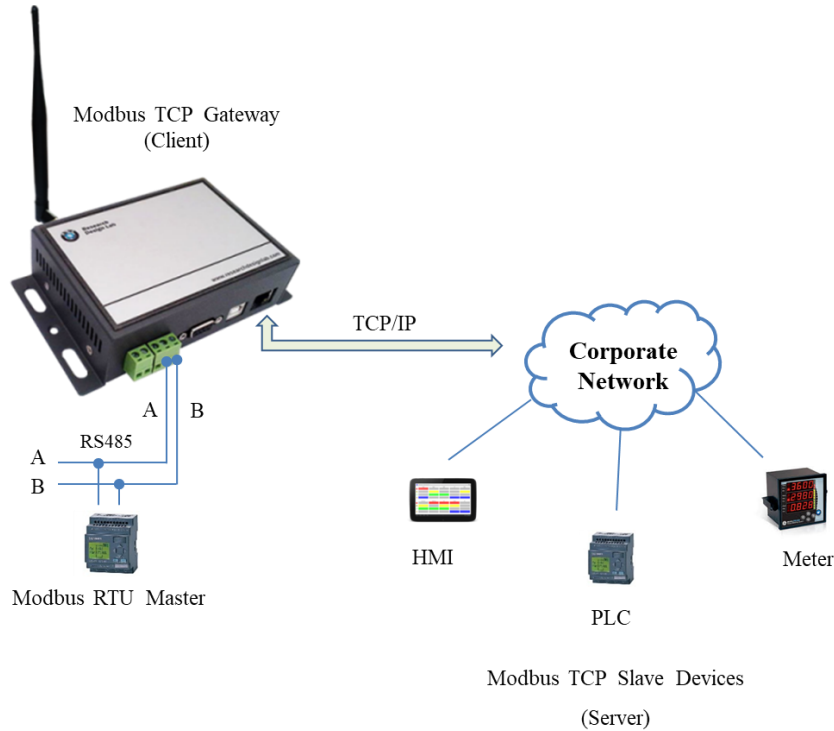
The screenshot shows the 'Ethernet Settings' window. Under the 'IP Settings' section, the 'Static' radio button is selected and highlighted with a red box. Below this, there are three input fields: 'IP Address' with the value '192 168 1 5', 'Subnet Mask' with '255 255 255 0', and 'Gateway' with '192 168 1 251'. A 'Save' button with a green checkmark is positioned below these fields. Further down, there is a 'Mac Address' field with the value 'DE : AD : BE : EF : FE : ED' and another 'Save' button with a green checkmark.

Step 10: For Static IP Settings, Enter the IP Address, Subnet Mask and Gateway and click on Save Button.

Step 11: Enter the Mac Address and Click on Save Button.

2. Modbus Settings

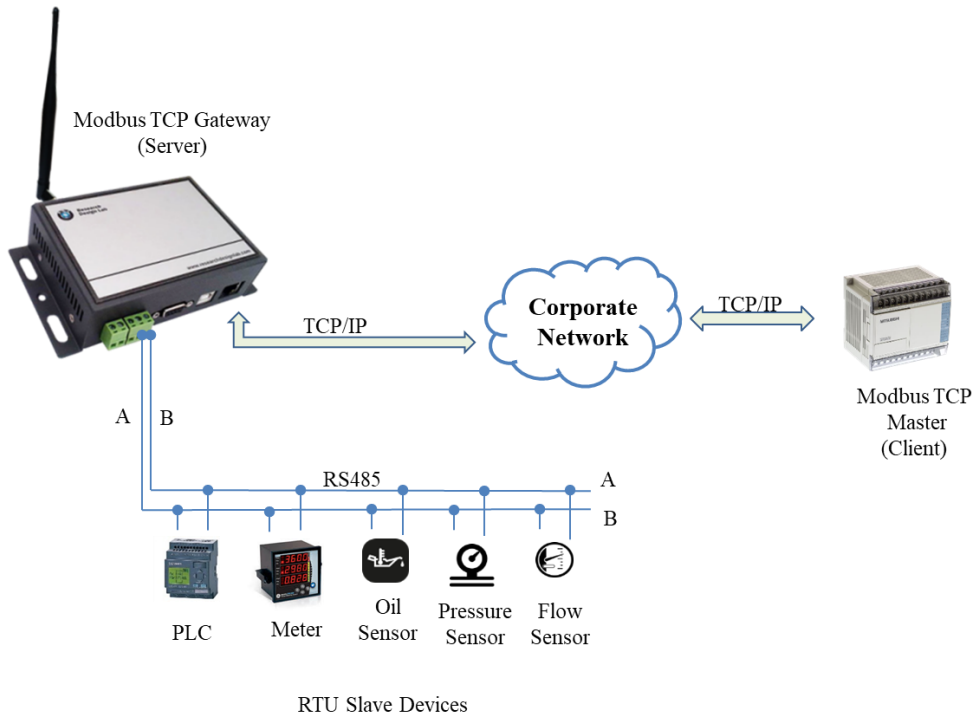
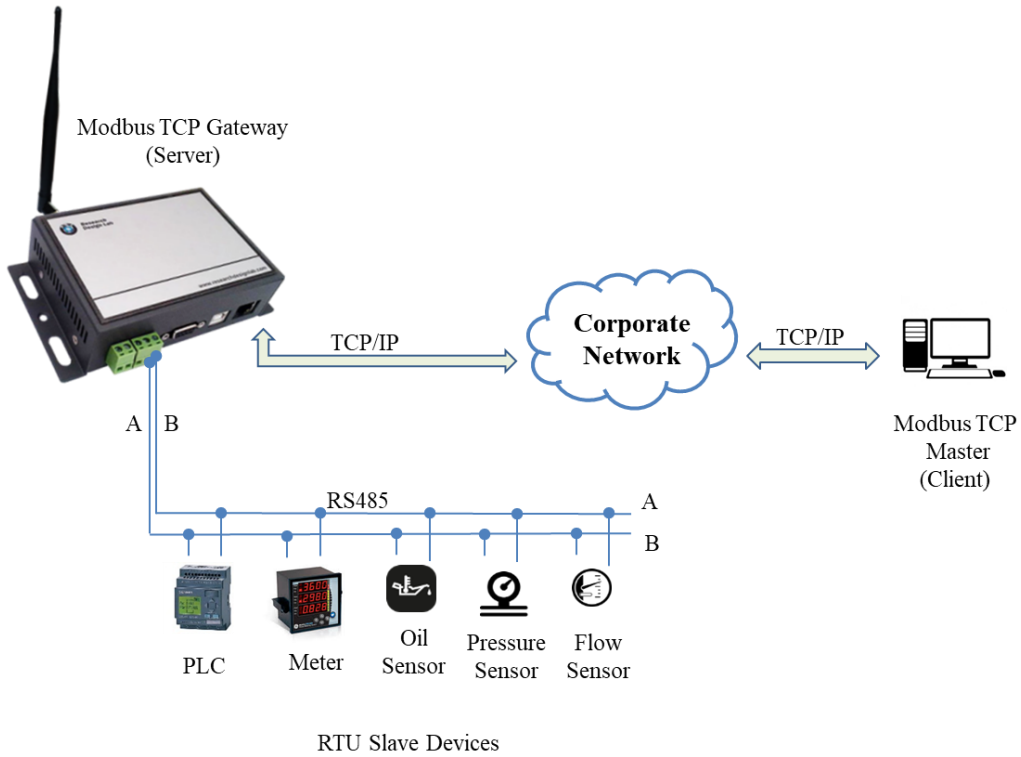
2.1 Modbus TCP Client

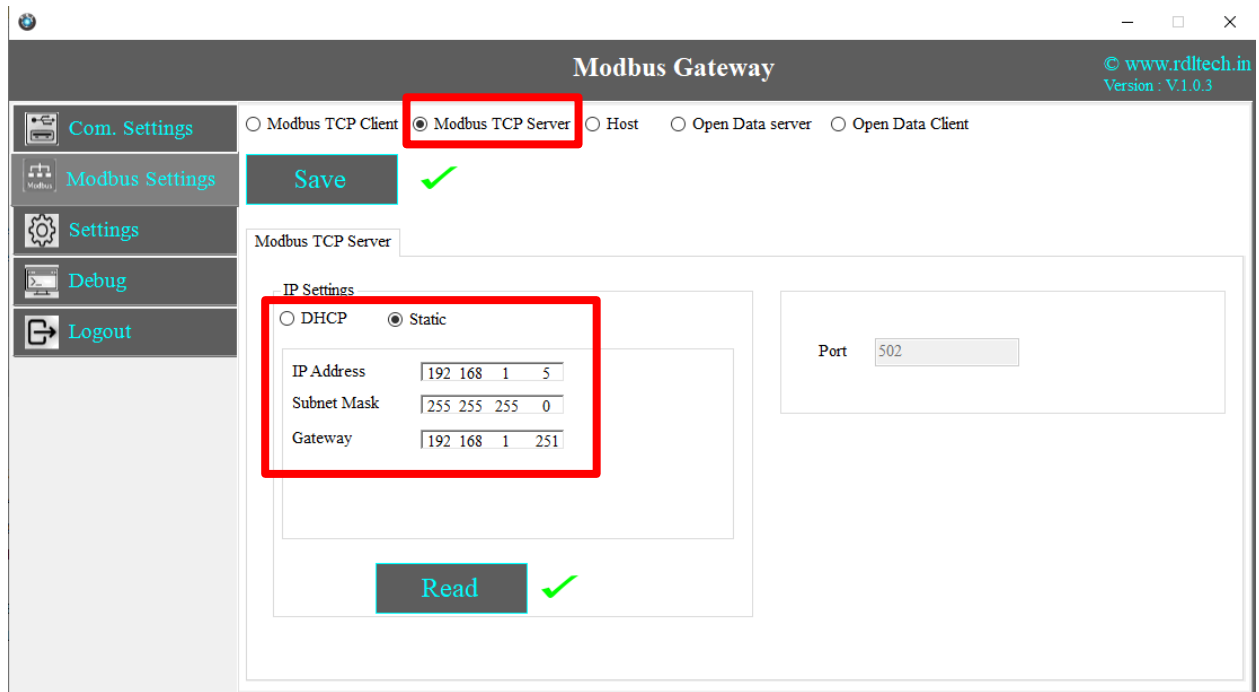


Step 1: Select Modbus TCP Client and click on Save Button.

Step 2: Enter the IP Address and Port and Click on Save.

2.2 Modbus TCP Server:

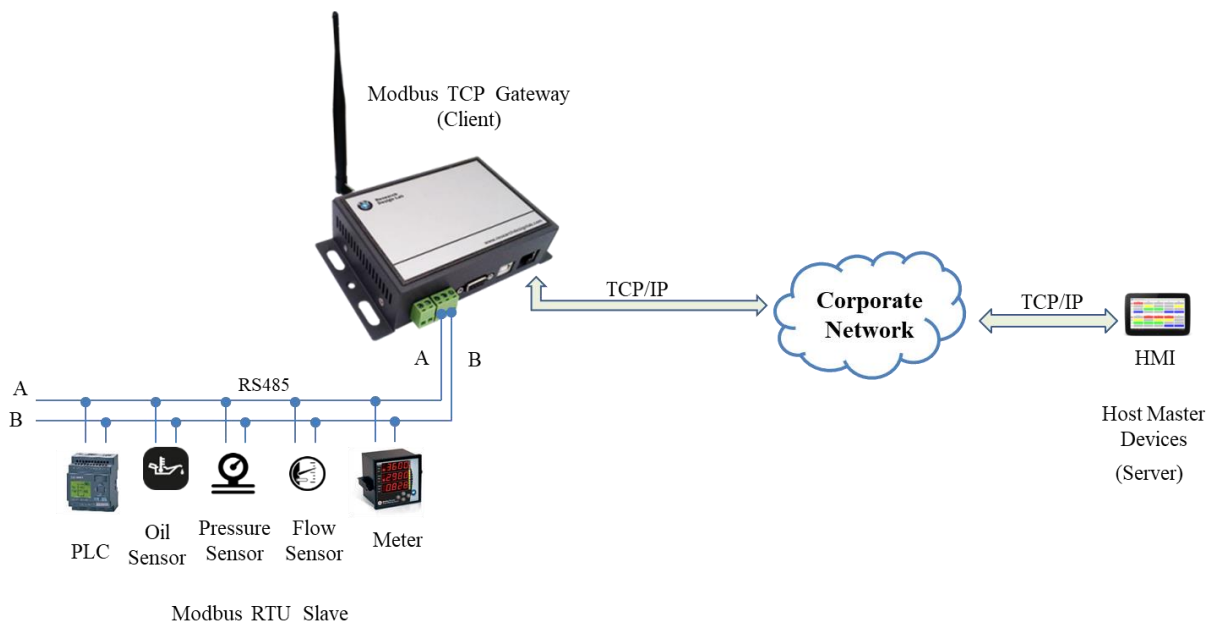


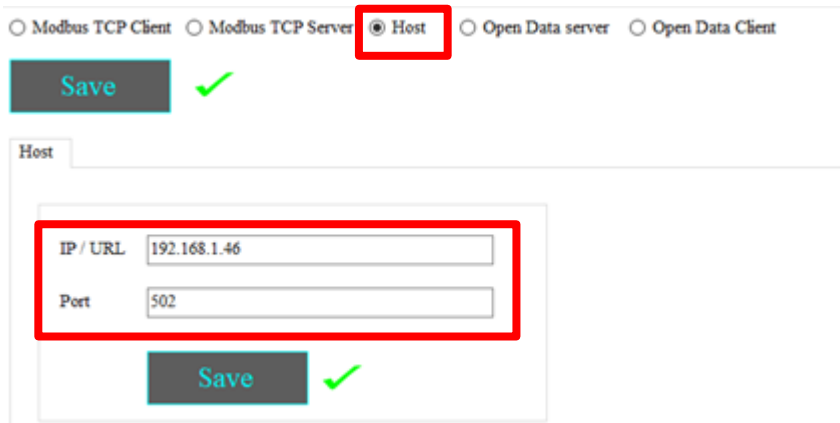


Step 1: Select Modbus TCP Server and click on Save Button.

Step 2: Select IP Setting, if Static then enter the IP Address, Subnet Mask and Gateway and Click on Save Button.

2.3 Host

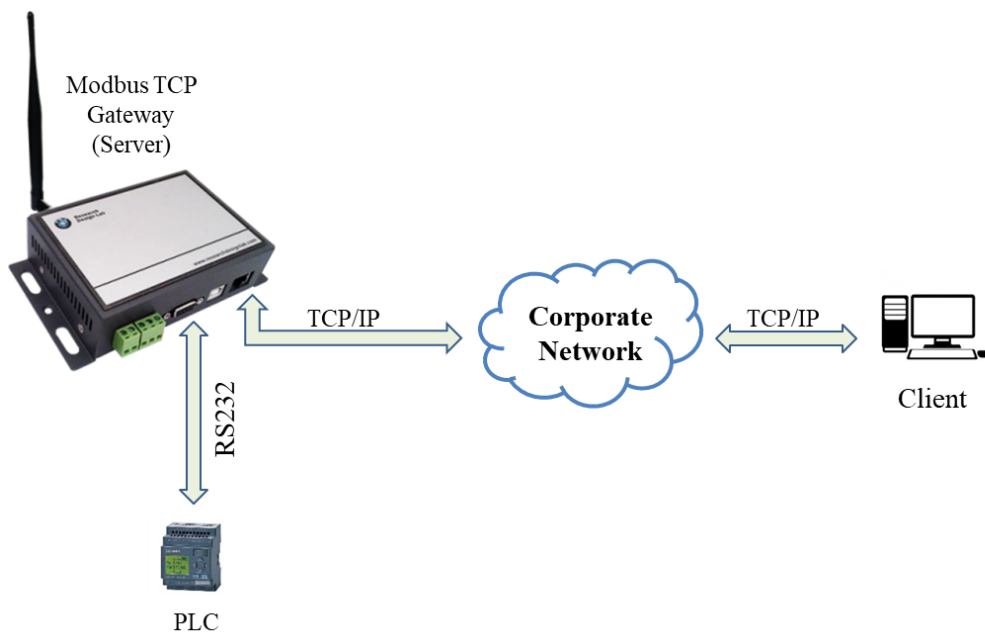




Step 1: Select the Host and click on Save Button.

Step 2: Enter the IP/URL and Port number and click on Save Button.

2.4 Open Data Server

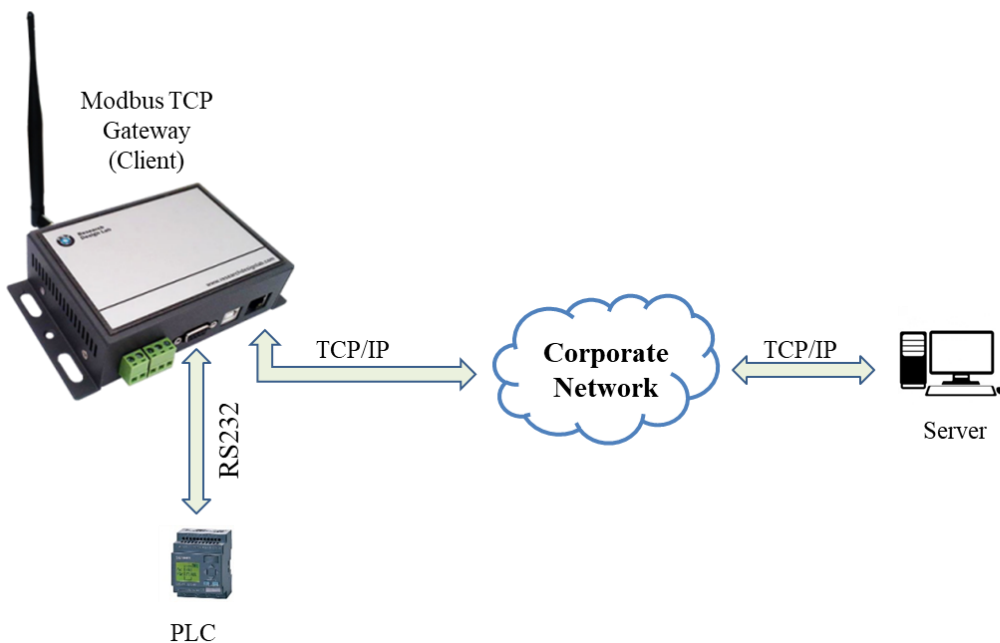




Step 1: Select the Open Data Server and click on Save Button.

Step 2: Select IP Setting ,if Static then enter the IP Address, Subnet Mask and Gateway and Click on Save Button.

2.5 Open Data Client



Modbus TCP Client Modbus TCP Server Host Open Data server Open Data Client

Save ✓

Open Data Client

IP / URL

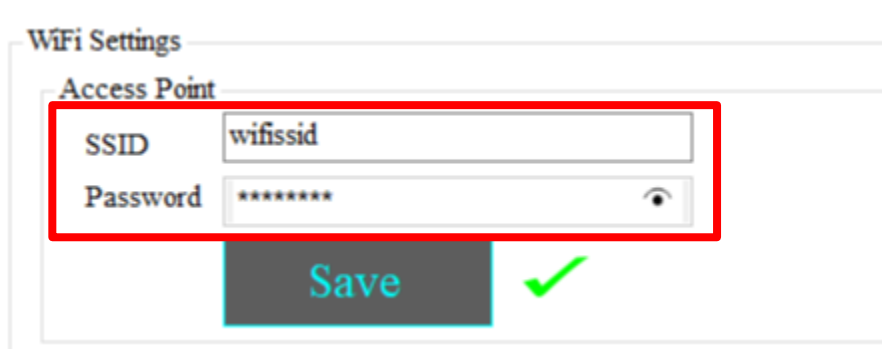
Port

Read ✓

Step 1: Select the Open Data Client and click on Save Button.

Step 2: Enter the IP/URL and Port number and click on Save Button.


3. WiFi Settings




WiFi Settings

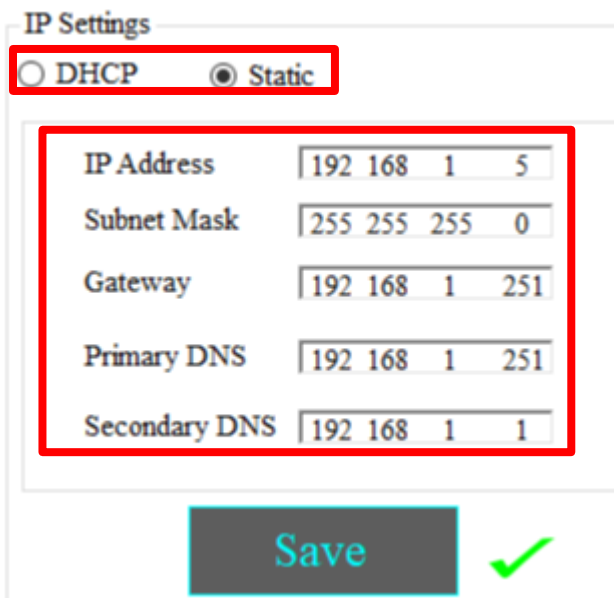
Access Point

SSID

Password 



Step 1: Enter the WiFi SSID and Password and click on Save Button.



IP Settings

DHCP Static


IP Address

Subnet Mask

Gateway

Primary DNS

Secondary DNS



Step 2: Select the Static IP Settings.

Step 3: Enter the IP Address, Subnet Mask, Gateway, Primary DNS, Secondary DNS and Click on Save Button.

IP Settings

DHCP Static


IP Address

Subnet Mask

Gateway

Primary DNS

Secondary DNS



Step 4: Select DHCP and Click on Save.

4. Settings

4.1 Change Password



Step 1: Enter the Current Password and then Create a New Password.

4.2 Profile Settings



Step 1: Enter the Email Address and click on Save Button.

4.3 Firmware Update



Step 1: Click on Firmware Update, to update the Firmware.

4.4 Factory Reset



Step 1: Click on Factory Default to restore the factory default configuration settings.