



MODBUS TCP Gateway

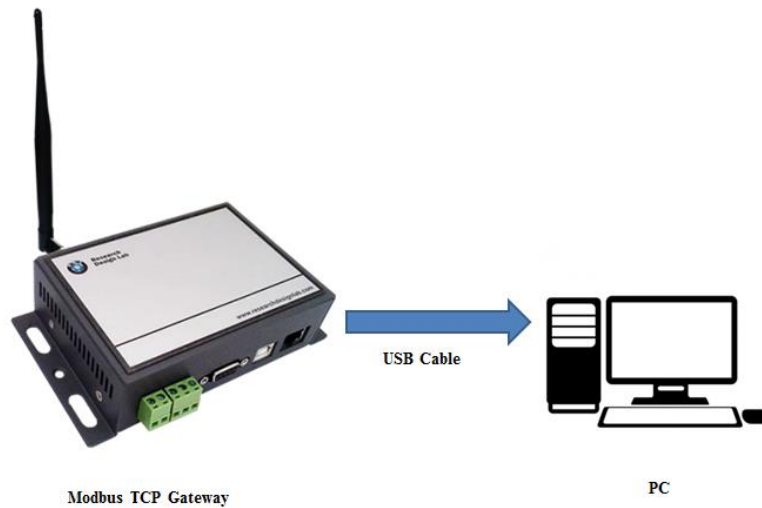
ORDER CODE: RDL799

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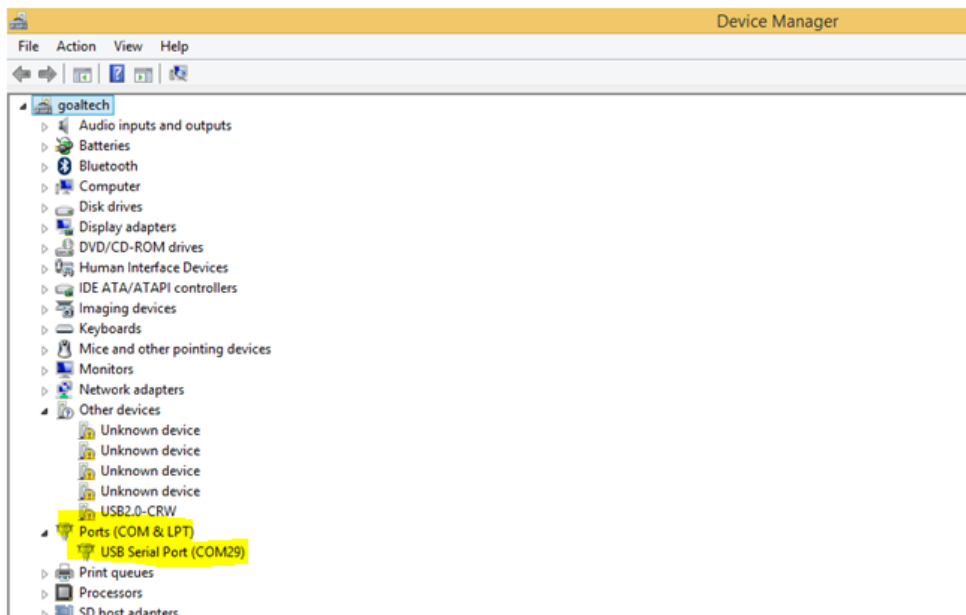
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1. COM Port Settings:

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



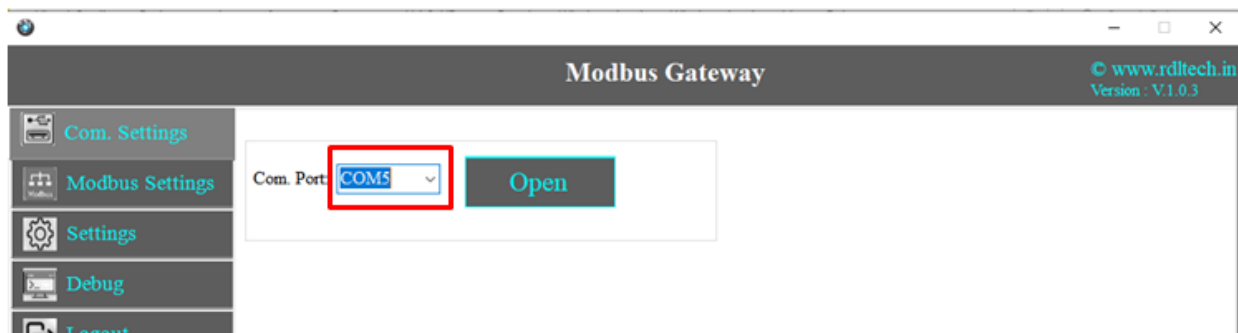
Step 2: Check the **COM Port** → **Device Manager** → **Ports** as shown above

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>

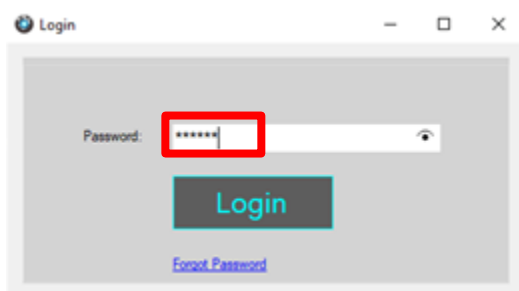
Step 3: Download and install the Modbus TCP Gateway Software by clicking on the link below.

Software Link:

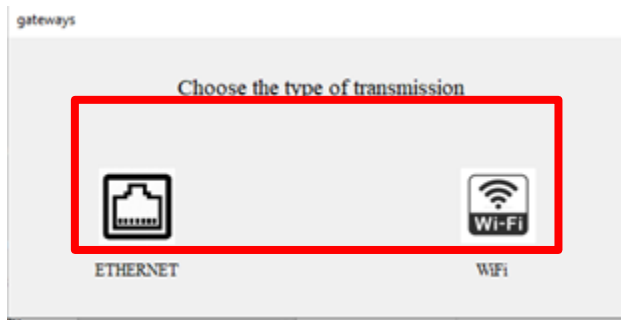
https://drive.google.com/file/d/1PGPWLWXArcDwYpJnCO5be7GmisQS2RB_/view?usp=sharing



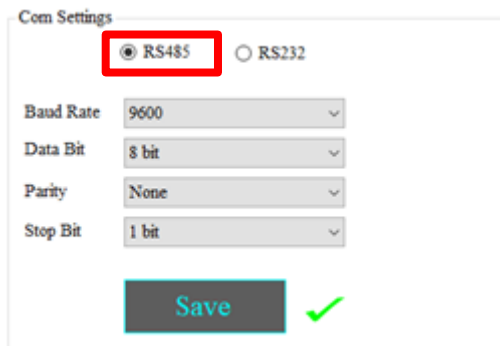
Step 4: Select the **Com Port** and Click on **Open**.



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

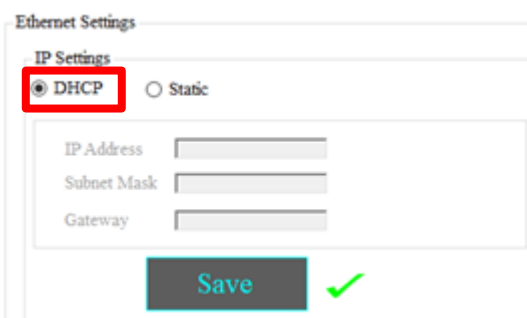


Step 6: Choose the type of Transmission **Ethernet** or **WiFi**

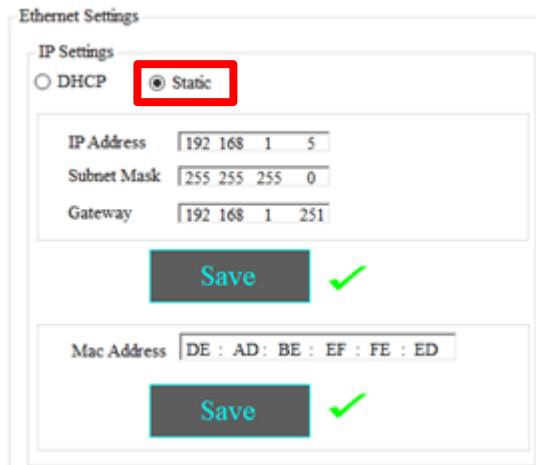


Step 7: Select RS485 or RS232

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.



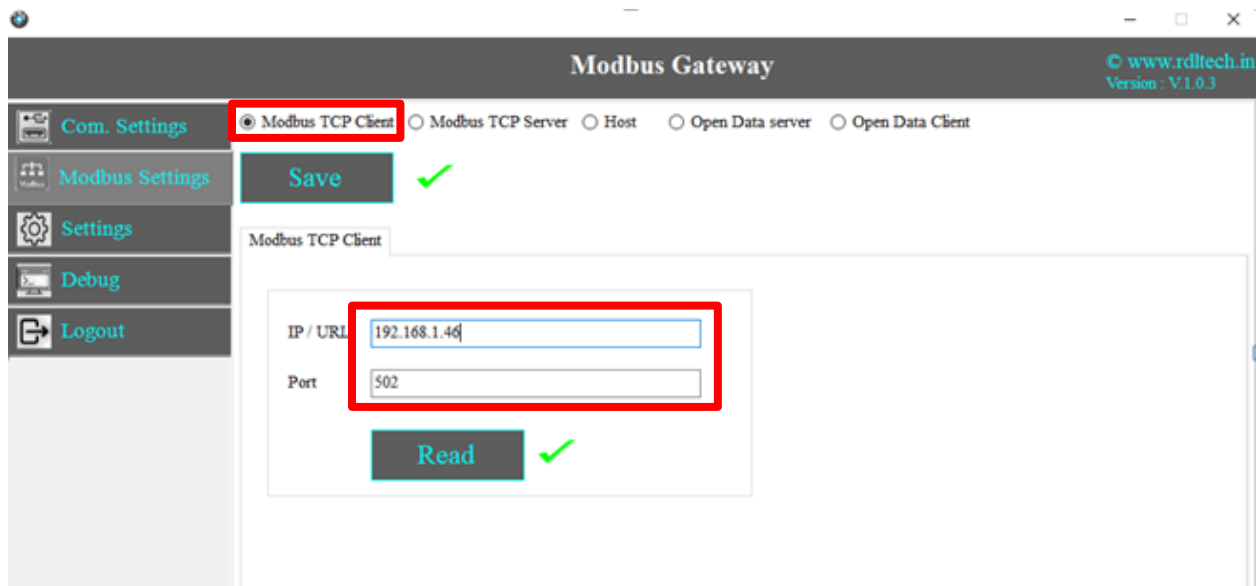
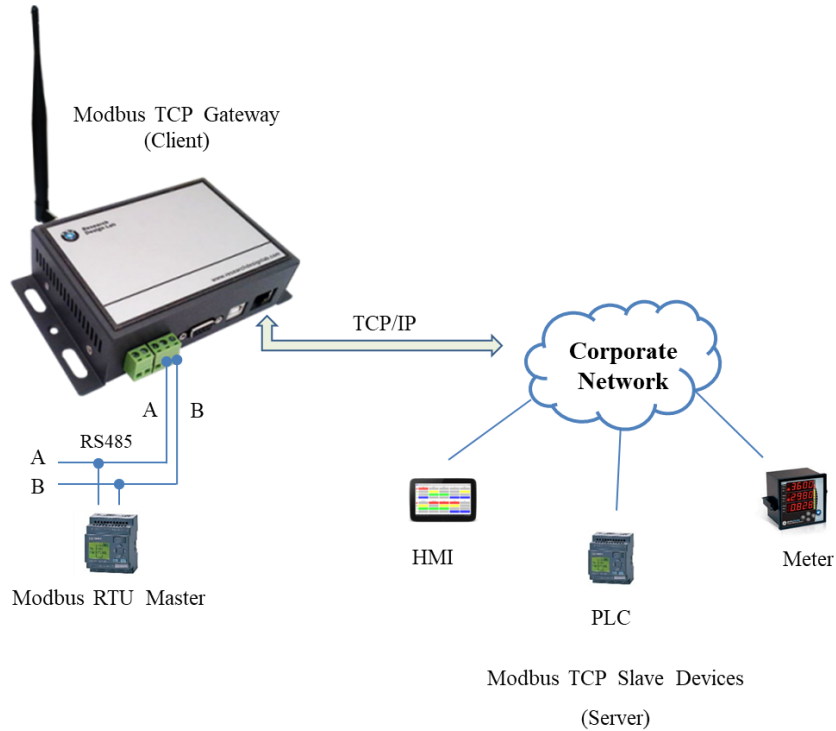
The screenshot shows the 'Ethernet Settings' window. Under 'IP Settings', the 'Static' radio button is selected and highlighted with a red rectangle. Below it, the IP Address is set to 192.168.1.5, Subnet Mask to 255.255.255.0, and Gateway to 192.168.1.251. A 'Save' button with a green checkmark is next to these fields. Below the IP settings, the Mac Address is set to DE : AD : BE : EF : FE : ED, with another 'Save' button and 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

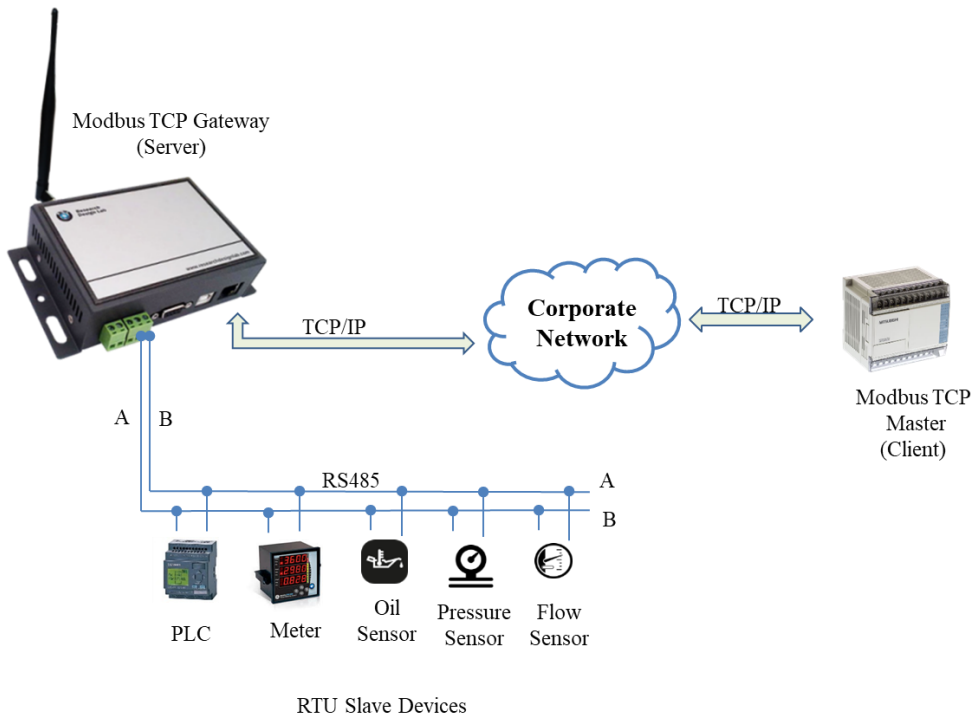
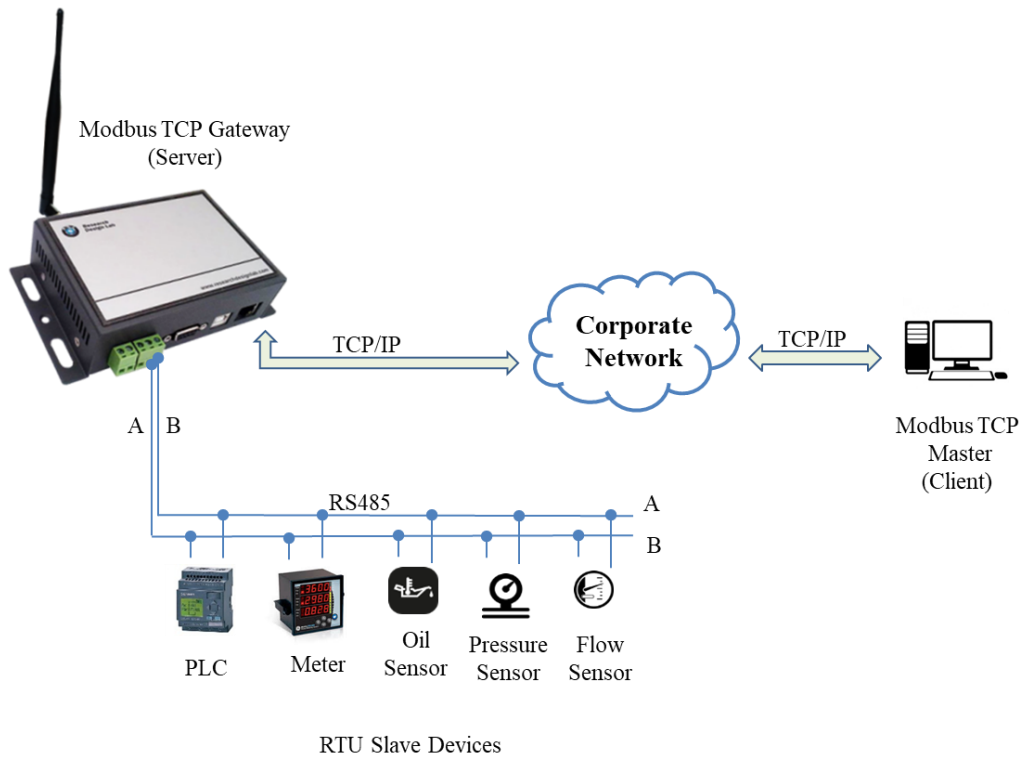
2.1 Modbus TCP Client

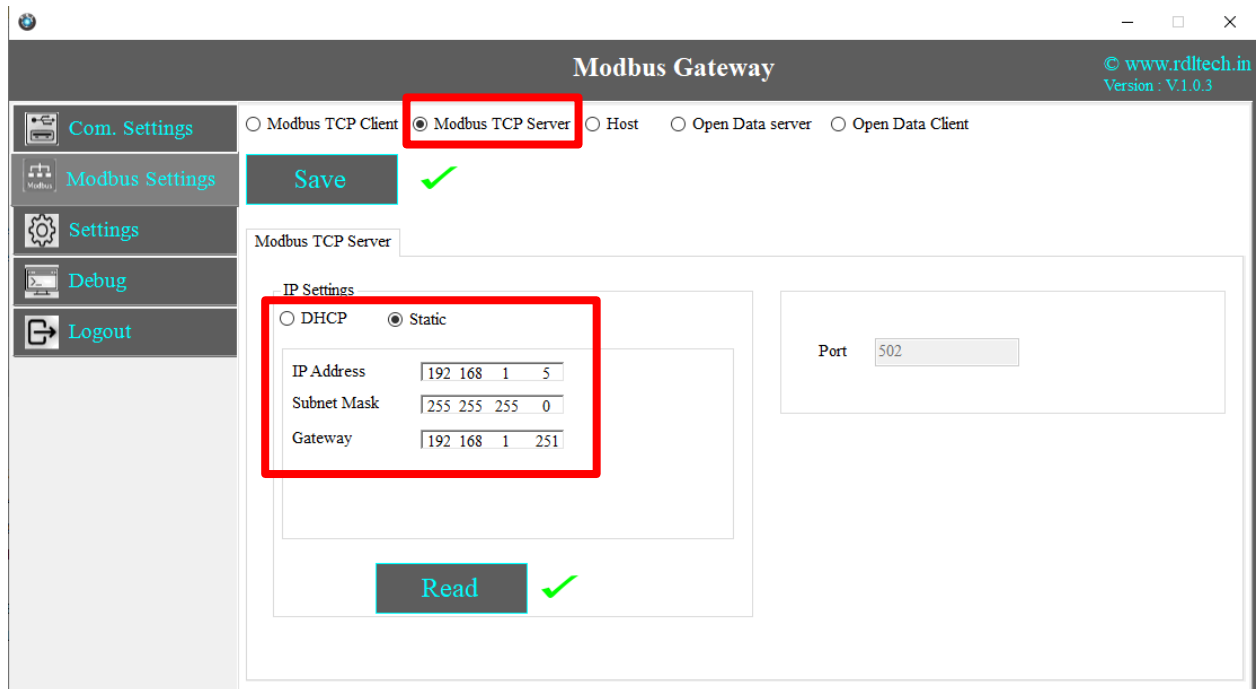


Step 1: Select Modbus TCP Client and click on Save Button.

Step2: Enter the IP Address and Port and Click on Save.

2.2 Modbus TCP Server:

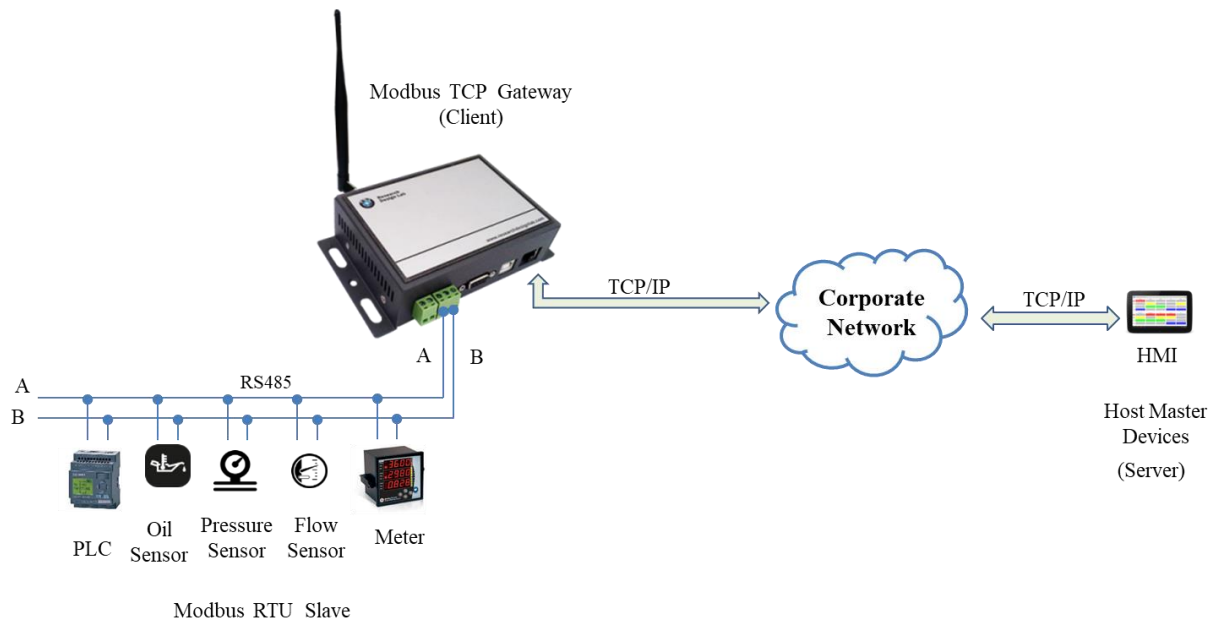




Step 1: Select Modbus TCP Server and click on Save Button.

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

2.3 Host



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

Save ✓

Host

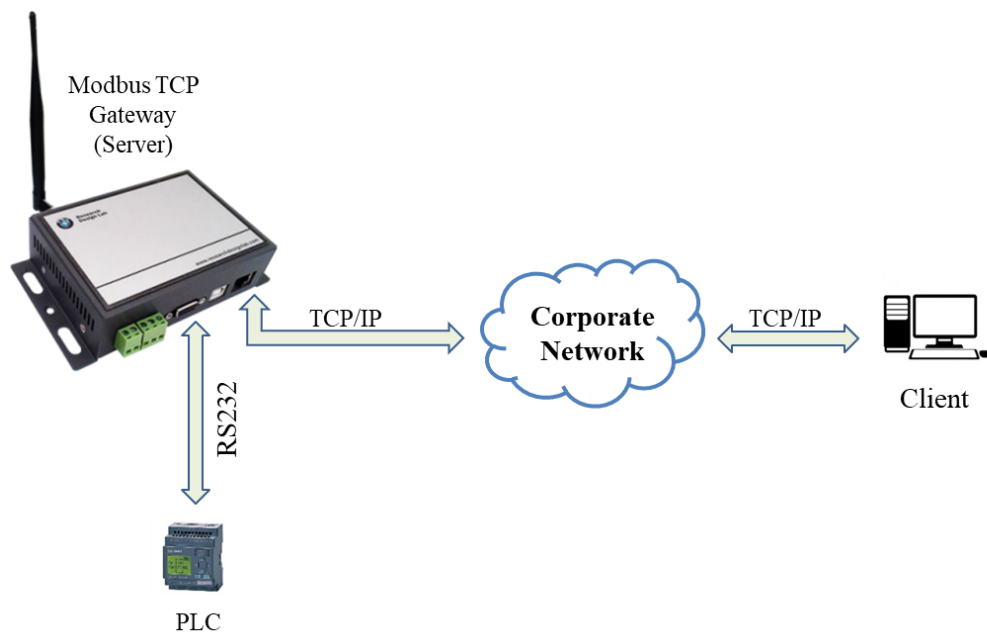
IP / URL: 192.168.1.46
 Port: 502

Save ✓

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



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

Save ✓

Open Data server

IP Settings

☐ DHCP
 ☒ Static

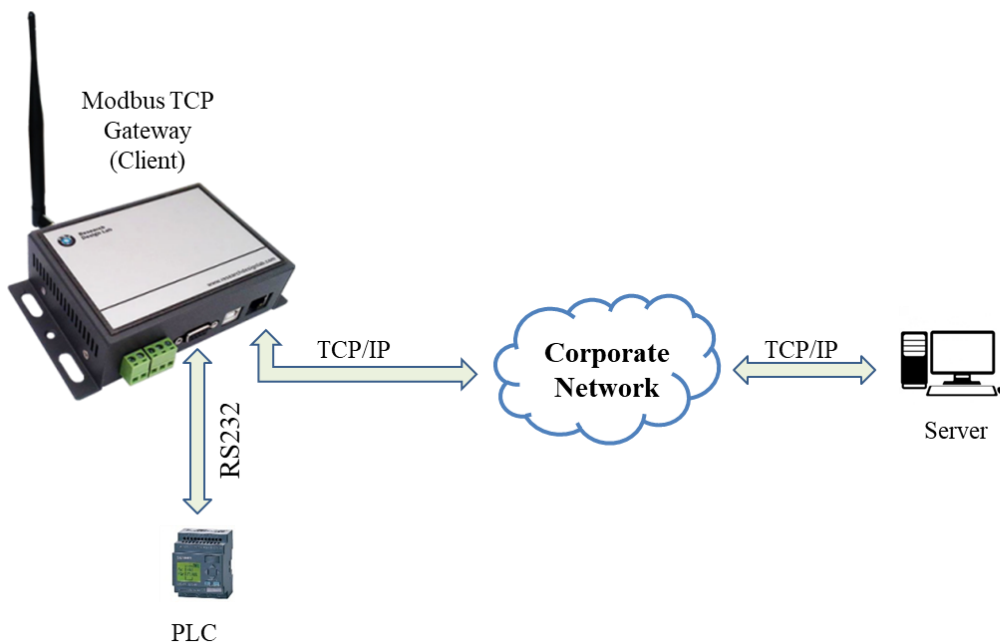
IP Address: 192 168 1 5
 Subnet Mask: 255 255 255 0
 Gateway: 192 168 1 251

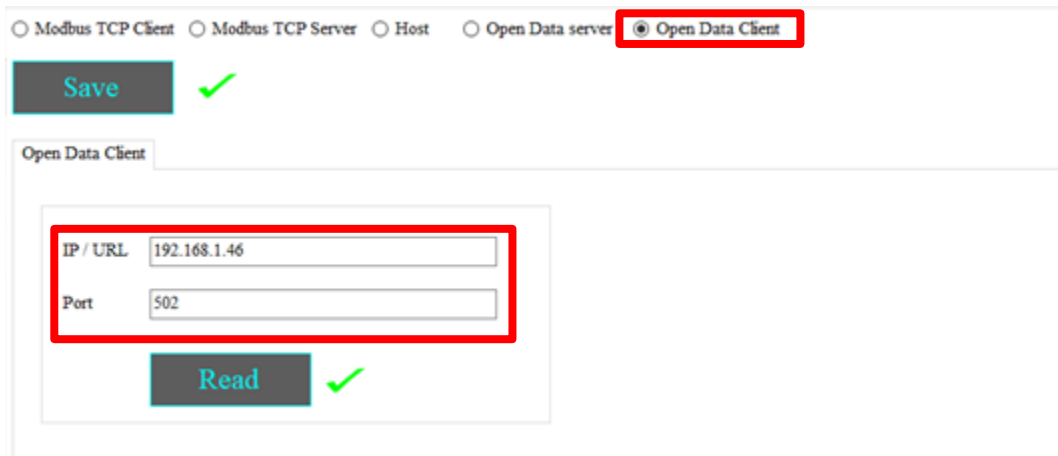
Read ✓

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: 192.168.1.46

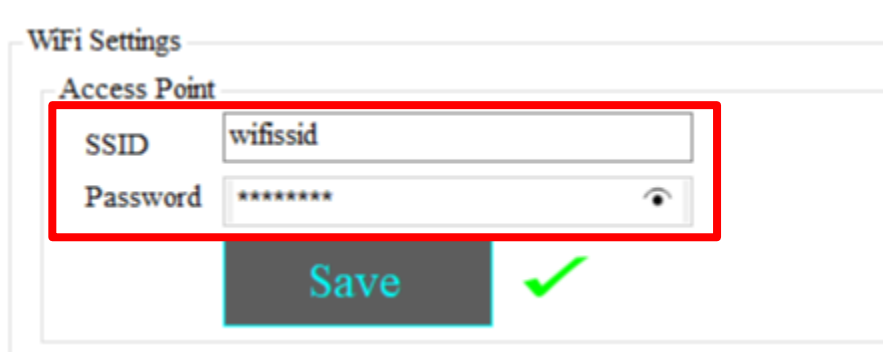
Port: 502

Read ✓

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

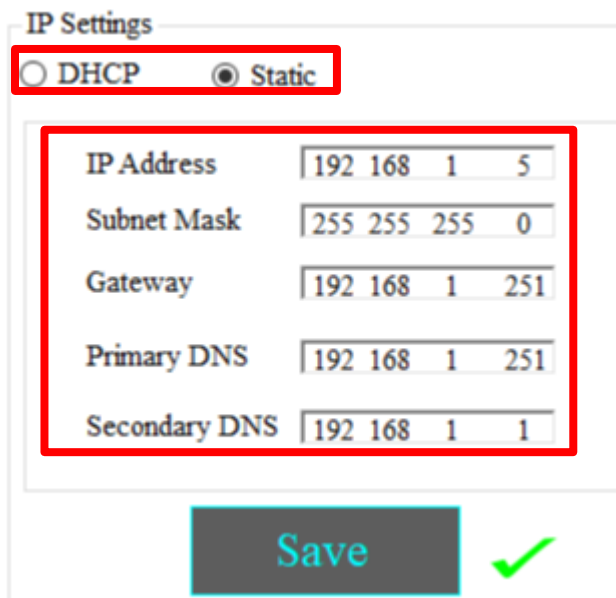
Step 2: Enter the IP/URL and Port number and click on Save Button.

3. WiFi Settings



The image shows a 'WiFi Settings' form. Under the 'Access Point' section, there are two input fields: 'SSID' with the value 'wifissid' and 'Password' with a masked value '*****'. A red rectangle highlights these two fields. Below the fields is a 'Save' button and a green checkmark.

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



The image shows an 'IP Settings' form. At the top, there are two radio buttons: 'DHCP' and 'Static'. The 'Static' radio button is selected and highlighted with a red rectangle. Below this, there is a table of IP configuration fields, all of which are highlighted with a red rectangle. The fields are: IP Address (192 168 1 5), Subnet Mask (255 255 255 0), Gateway (192 168 1 251), Primary DNS (192 168 1 251), and Secondary DNS (192 168 1 1). Below the table is a 'Save' button and a green checkmark.

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

Save 

Step 4: Select DHCP and Click on Save.

4. Settings

4.1 Change Password



The screenshot shows the 'Modbus Gateway' web interface. On the left is a sidebar with navigation links: 'Com. Settings', 'Modbus Settings', 'Settings' (highlighted), 'Debug', and 'Logout'. The main content area is titled 'Change Password' and contains three password input fields labeled 'Current Password', 'New Password', and 'Confirm New Password'. Each field is filled with asterisks and has a red box around it. To the right of each field is an eye icon for toggling visibility. Below the fields is a blue 'Save' button. The top right corner of the interface shows the copyright notice '© www.rdltech.in' and the version 'Version : V.1.0.3'.

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

4.2 Profile Settings



The screenshot shows the 'Profile Settings' form. It contains a single text input field labeled 'Email Address' with the value 'domainname@gmail.com'. The field is highlighted with a red box. Below the field are two buttons: 'Save' and 'Read'. To the right of the 'Read' button is a green checkmark icon.

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.