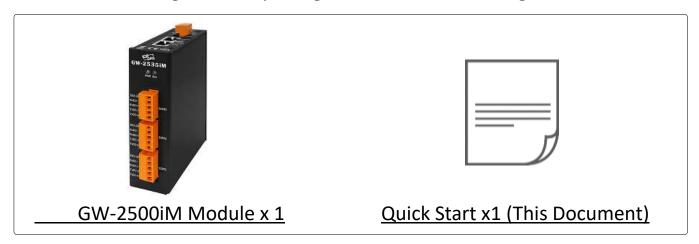


GW-2500iM Series Quick Start

V1.0, Nov. 2024

Packing List

In addition to this guide, the package includes the following items:



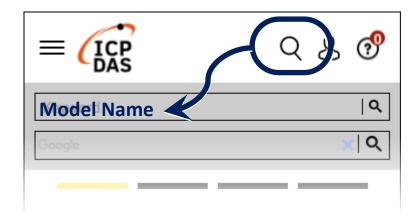
Technical Support

service@icpdas.com www.icpdas.com

Resources

How to search for drivers, manuals and spec information on ICP DAS website.

• For Mobile Web



For Desktop Web

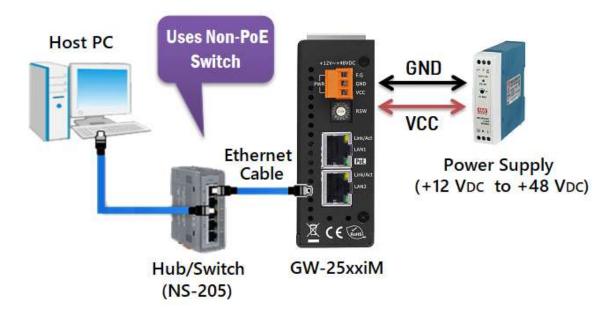


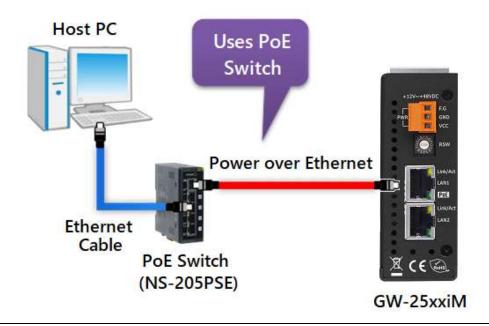
1 Connecting the Power and Host PC

1) Make sure your PC has workable network settings.

Disable or well configure your Windows firewall and Anti-Virus firewall first, else the "Search Servers" on Chapter 5 may not work. (Please contact with your system Administrator)

- 2) Connect both the GW-2500iM and your PC to the same sub network or the same Ethernet switch.
- 3) Supply power (PoE or +12~+48 VDC) to the GW-2500iM.
- ⚠ Note: Please use the first RJ-45 jack (ETH1) to connect the PoE Switch when using the PoE to power. The second RJ-45 jack (ETH2) doesn't support the PoE function.





2 Installing Software on Your PC

Install eSearch Utility, which can be obtained from the web site:





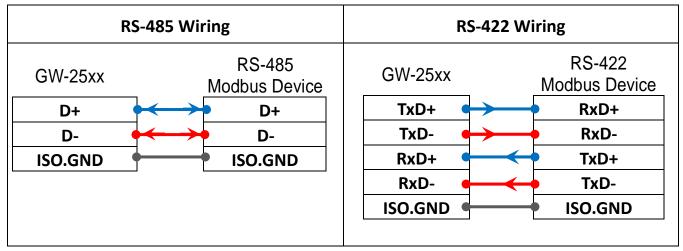
https://www.icpdas.com/en/download/index.php?nation=US&kind1=&model=&kw=esearch



3 Wiring Notes

Wiring Notes for RS-485/422 Interfaces:

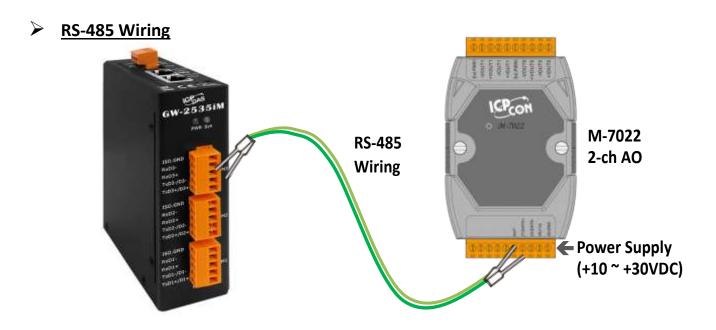
☑ Here, the RS-485 and RS-422 wiring is used as an example.



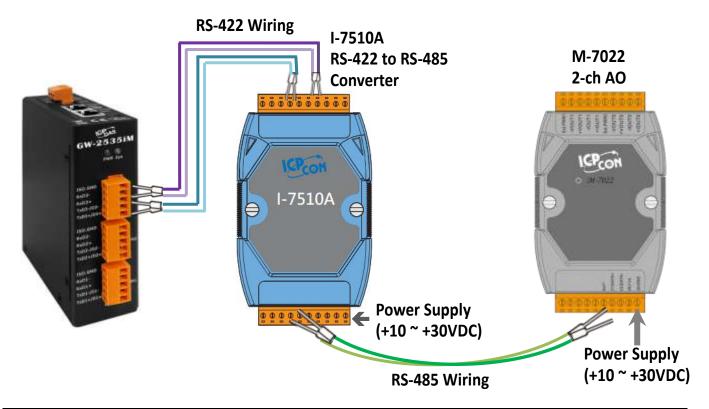
4 Connecting the Modbus Devices

- 1) Connect the Modbus device (e.g., M-7022, optional) to the COM1 on GW-2500iM module.
- 2) Supply power to the Modbus device (e.g., M-7022, Device ID:1).

A Note: The wiring and supply power method depends on your Modbus device.

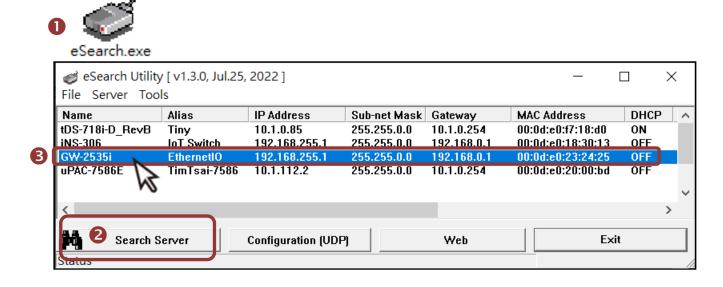


RS-422 Wiring



5 Configuring Network Settings

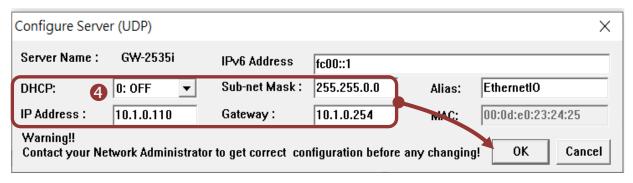
- 1) Double-click the eSearch Utility shortcut on the desktop.
- 2) Click the "Search Servers" to search your GW-2500iM.
- 3) Double-click the name of GW-2500iM to open the "Configure Server (UDP)" dialog box.



Default Settings of GW-2500iM:

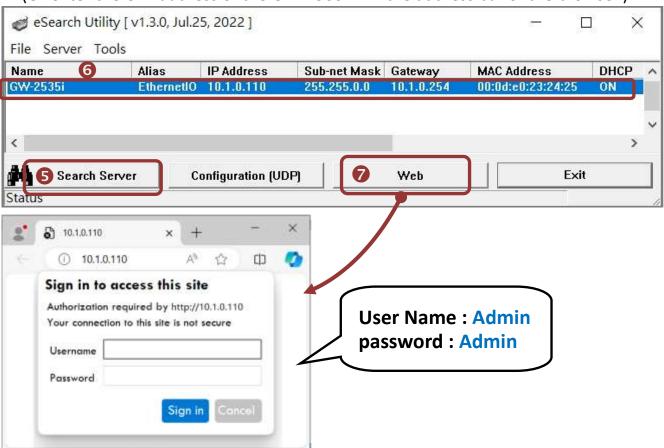
IP Address	Subnet Mask	Gateway	User Name	Password
192.168.255.1	255.255.0.0	192.168.0.1	Admin	Admin

- 4) Contact your Network Administrator to obtain a correct network configuration (such as IP/Mask/Gateway). Enter the network settings and click "OK".
- A Note: The GW-2500 will use the new settings 2 seconds later.



- **5)** Wait 2 seconds and click **"Search Servers"** button again to ensure the GW-2500iM is working well with new configuration.
- 6) Click the name of GW-2500iM to select it.
- 7) Click the "Web" button to log in to the web configuration pages.

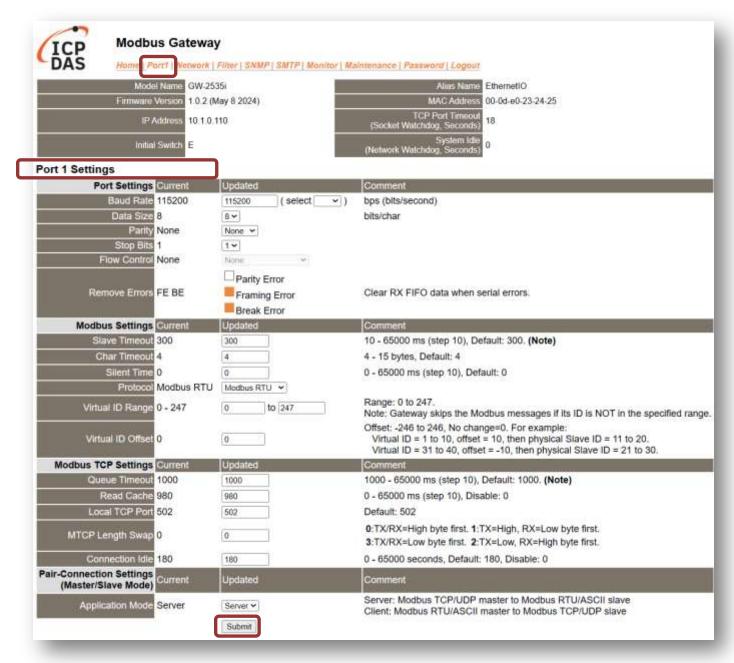
(Or enter the URL address of the GW-2500iM in the address bar of the browser.)



8) Enter the Username and password in the login password field.

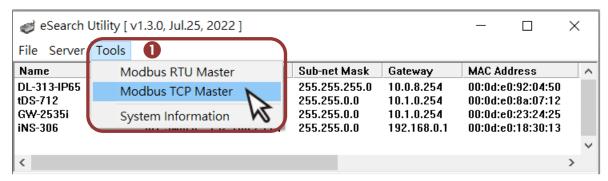
6 Configuring the Serial Port

- 1) Click the "Port1" tab to display the "Port1 Settings" page.
- 2) Select the appropriate Baud Rate, Data Format and Modbus Protocol (e.g., 19200, 8N2 and Modbus RTU) from the relevant drop down options.
- A Note: The Baud Rate, Data Format and Modbus protocol settings depends on your Modbus device.
- 3) Click "Submit" to save your settings.



7 Self-Test

1) In the eSearch Utility, select the "Modbus TCP Master" item from the "Tools" menu to open the Modbus TCP Master Utility.



- 2) In the Modbus TCP Modbus Utility, enter the IP address of GW-2500iM and click "Connect" to connect the GW-2500iM.
- 3) Refer to "Protocol Description" section and type the Modbus command in the "Command" field then click "Send command".
- 4) If the response data is correct, it means the test is success.
- Note: The Modbus command settings depends on your Modbus device.

