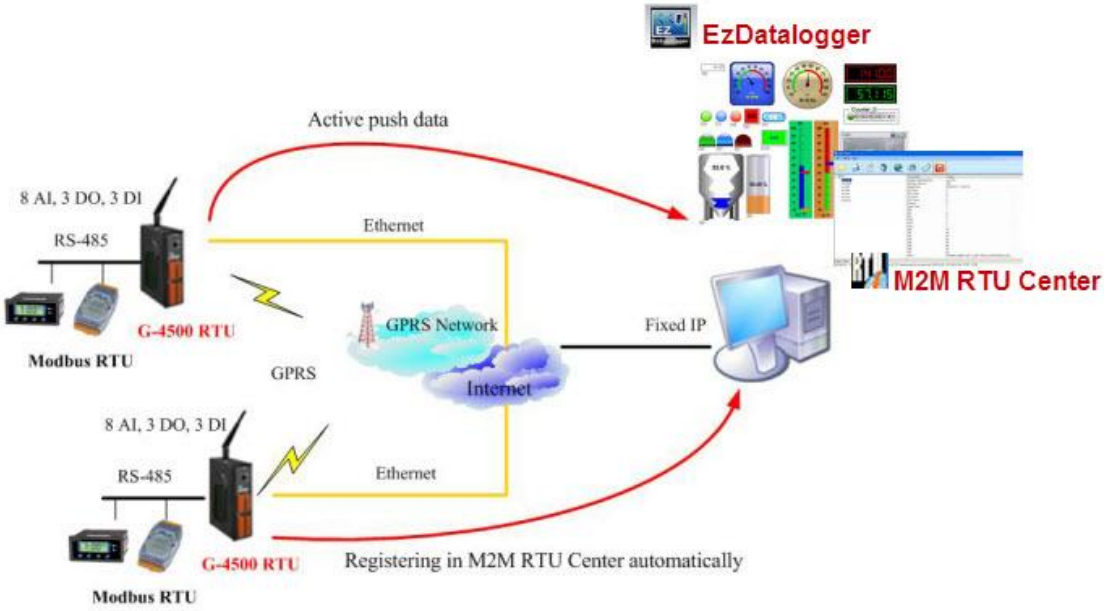
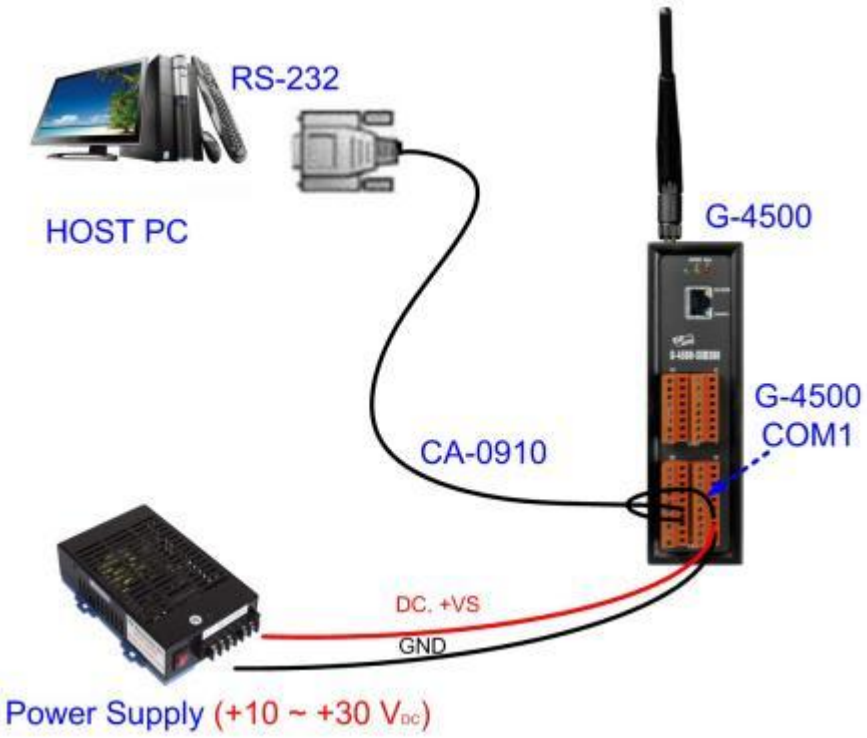
Quick Start

EZ Data Logger connect to G-4500



1. Upload the latest firmware to G-4500

Step1. Hardware connection: use the COM Port of Host PC connects to G-4500 with cable CA-0910. Please refer to the picture below.



Step2. Turn the dip switch to INIT mode and restart the G-4500 power

Step3. Download the below software

✓ Download the MiniOS7 Utility software (Ver3.2.4)

http://ftp.icpdas.com/pub/cd/8000cd/napdos/minios7/utility/minios7_utility/

✓ MiniOS7 Utility document

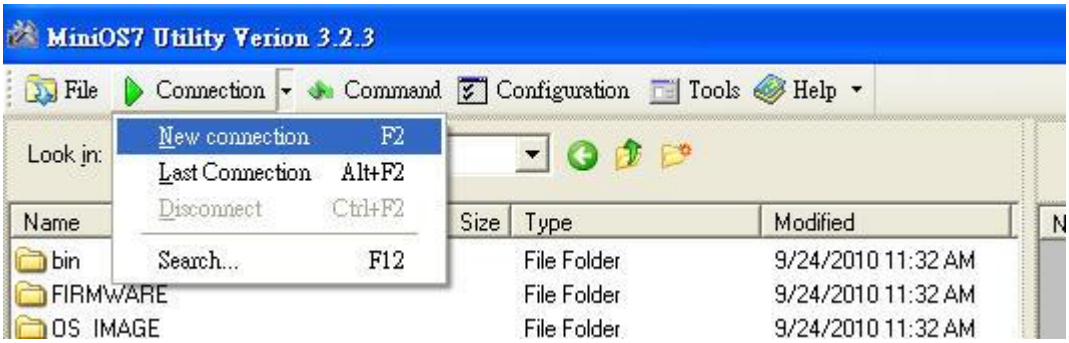
http://ftp.icpdas.com/pub/cd/8000cd/napdos/minios7/utility/minios7_utility/minios7_utility.pdf

✓ G-4500 RTU firmware

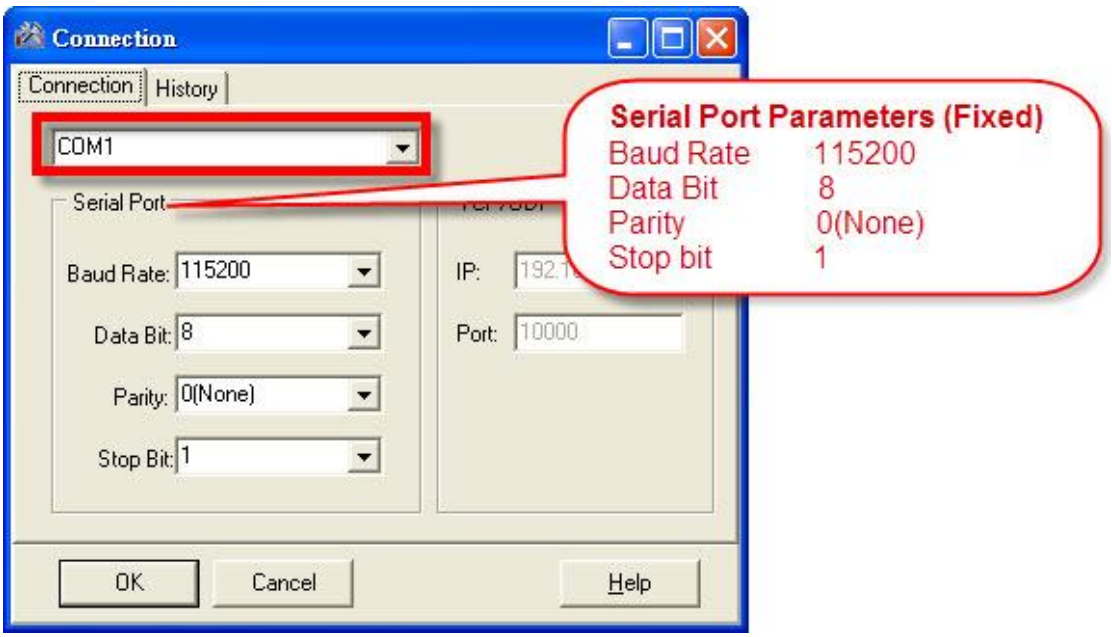
http://ftp.icpdas.com/pub/cd/usbcd/napdos/m2m/rtu/g-4500_rtu/software/firmware/

Step4. Upload the firmware to G-4500 via COM Port

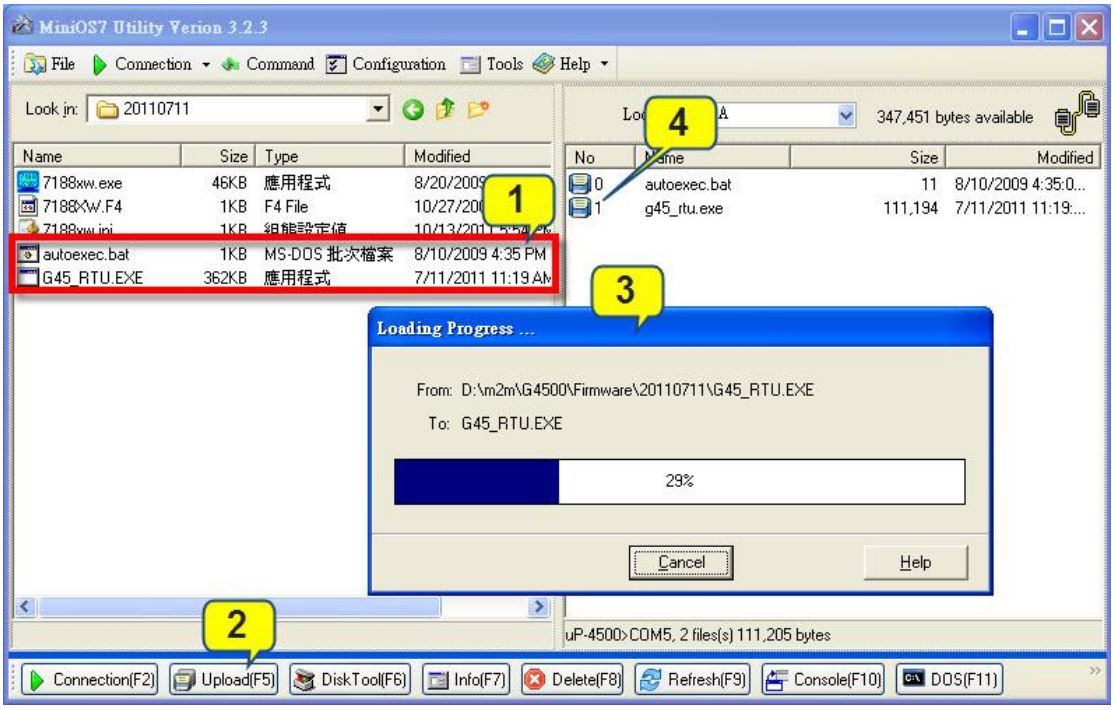
(1) Choose MenuBar > Connection, and then click new connection.



(2) Select your number of COM Port.



(3) Select the G45_RTU.exe and autoexec.bat, and then click the“Upload” Button to upload the firmware.



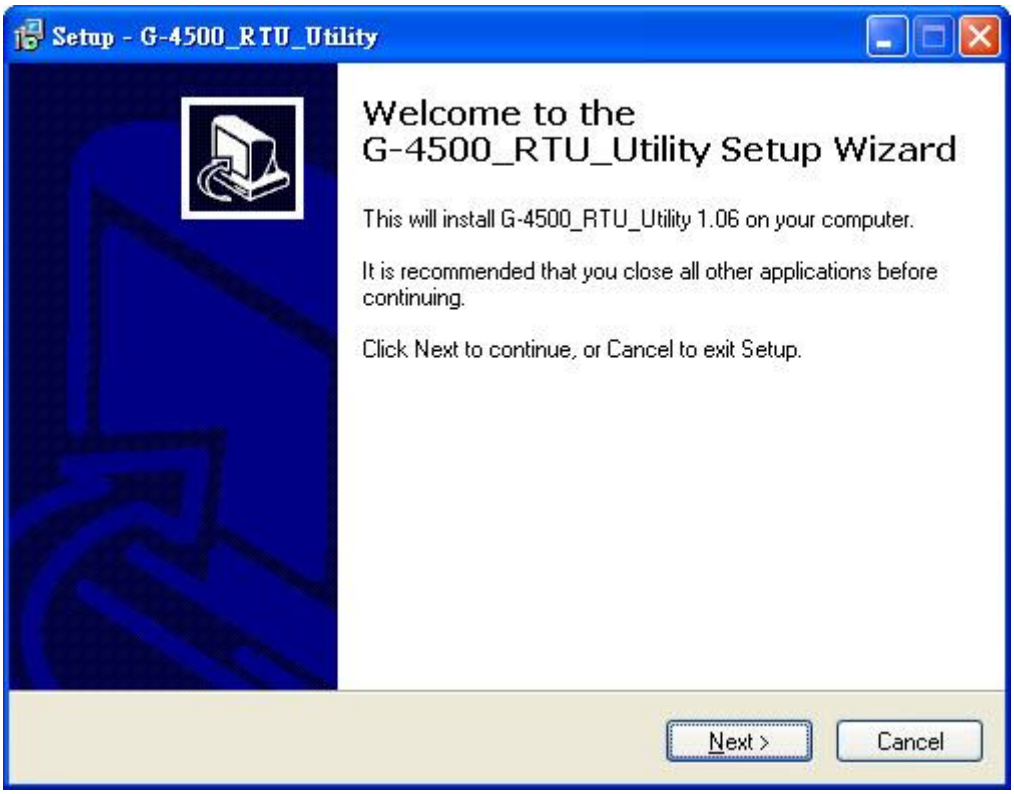
(4) Turn the dip switch to RUN mode and restart the G-4500 power after upload the firmware successfully.

2. Set your G-4500 by G-4500_RTU_Utility

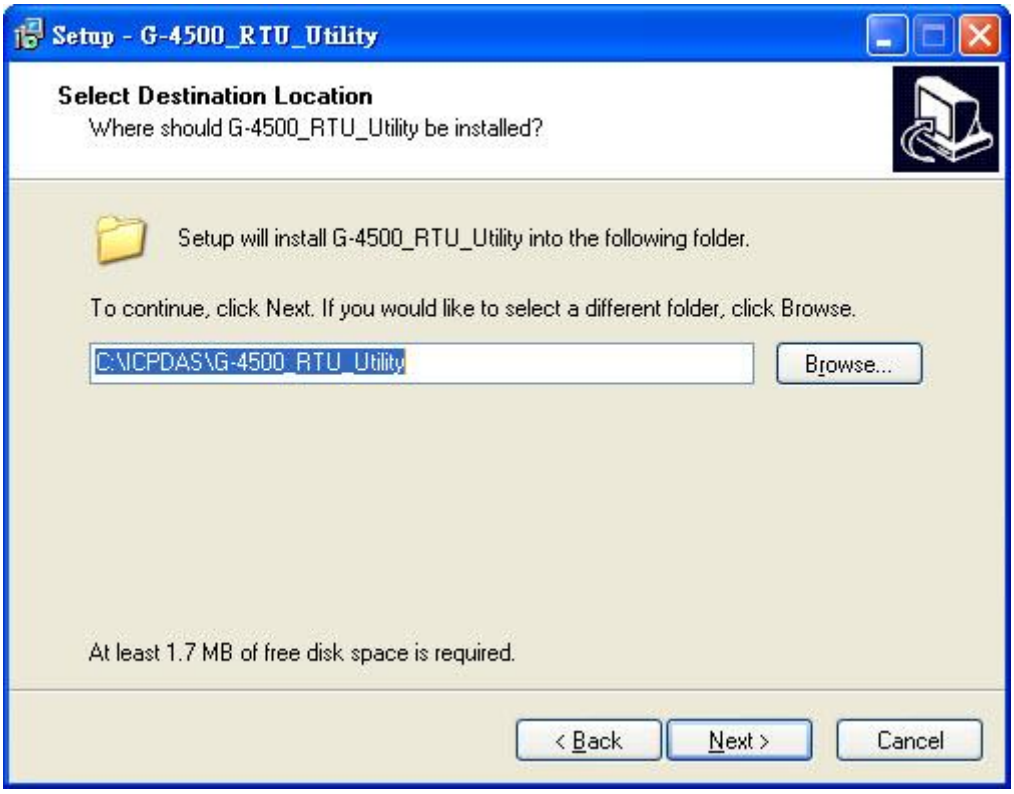
Step1. Download the Setup.exe (Ver1.06)
http://ftp.icpdas.com/pub/cd/usbcd/napdos/m2m/rtu/g-4500_rtu/software/utility/
Step2. Installing G-4500 RTU Utility

> **Note:**
> It needs the runtime environment with .NET Framework 2.0 or above to execute the G-4500 RTU Utility in the PC.
> ★ Microsoft .Net Framework Version 2.0:
> http://www.microsoft.com/downloads/details.aspx?FamilyID=0856eacb-4362-4b0d-8edd-aab15c5e04f5&DisplayLang=en
> ★ Microsoft .Net Framework Version 3.5:
> http://www.microsoft.com/downloads/details.aspx?familyid=333325FD-AE52-4E35-B531-508D977D32A6&displaylang=en

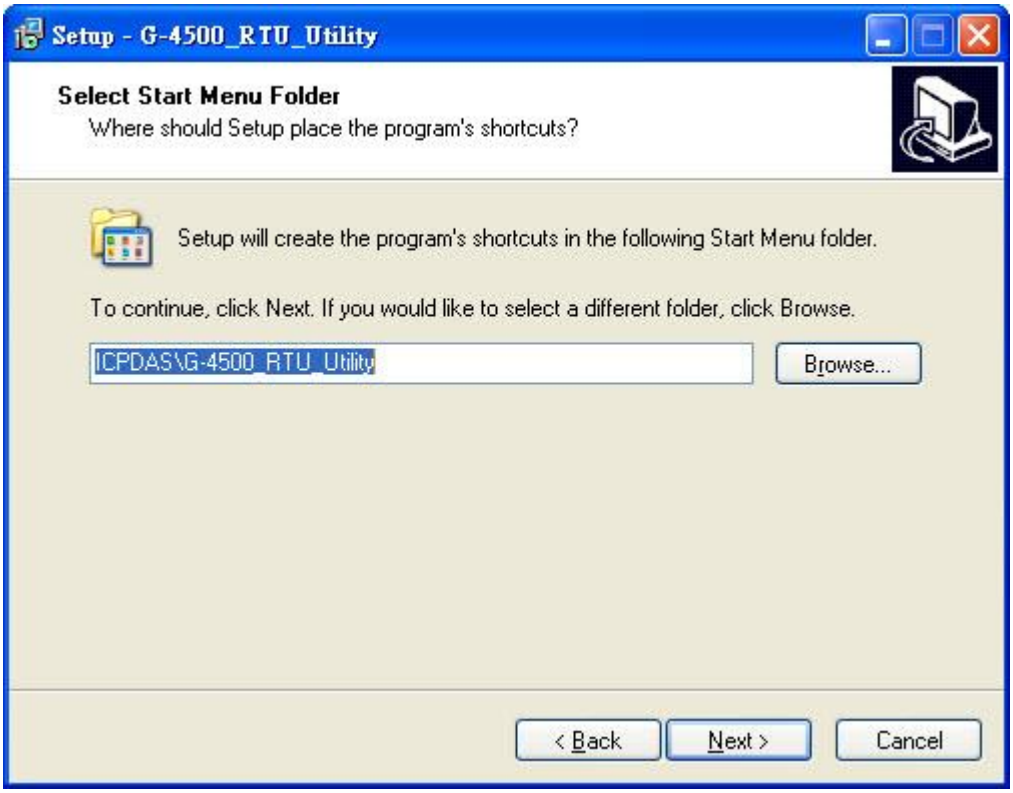
(1) Execute Setup.exe
(2) Press “Next” to start the installation procedure.



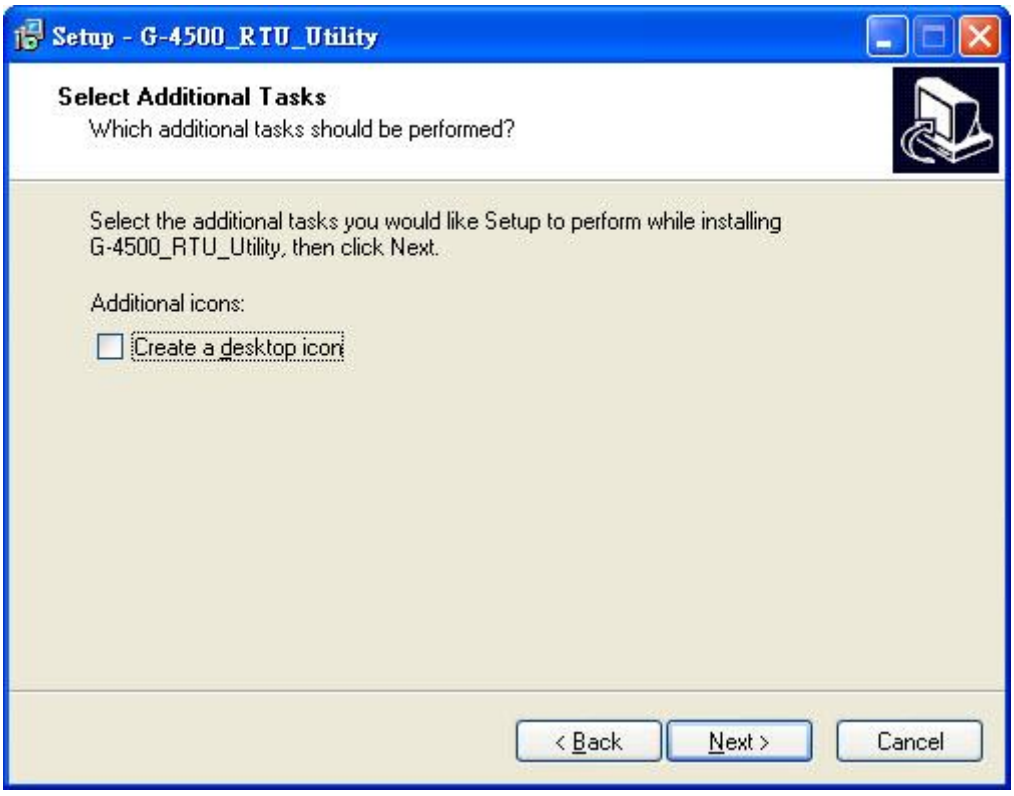
(3) Select the installation path. The default path is ”C:\ICPDAS\G-4500_RTU_Utility”. Press “Next” to the next step.



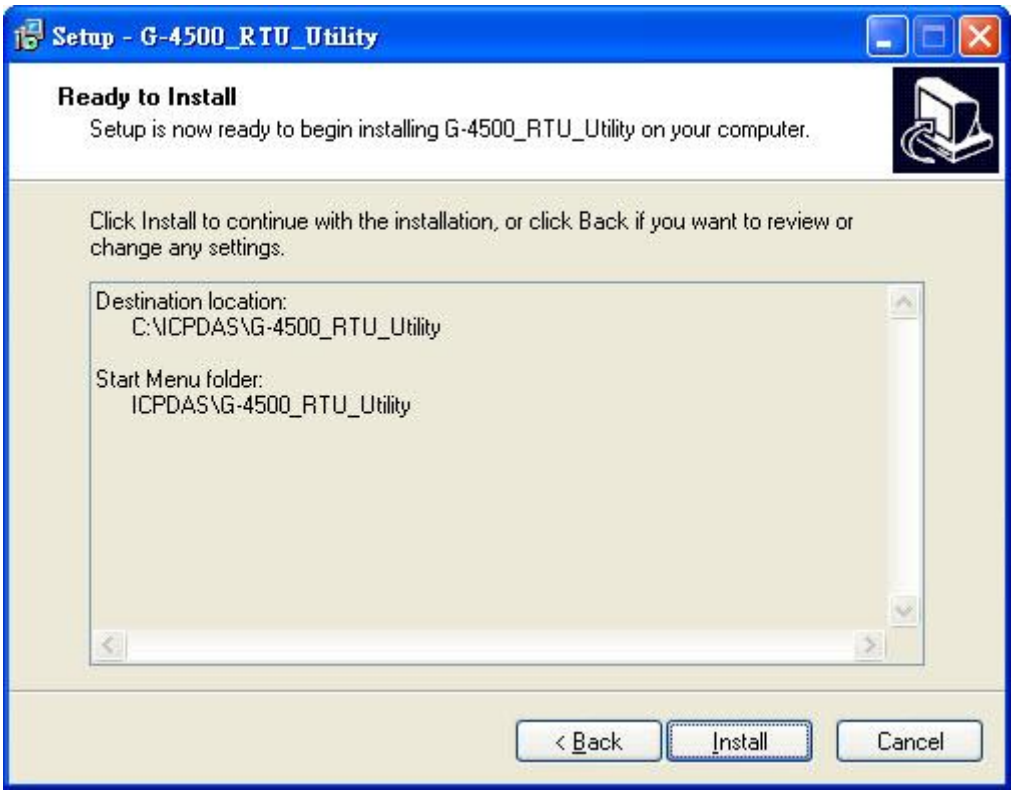
(4) Select the start menu folder path. The default path is ” ICPDAS\G-4500_RTU_Utility”. Press “Next” to the next step.



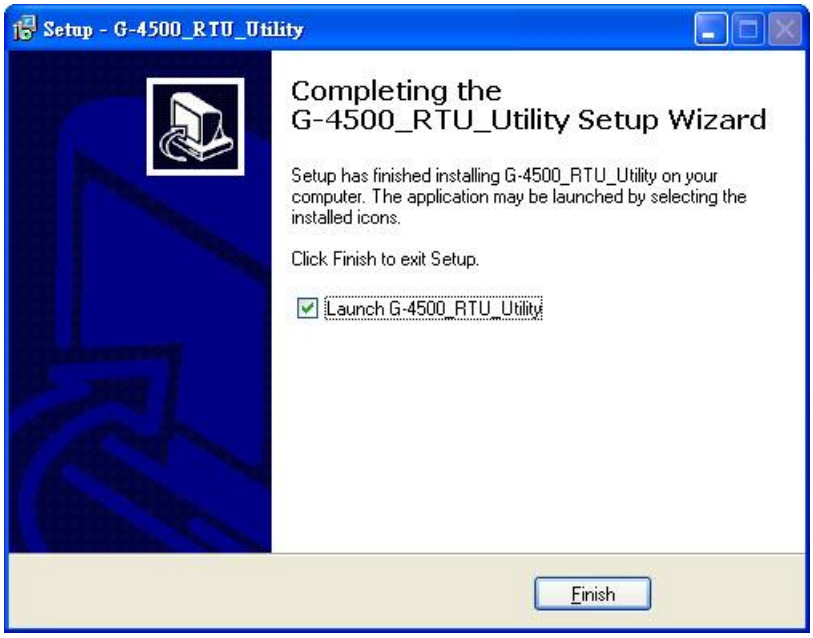
(5) Press “Next” to the next step.



(6) Press “Install” to the next step.



(7) Press ”Finish” to finish the installation procedure.



Step3. Launch G-4500_RTU_Utility from the start menu ”Start→All Programs→ICPDAS→G-4500_RTU_Utility→G-4500_RTU_Utility”.

Step4. It needs to login into G-4500 RTU to set its parameters.

(1) Select the COM port number of PC.

(2) Press the “login” button.

(3) Choose “Main Parameter”.

Step5. Set the main parameter.

(1) Station ID: The device Station ID would be shown in the remote server. (Range: 1 ~ 65535)

(2) Connect Method: 4 methods are supported for G-4500 RTU to connect to remote server.

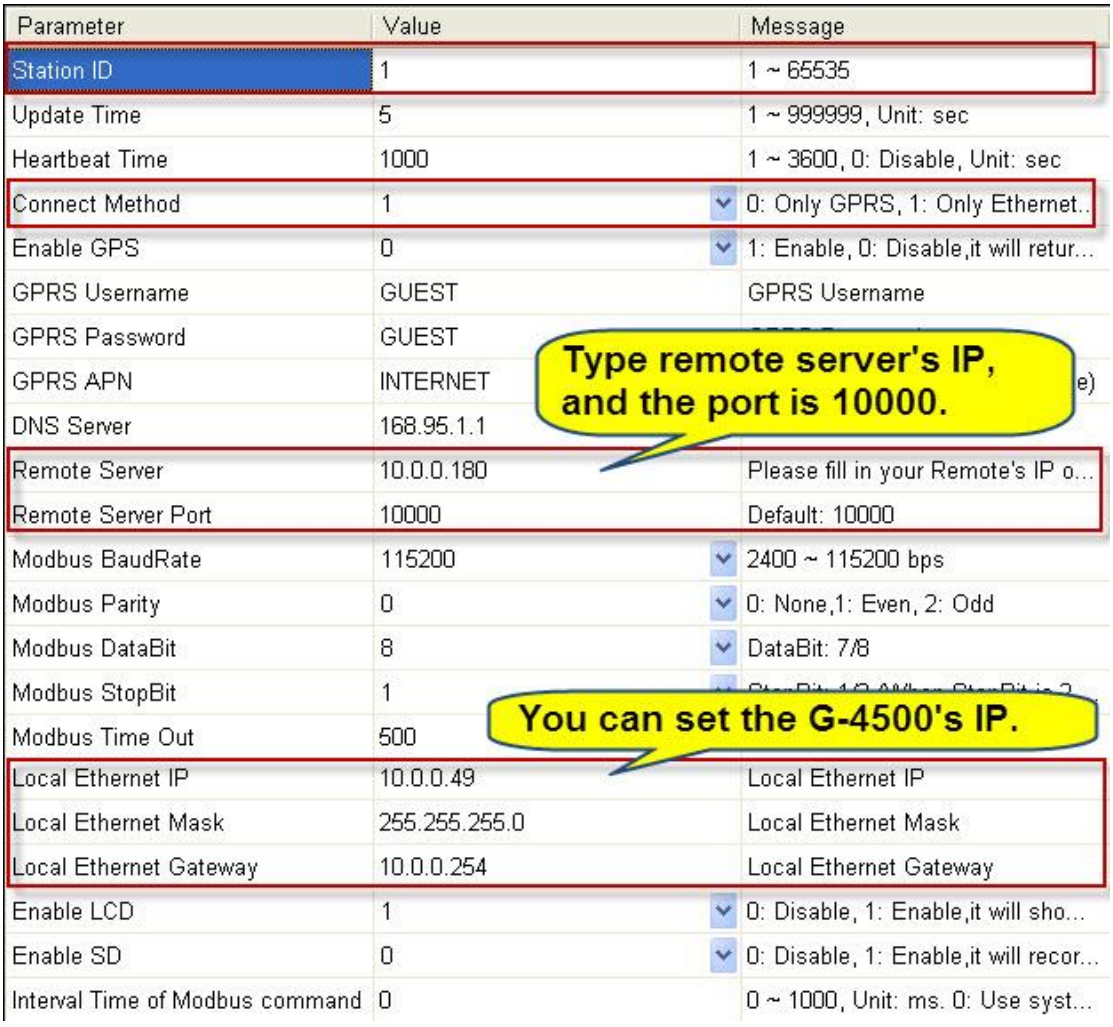
(3) Remote Server: Connect to assignable remote server. It can be remote server's IP or remote server's Domain name.

(4) Remote Server Port: Connect to assignable remote server port.

(5) Local Ethernet IP: Local Ethernet IP of the G-4500

(6) Local Ethernet Mask: Local Ethernet Mask of the G-4500

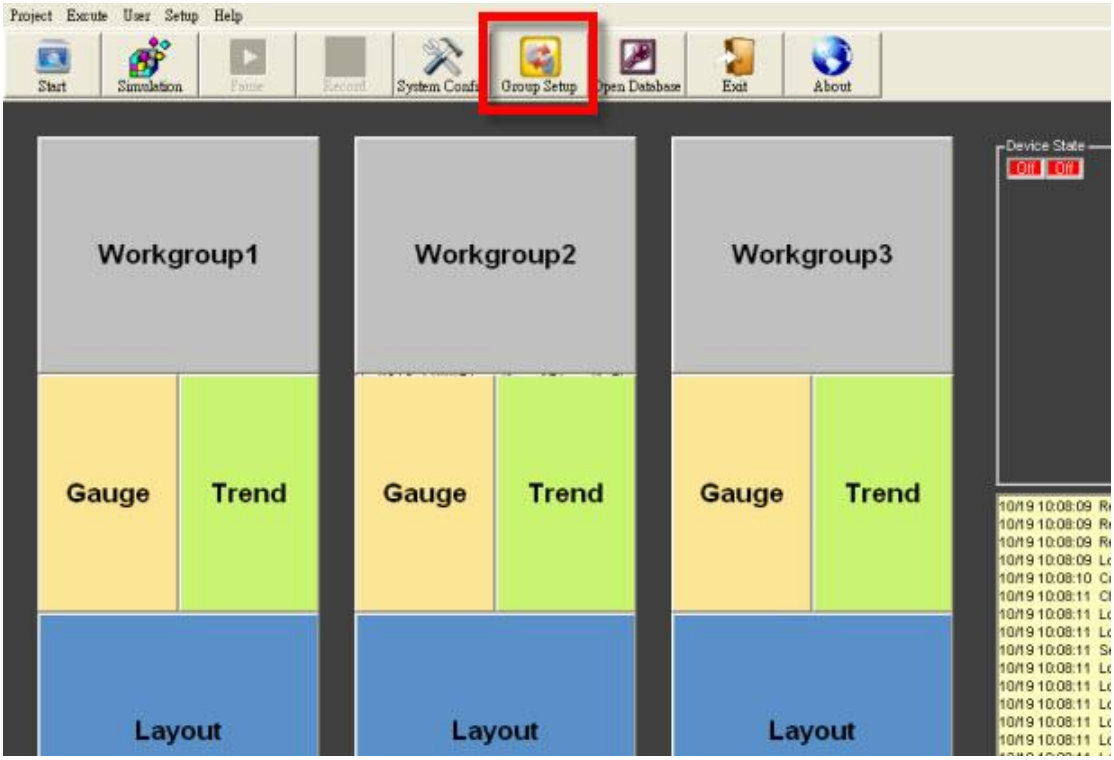
(7) Local Ethernet Gateway: Local Ethernet Gateway of the G-4500



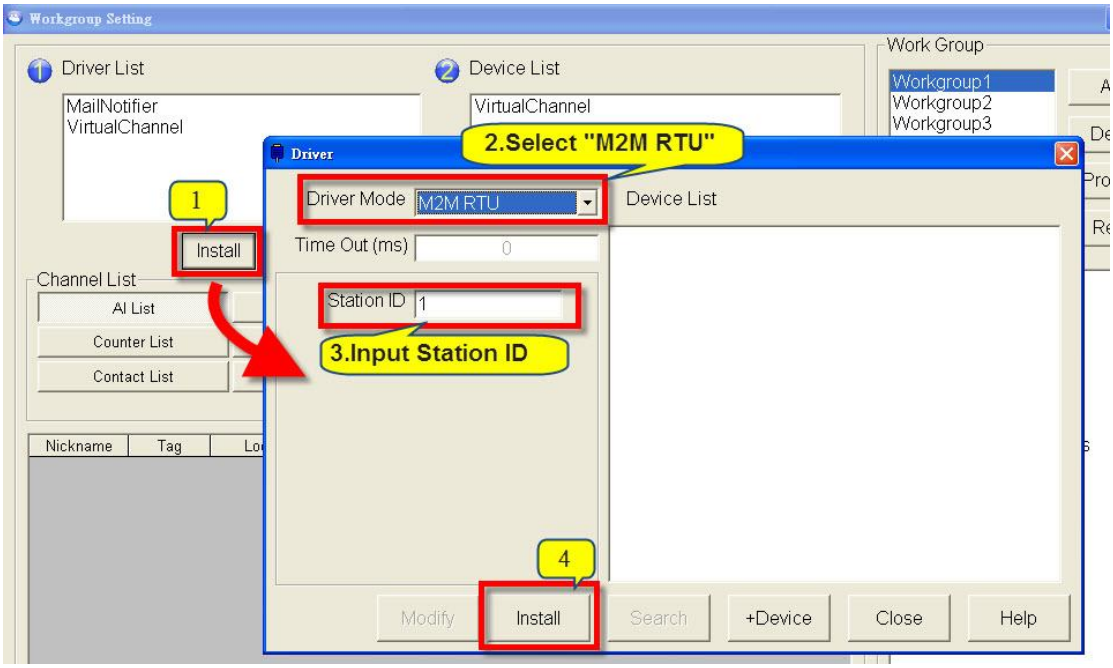
Step6. Press "Write to Device" to save these settings to G-4500 RTU.

3. Set G-4500 local I/O connection in EZ Data Logger

Step1. Open “EZ Data Logger” → click “Group Setup”.

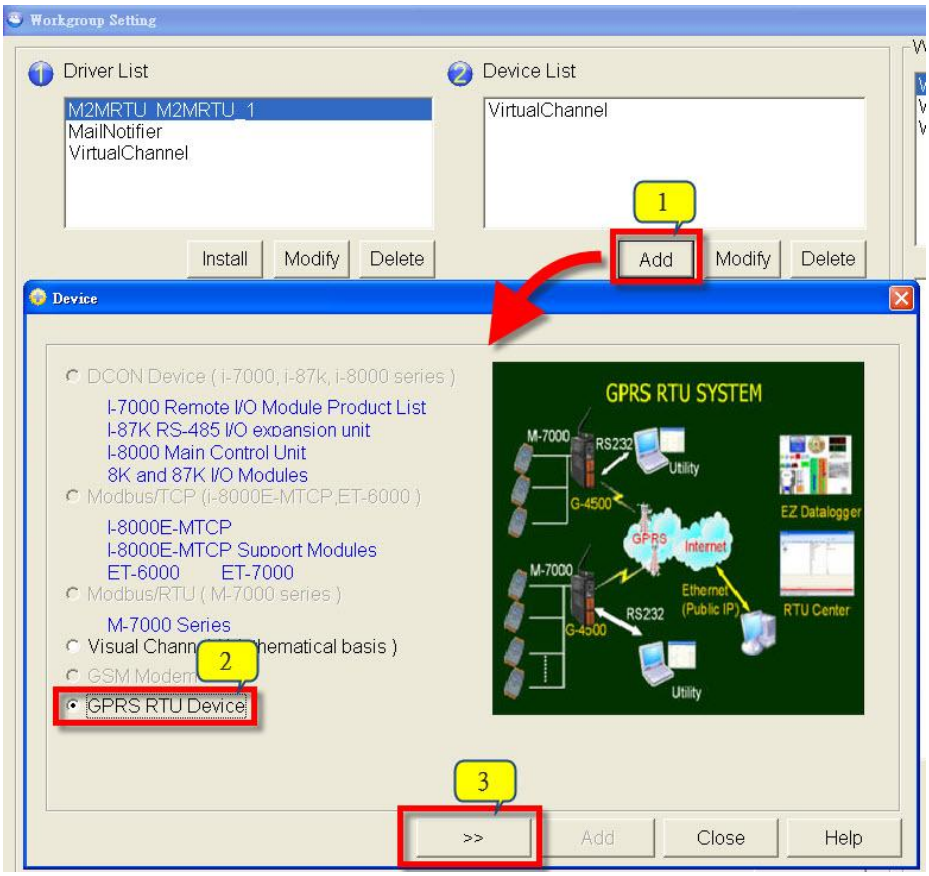


Step2. Install “M2M RTU” driver.

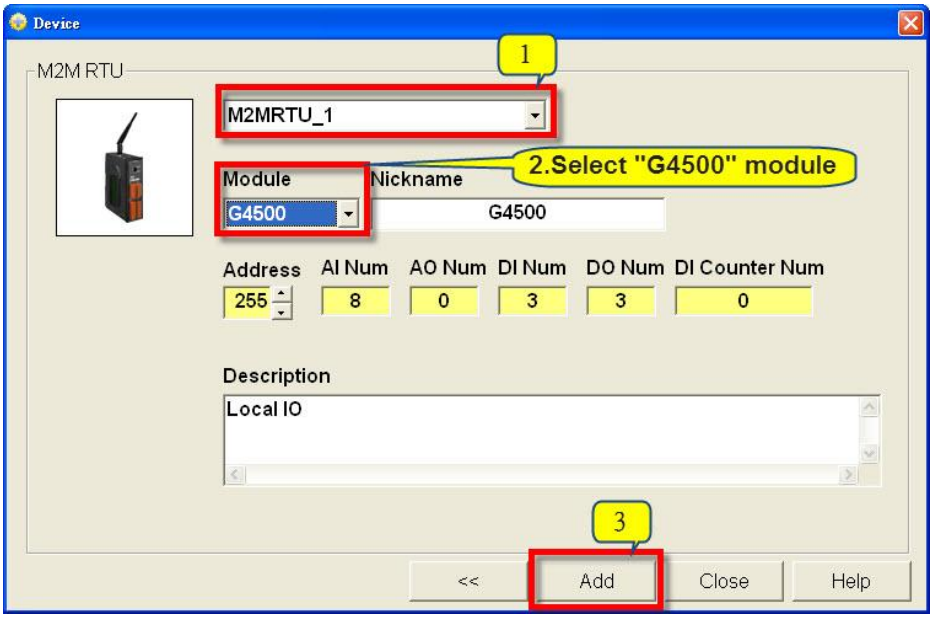


Step3. Add a new device.

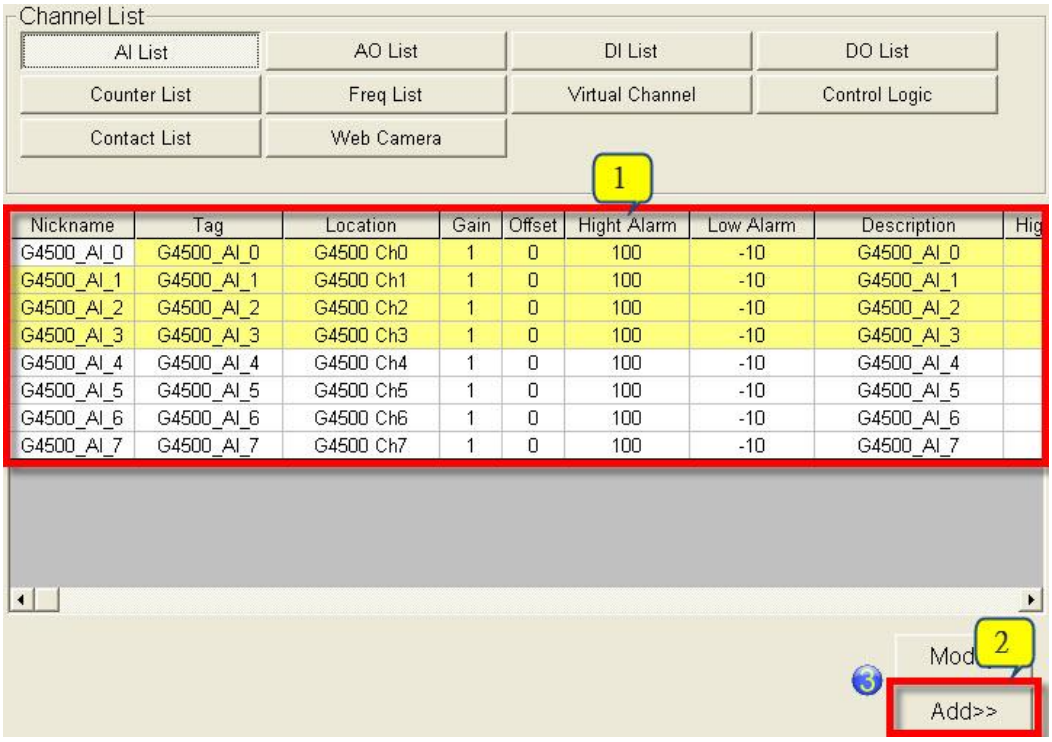
Step3.1. Click “Add” button under Device List → choose “GPRS RTU Device” → click “>>” to next step.



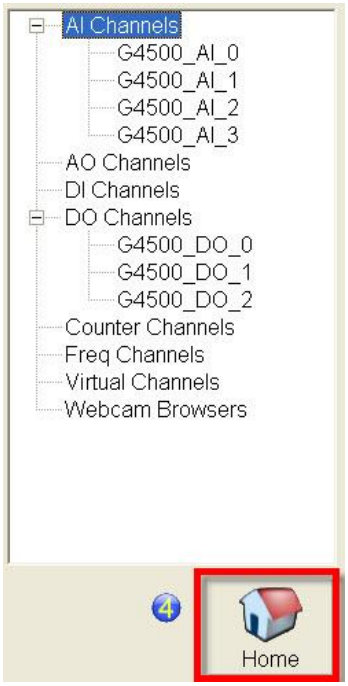
Step3.2. Select “M2MRTU_1” driver → select “G4500” module for filling I/O channels automatically → click “Add” button to add the device.



Step4. All the channels can be added to the specified group.
Drag to select channels with left mouse button → click “Add” to add I/O channels to specified group



Step5. After all setting done, click “Home” button to back to the main screen.

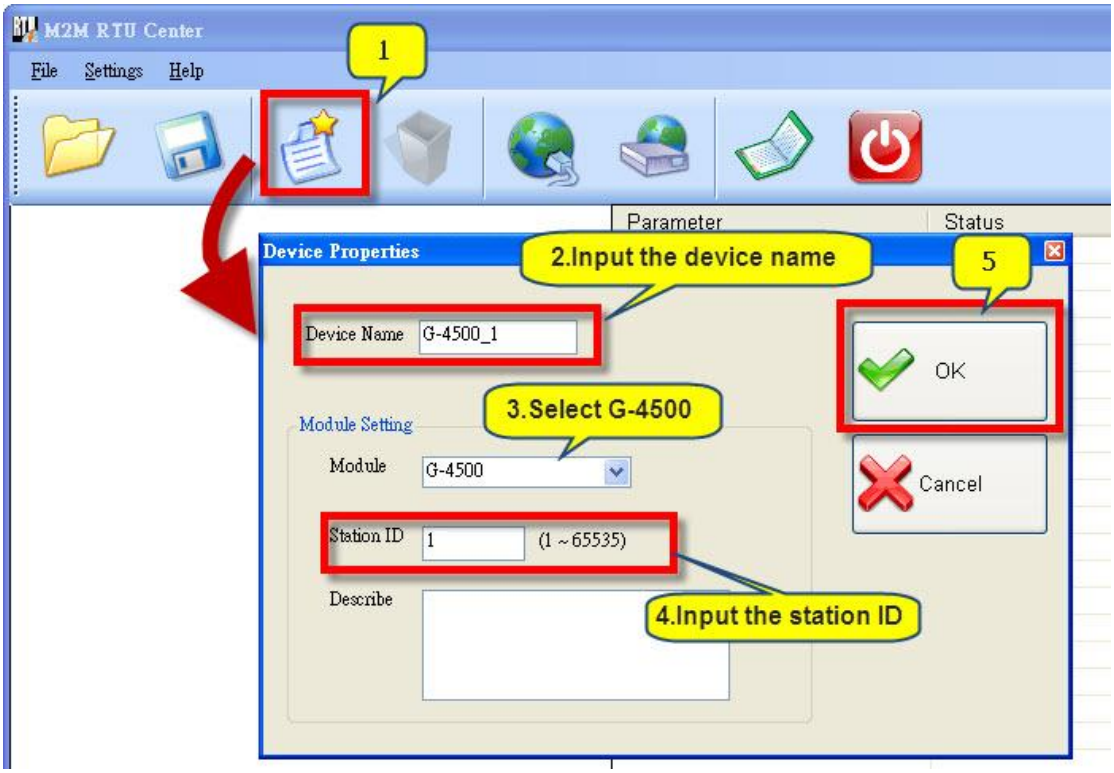


Step6. Open RTU_Center.

If you have installed the “M2M RTU” driver in the project, then every time when the EZ Data Logger main screen loads, the “RTU_Center” application will automatically execute, and you can bring it back from the system tray by double click the RTU_Center icon.

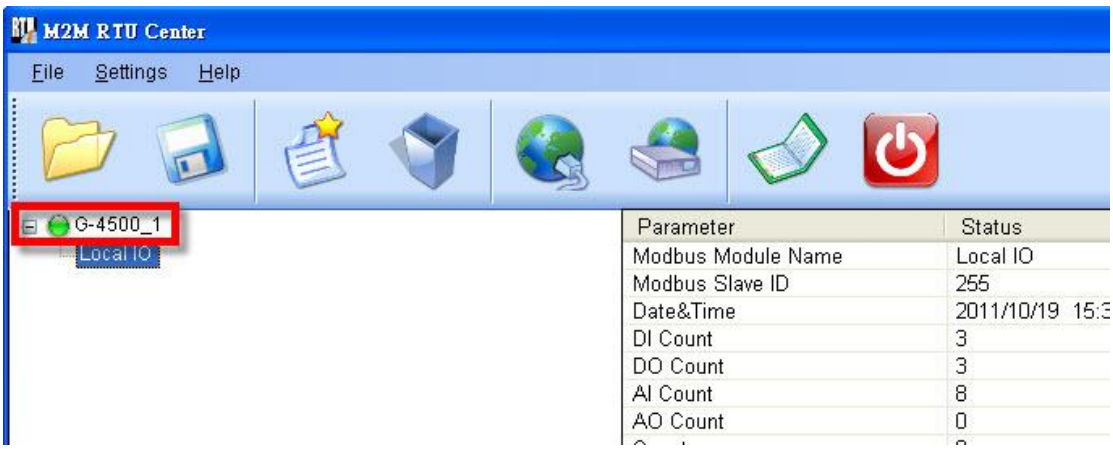
※ RTU_Center software manages the connection from M2M RTU devices.

Step7. Set the Connection from G-4500 by RTU_Center.



Step8. Make sure that the connection from G4500 is successful.

Before executing EZ Data Logger, you should check the connection status by RTU_Center.(Green means success, and red means fail.)



Step9. Execute EZ Data Logger