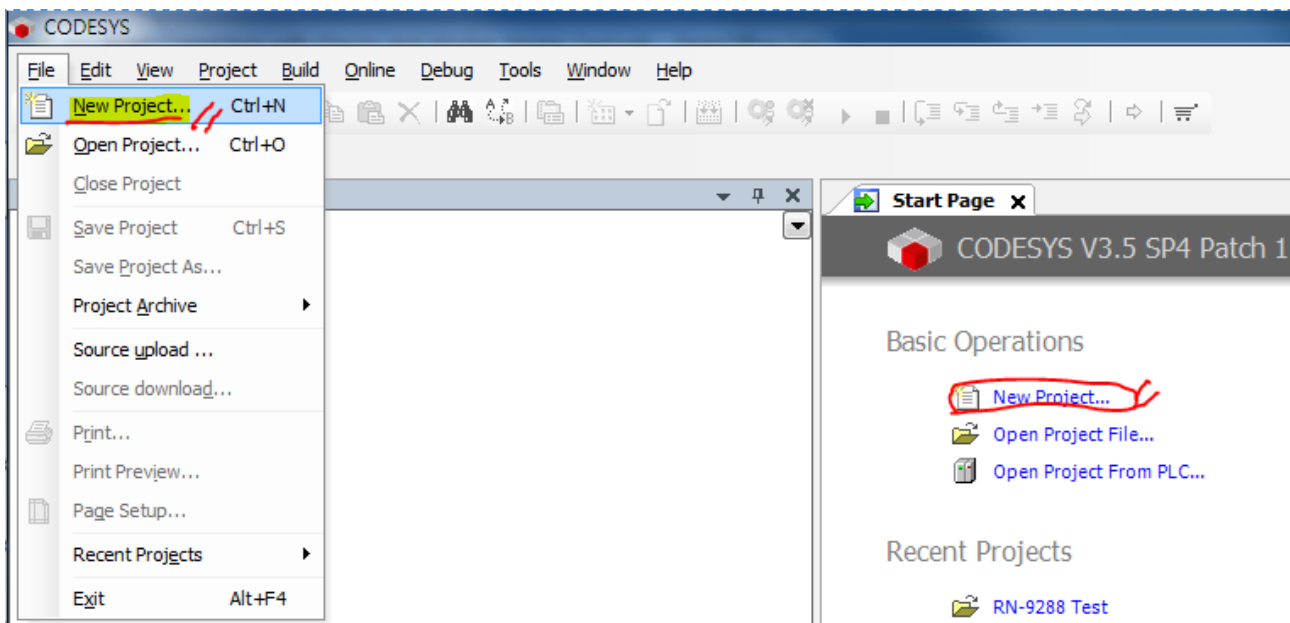
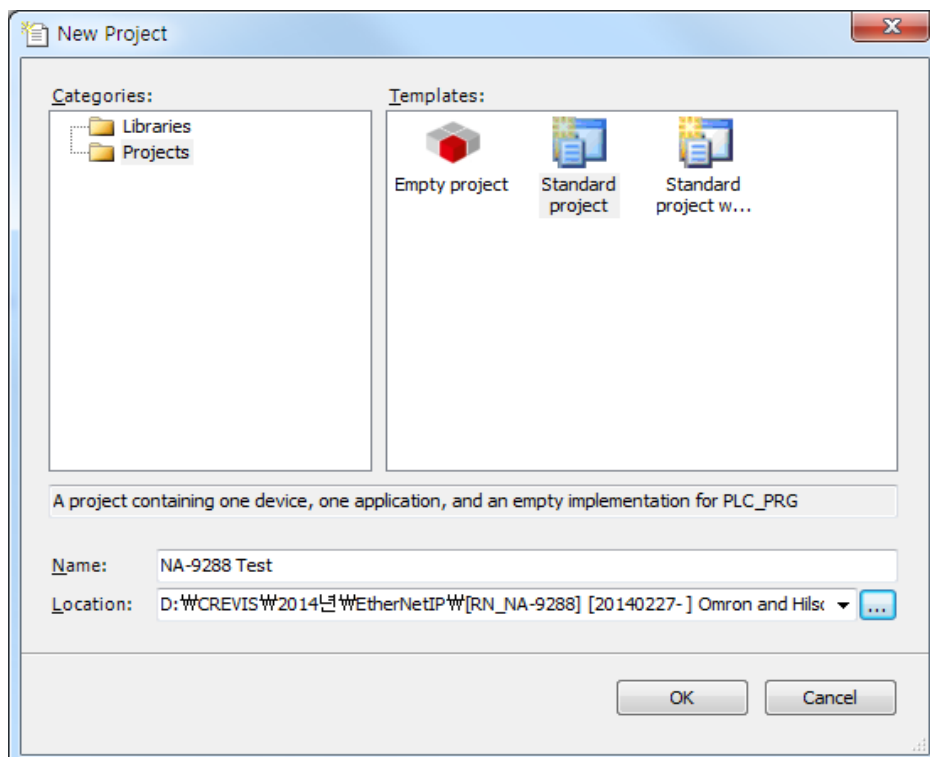


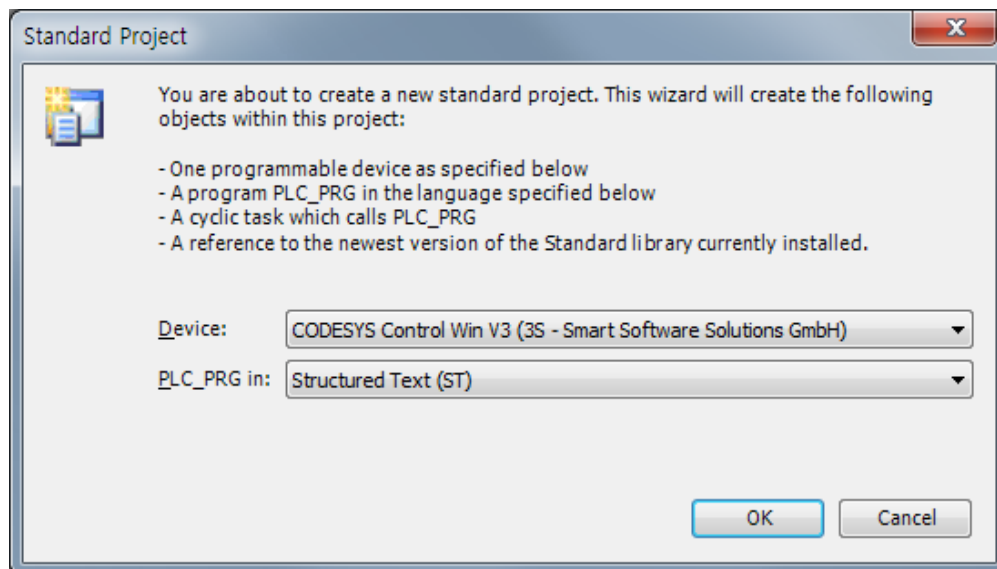
How to Use CodeSys with EtherNet/IP Adapter like NA-9288 (and NA-9188, RN-9288)

Install the CodeSys V3.5 SP4 Patch 1 as below



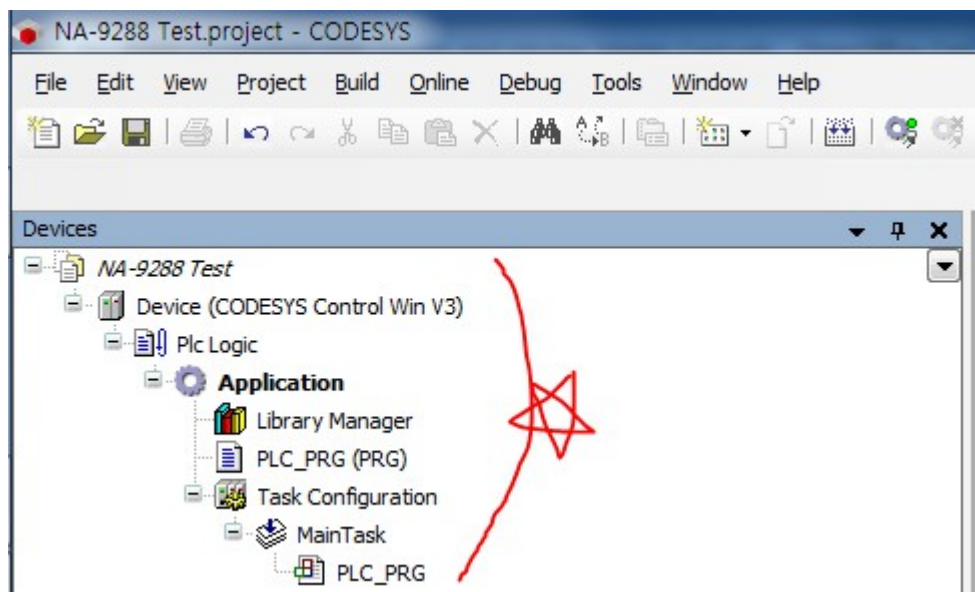
Make the Project for EtherNet/IP Adapter



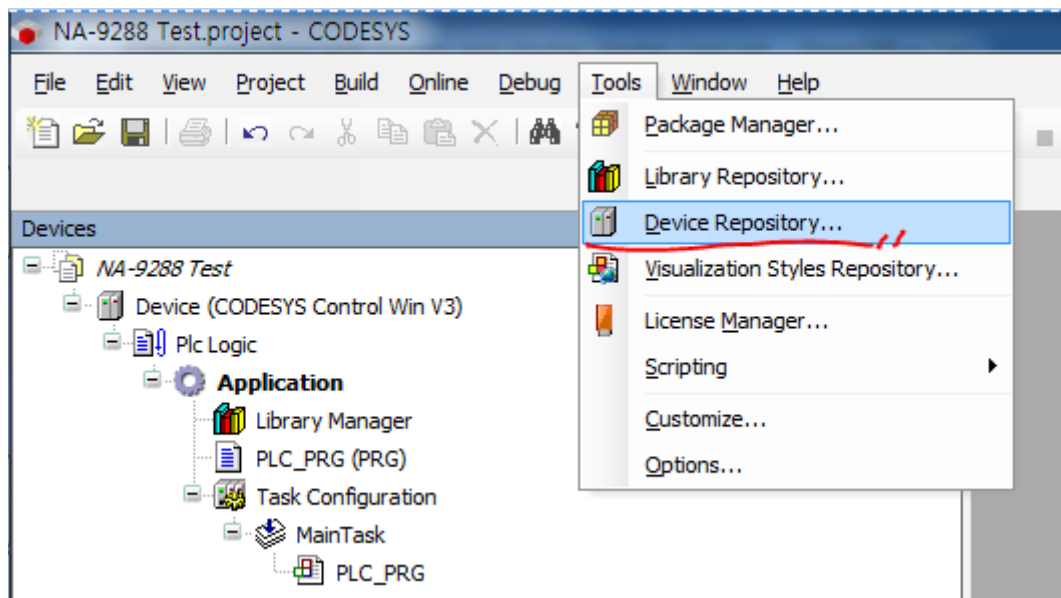


Select the Soft PLC and Click the OK.

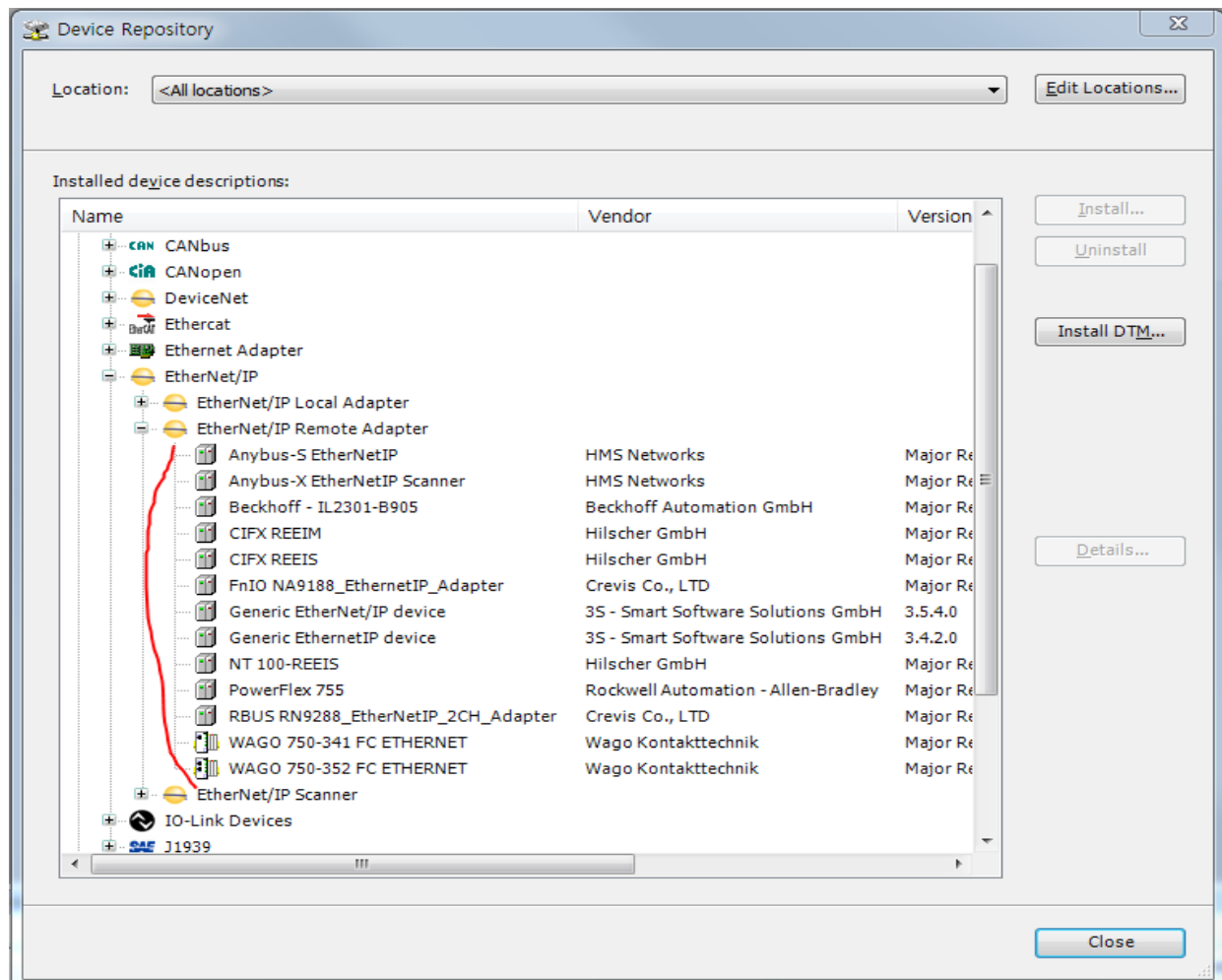
The “NA-9288 Test” Project had been created.



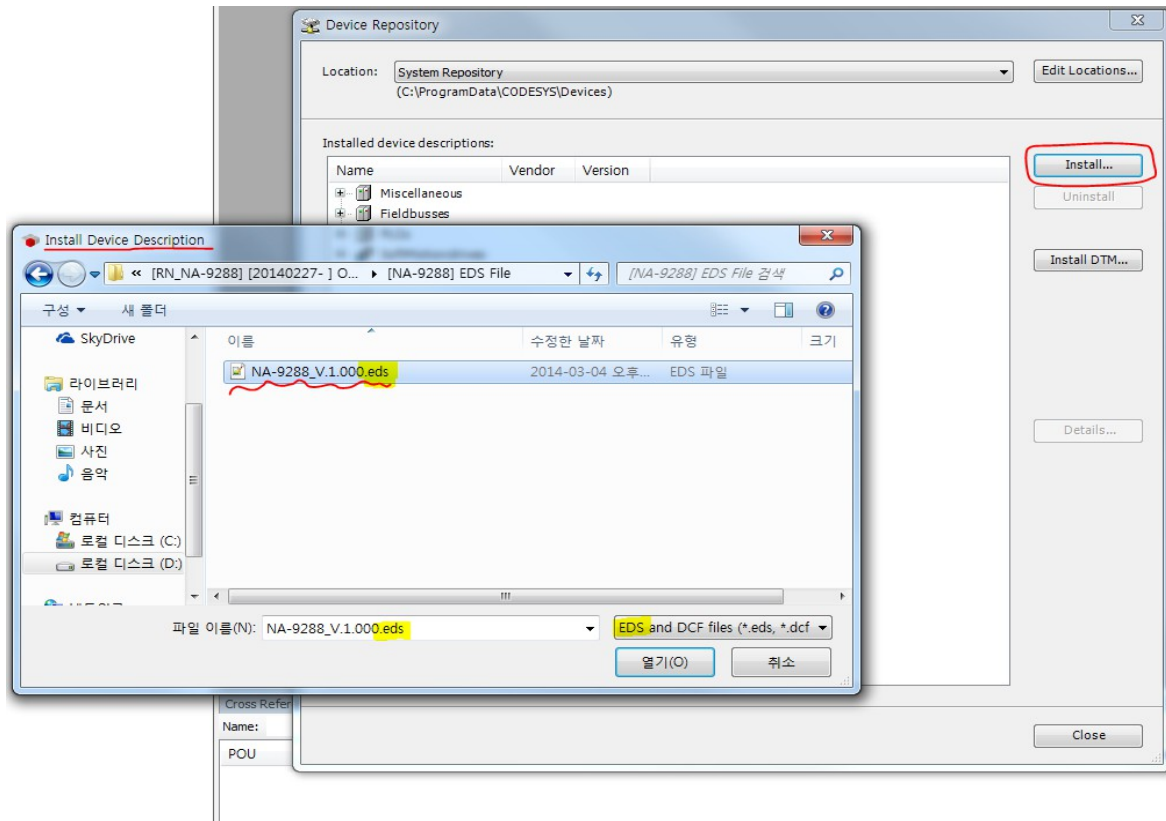
Install the EDS file



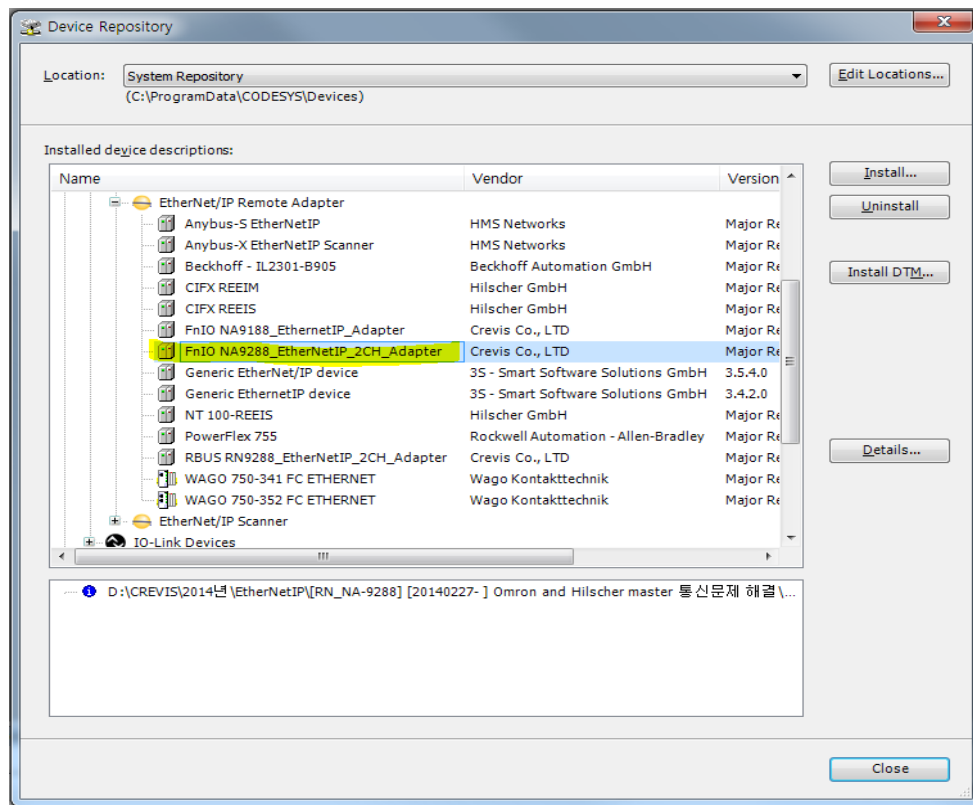
At the Device Repository, check the Devices

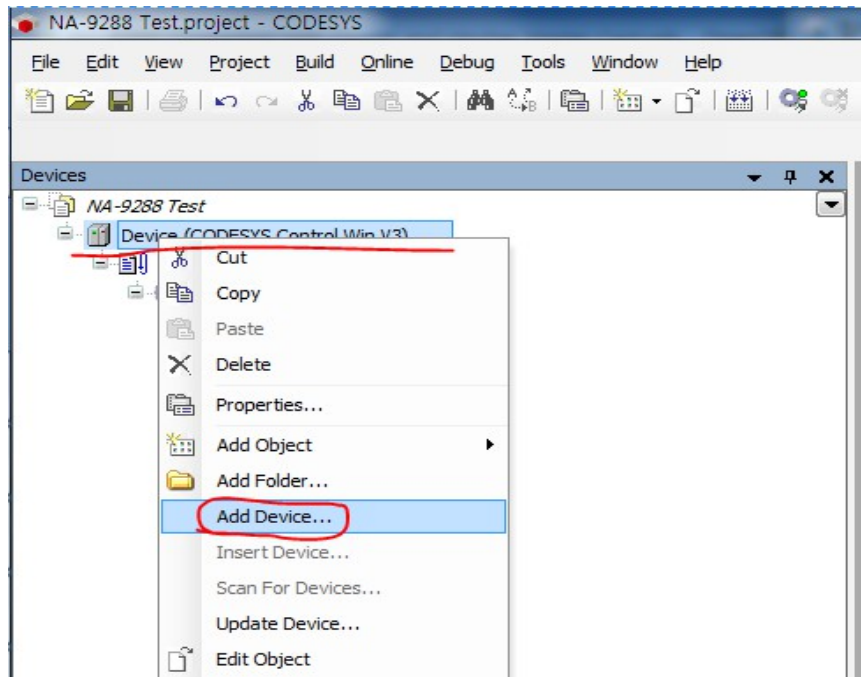


If it does not have the EtherNet/IP Remote Adaptor, reinstall again.

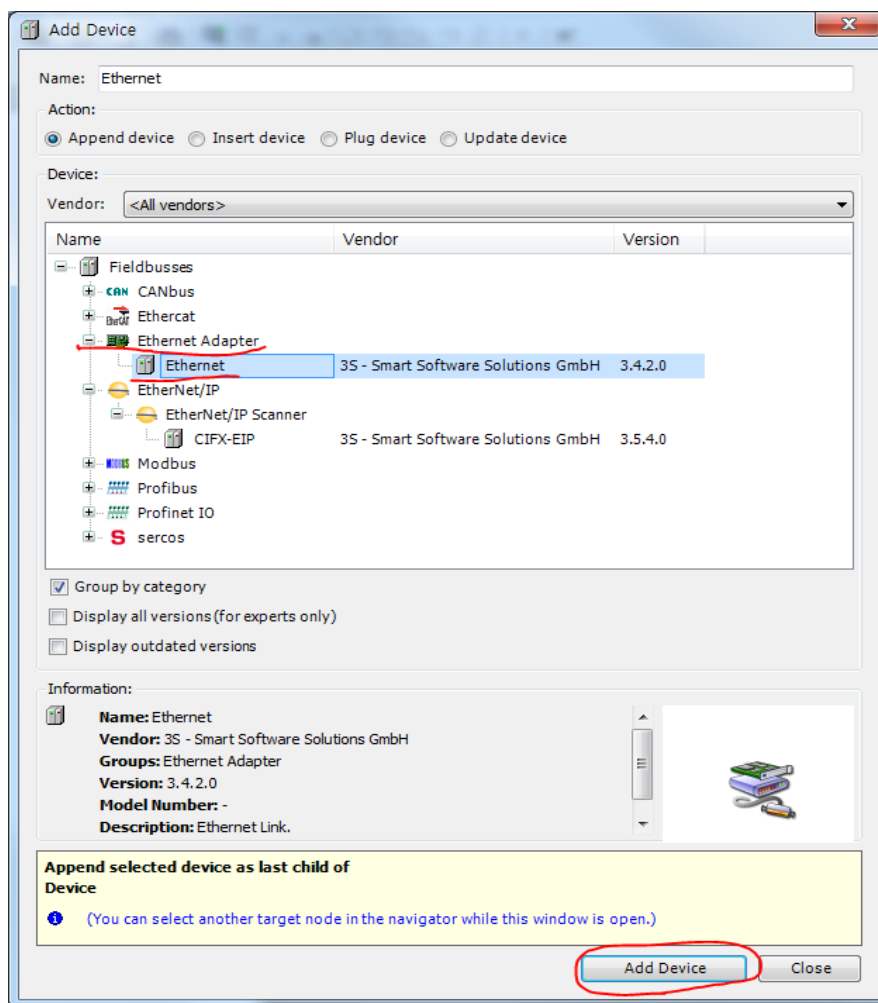


As below at the EtherNet/IP Remote Adapter, the FnIO NA-9288 EtherNetIP 2CH Adapter is Installed.

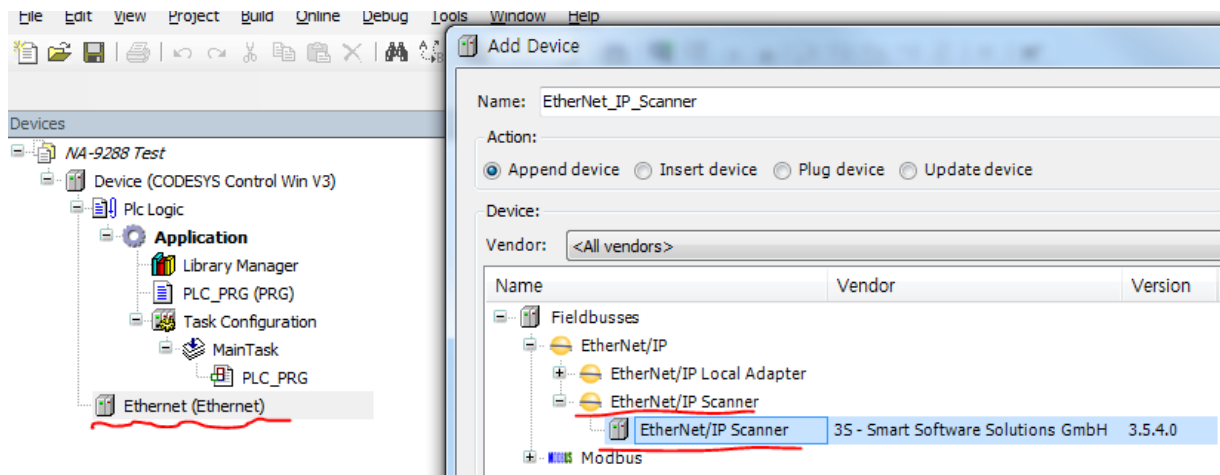




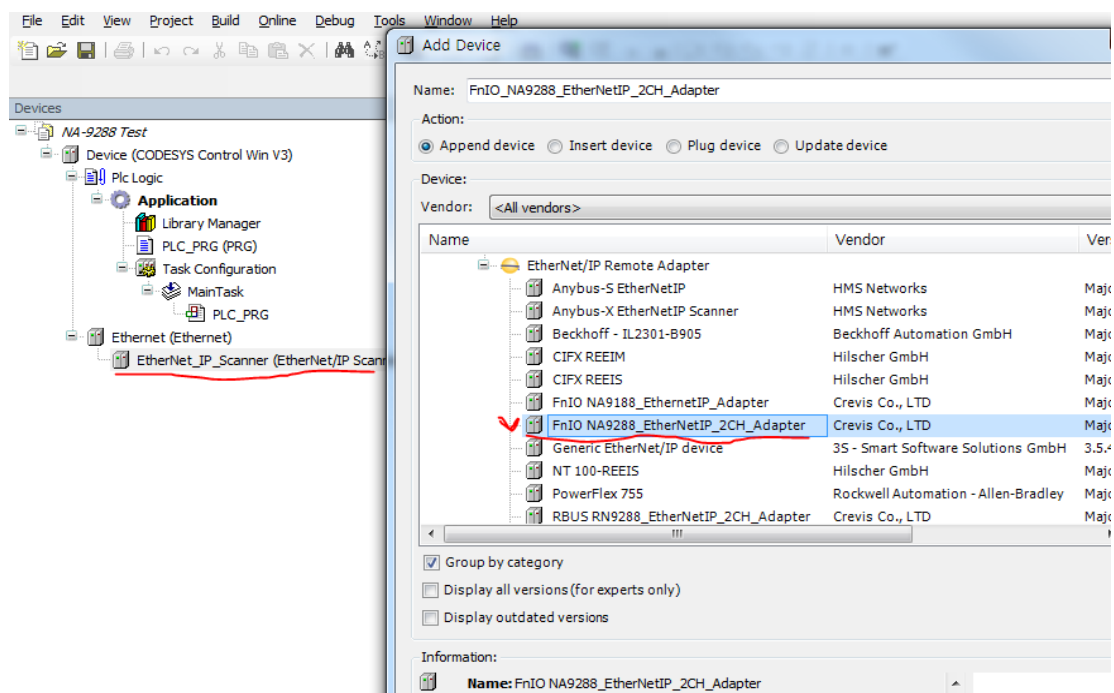
Select Add Device...



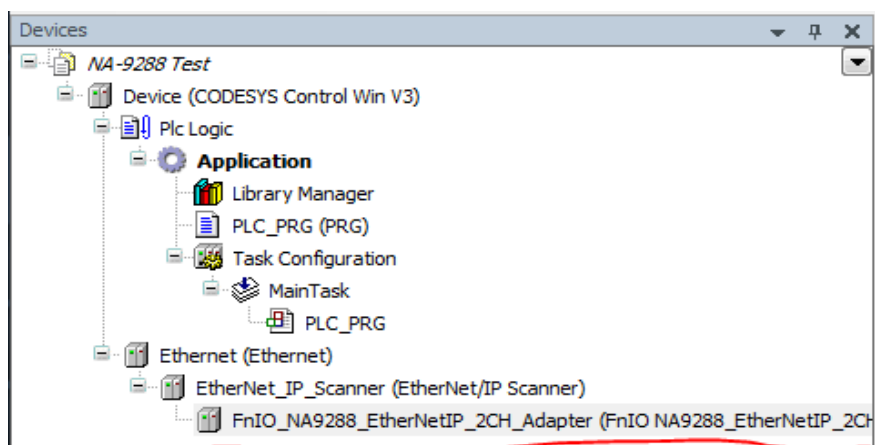
Choose the EtherNet Adapter and click the Add Device



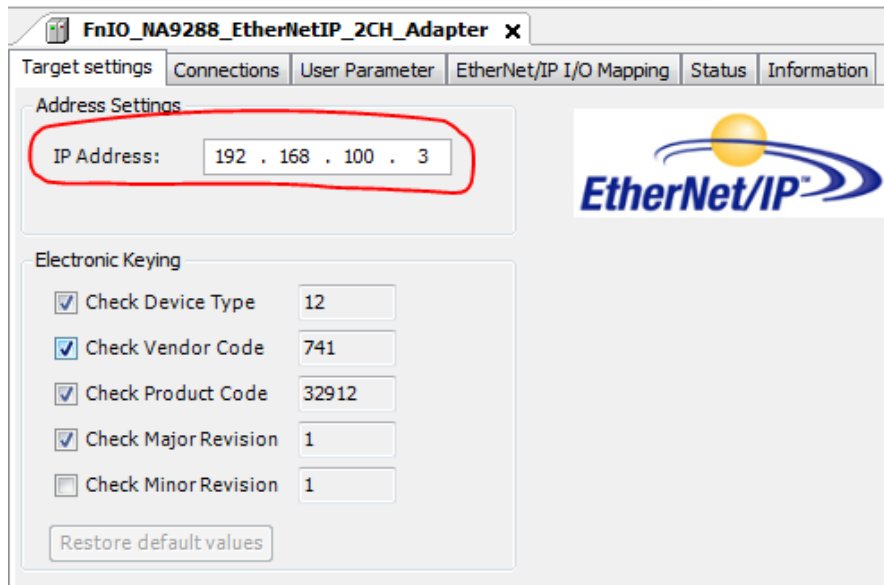
At the EtherNet Adapter, Install the EtherNet/IP Scanner from 3S Soft Solution GmbH



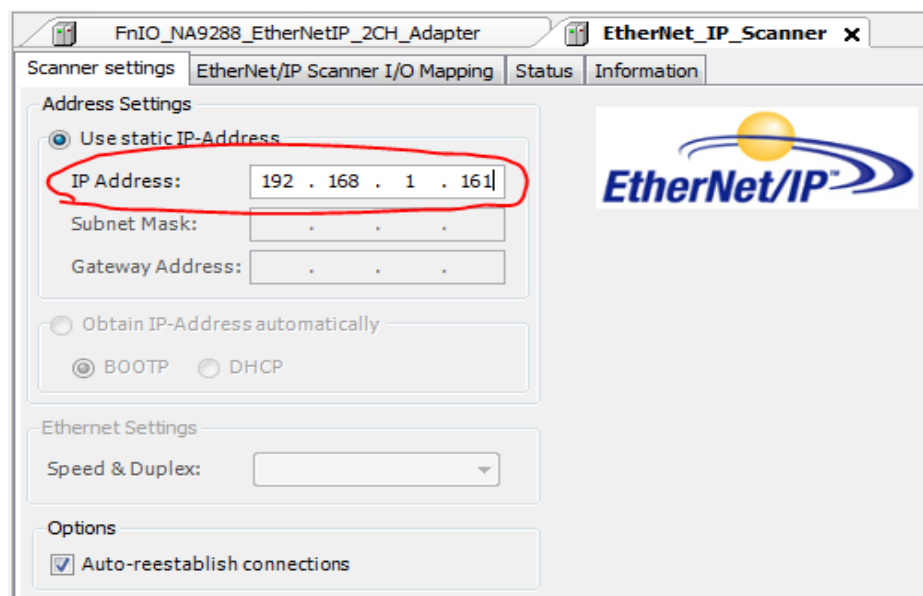
At the EtherNet/IP Scanner, append the NA-9188



Select the NA-9188 and put the IP address in 9188

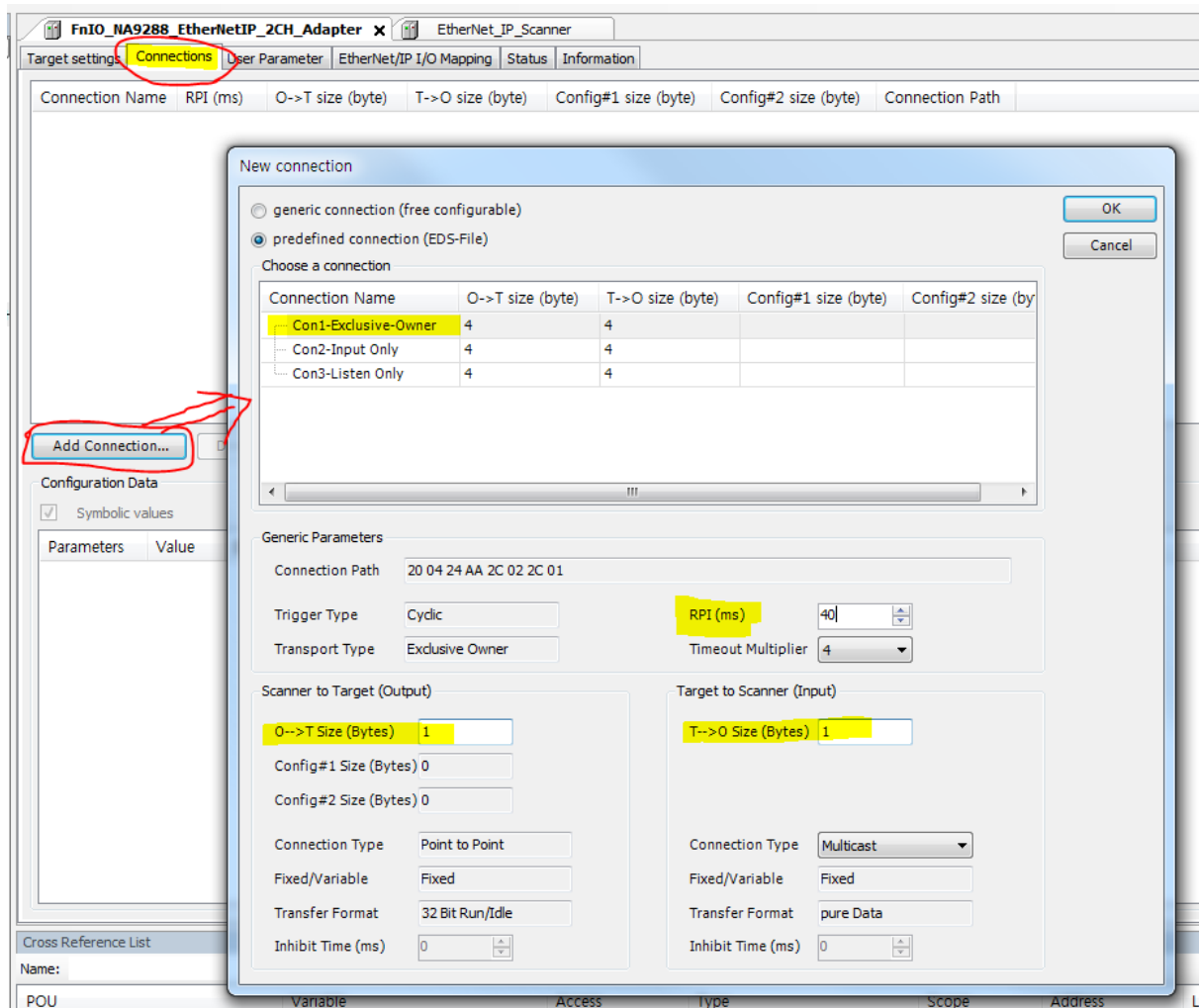


As by below, double click the EtherNet/IP Scanner, set the IP Address value same as PC



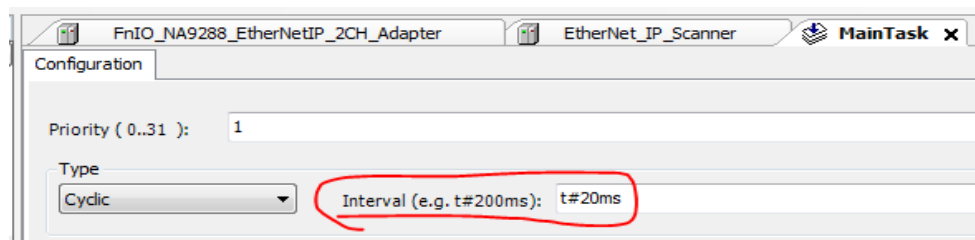
Now it had been installed EtherNet/IP Scanner and EtherNet/IP Adapter(9188)

Next step, append the I/O Connection into the EtherNet/IP Adapter



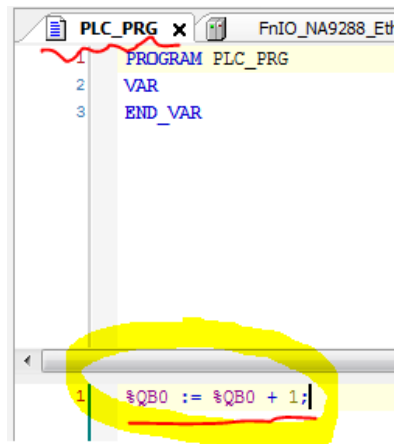
Select the Connection tap and Add Connection. Select the Exclusive owner/Input Only/Listen Only as for your application. And set the IO data size the O->T (output) and T->O (input) as your EtherNetIP module.

(Cation: RPI should be multiflex number for Task Cycle time)



It is available as upper for the Task Cycle time.

Example code for the NA-9188

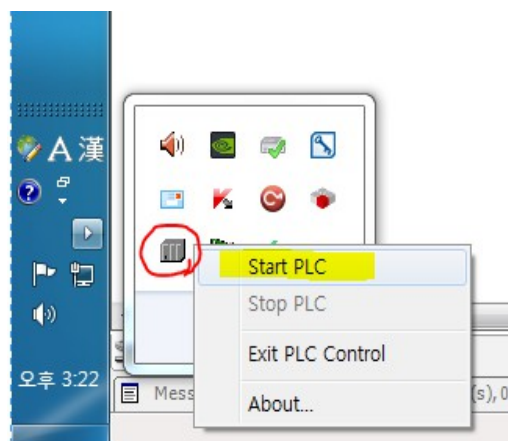


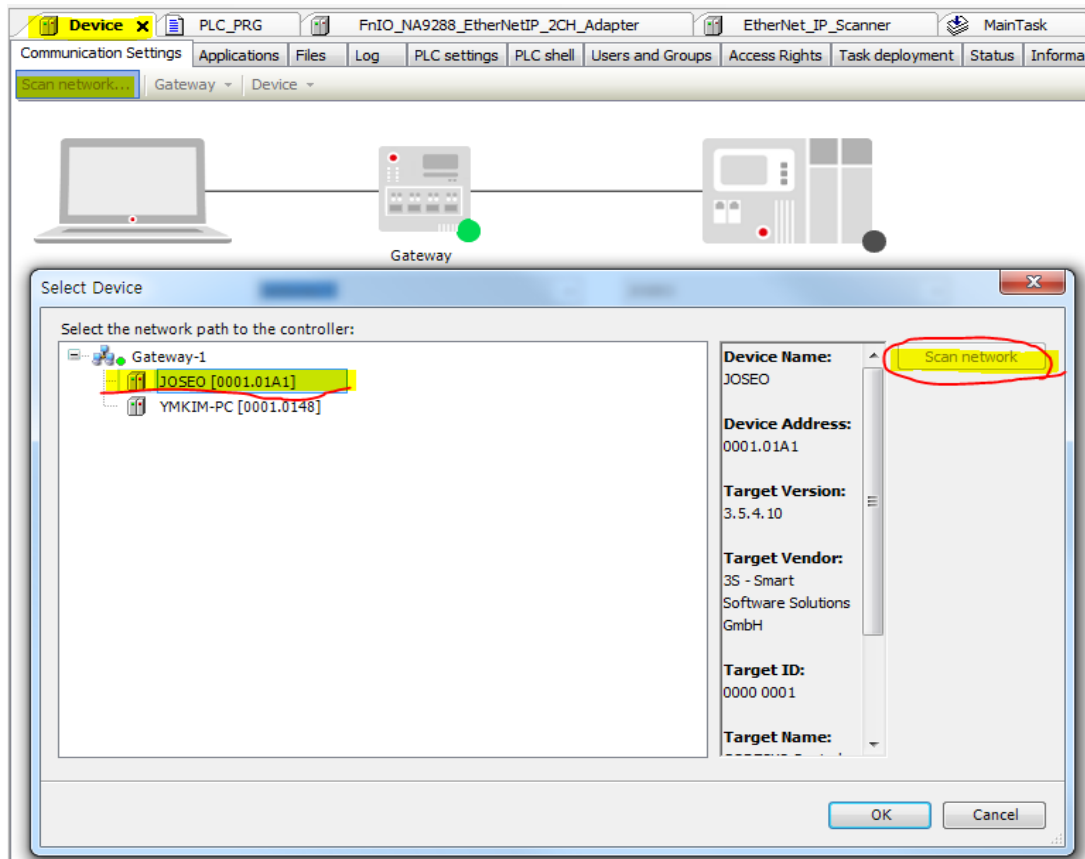
This is the increase the 1bit for the 8-Channel Digital Output의 Address %QB0

| Variable | Mapping | Channel | Address | Type | Unit | Description |
|----------|---------|------------|---------|----------------------|------|-------------|
| | | Input1 | %IB0 | ARRAY [0..0] OF BYTE | | |
| | | Output1 | %QB0 | ARRAY [0..0] OF BYTE | | |
| | | Output1[0] | %QB0 | BYTE | | |
| | | Bit0 | %QX0.0 | BOOL | | |
| | | Bit1 | %QX0.1 | BOOL | | |
| | | Bit2 | %QX0.2 | BOOL | | |
| | | Bit3 | %QX0.3 | BOOL | | |
| | | Bit4 | %QX0.4 | BOOL | | |
| | | Bit5 | %QX0.5 | BOOL | | |
| | | Bit6 | %QX0.6 | BOOL | | |
| | | Bit7 | %QX0.7 | BOOL | | |

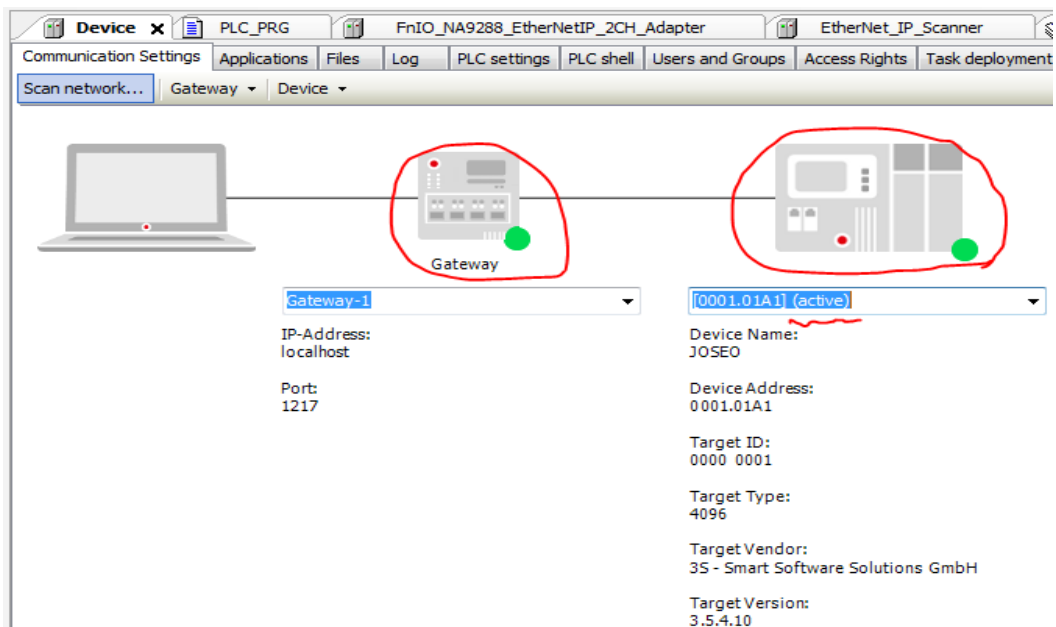
You can check the address from EtherNet/IP I/O mapping

Now start the Soft PLC as below



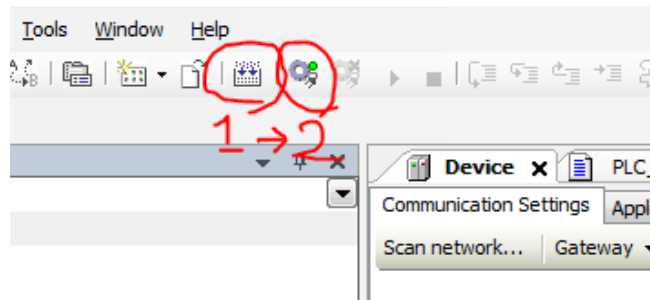


Double click the Device and set the communication setting. And select your PC in Gateway



The Green lamp is indicate for the normal opreating status.

Set the Build and Login



Observe the real module.

