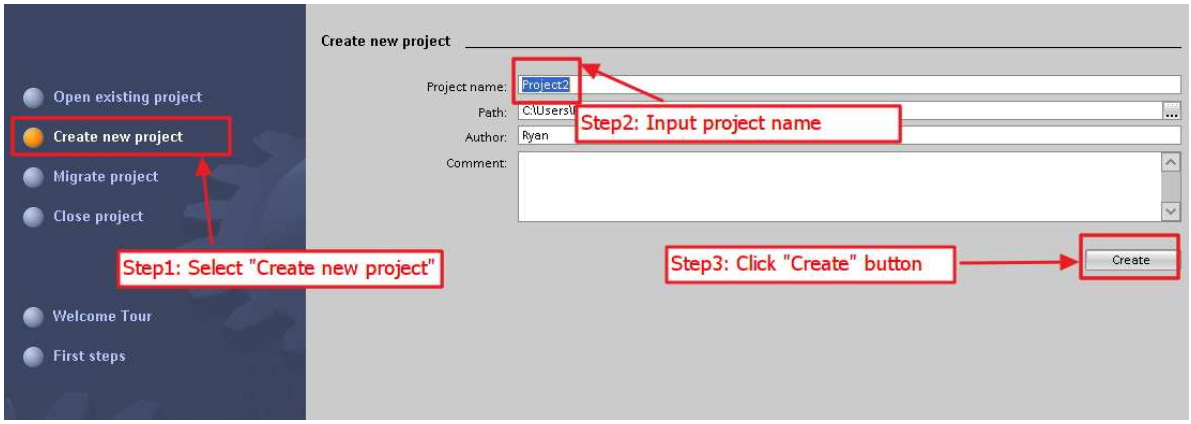
How to setup configuration between I-7580 and SIMATIC TIA portal?

In this example, please follow the step to setup project.

Step 1: Create the project

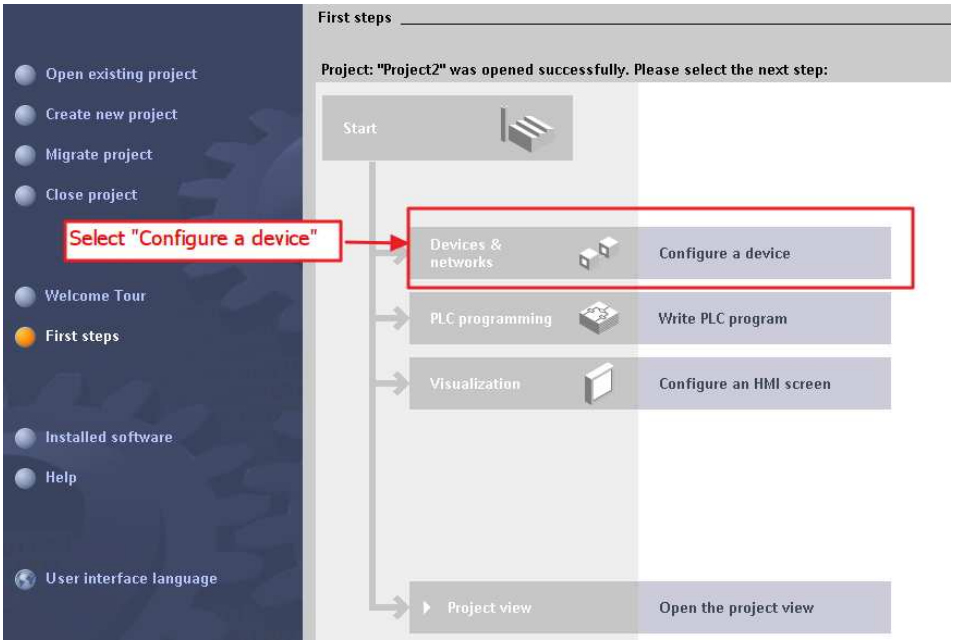
- Double Click TIA icon to start Step 7 V11

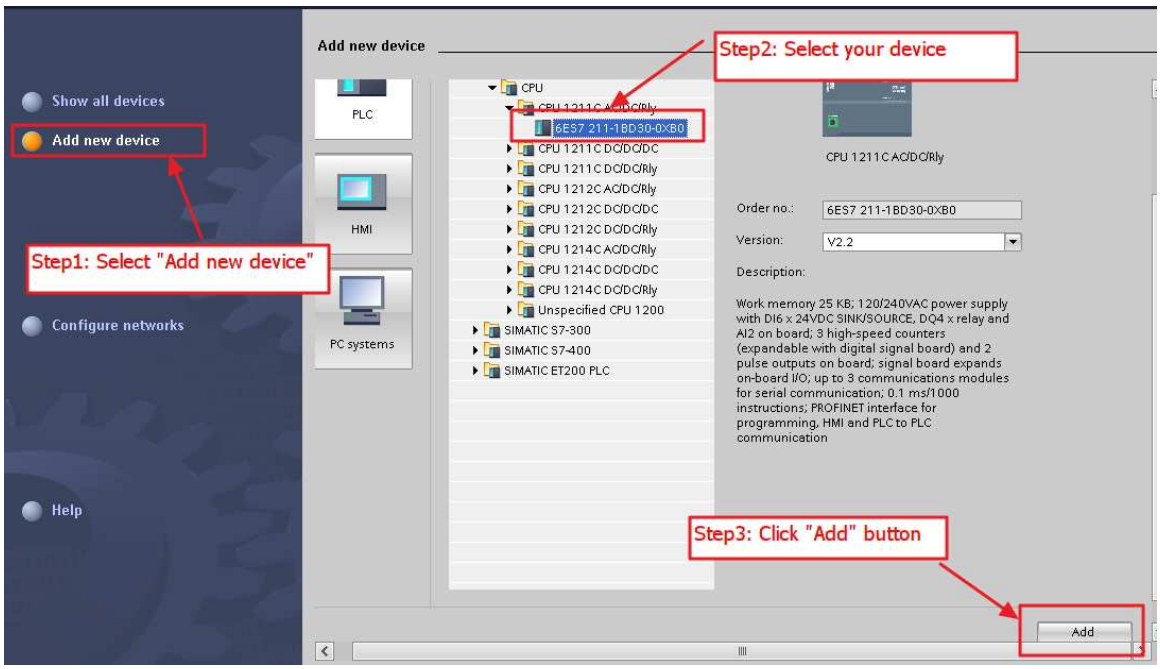
- Create the Project



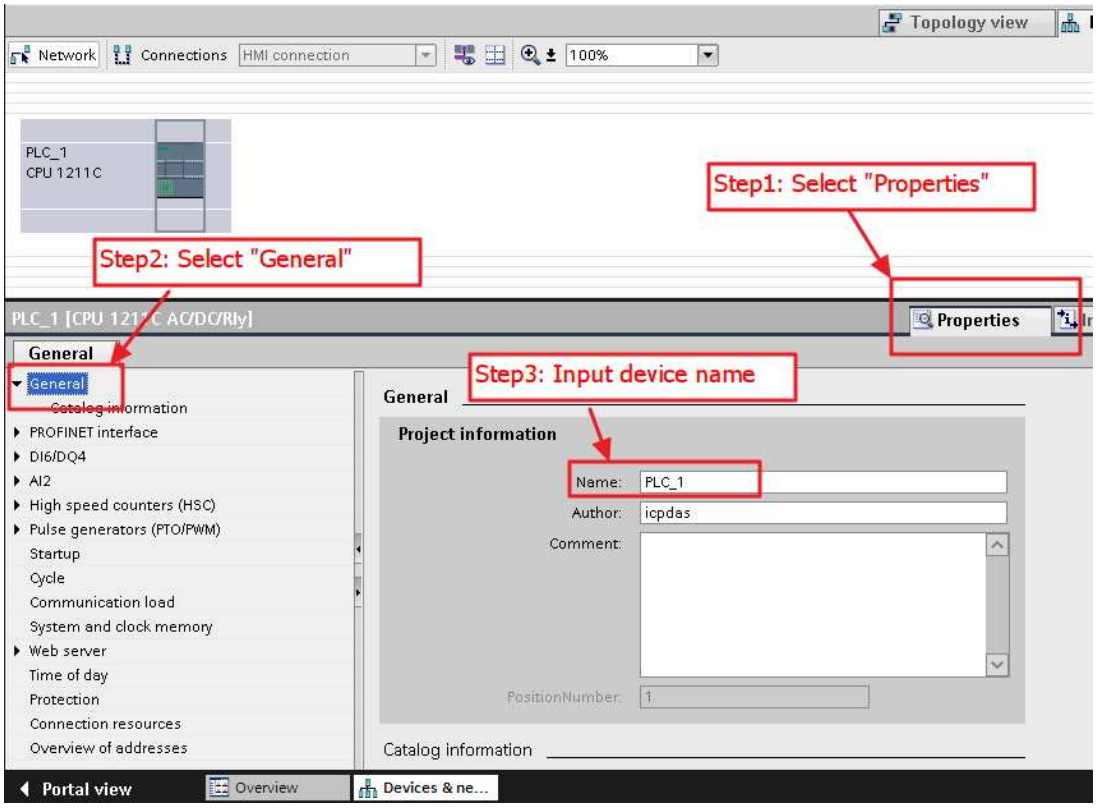
Step 2: Project configuration

- Add a PLC device

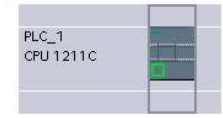


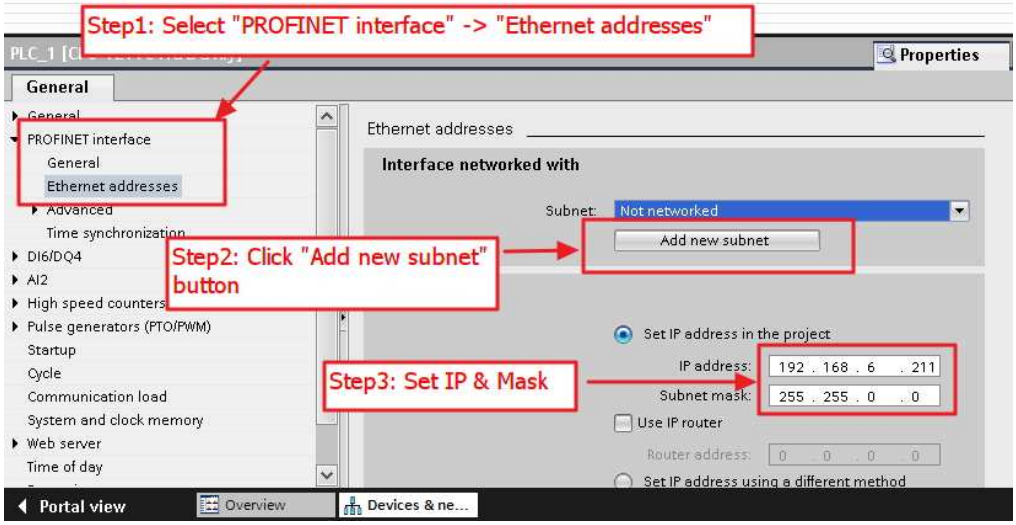


◆ Set the device name of PLC to “PLC_1”

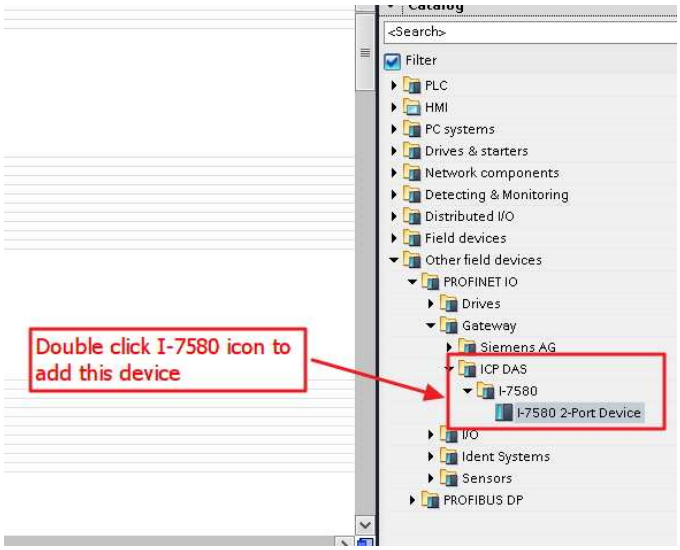


- Set the IP and mask of PLC and add a new subnet

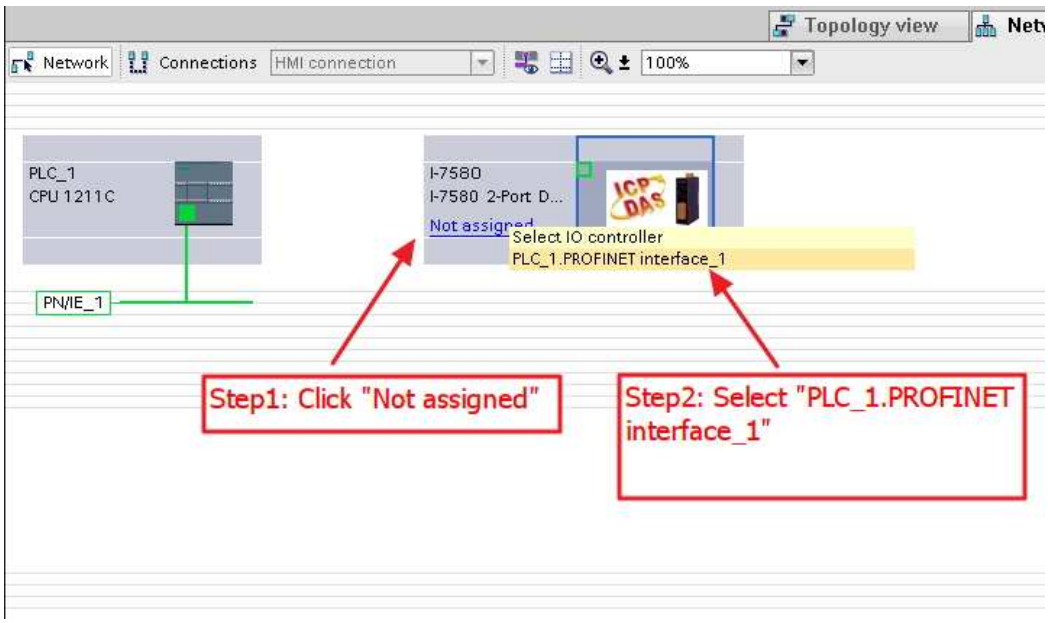




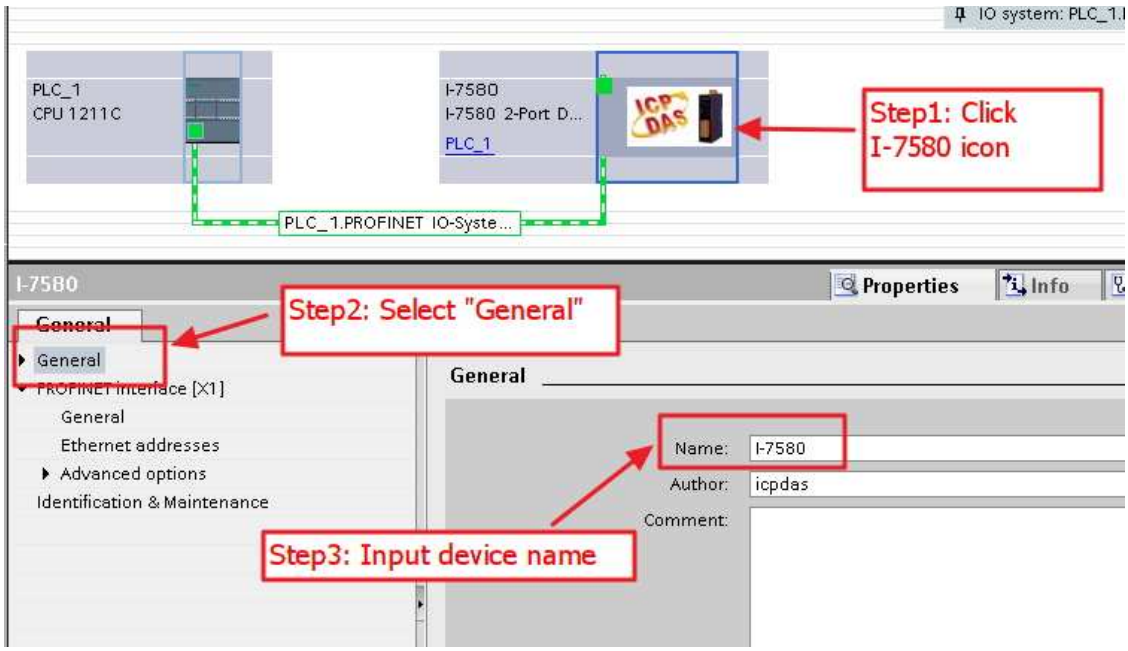
- Add I-7580 module



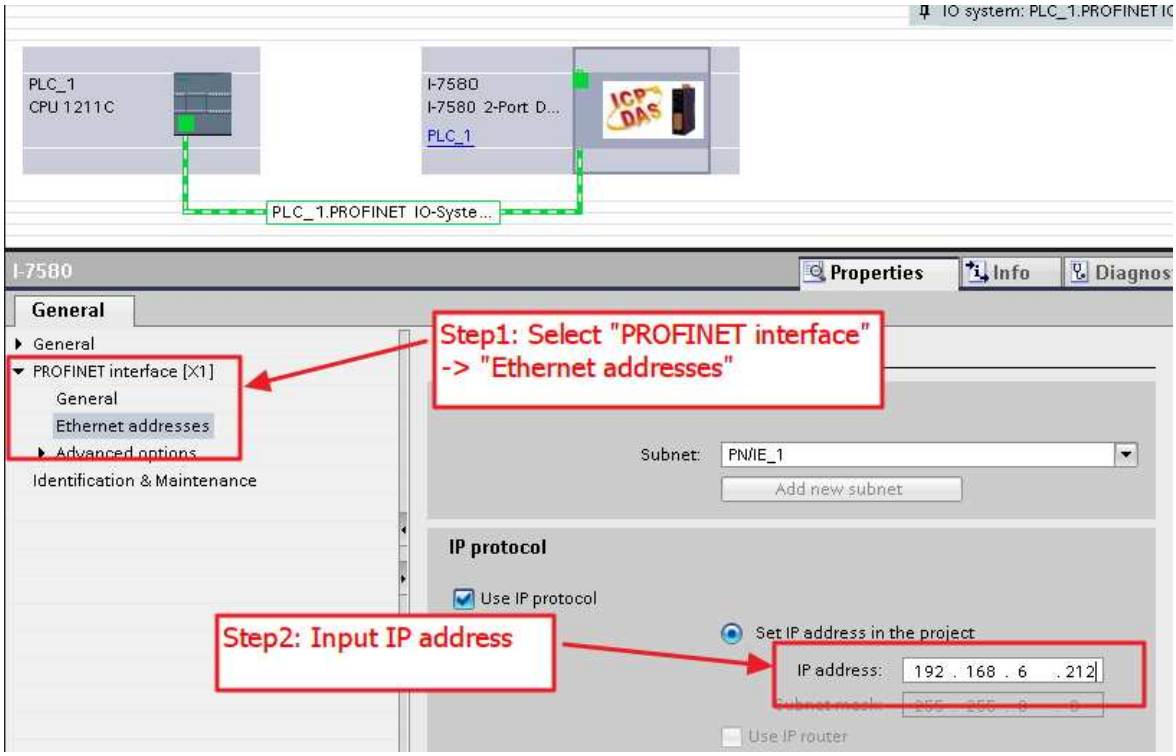
- Select PROFINET interface



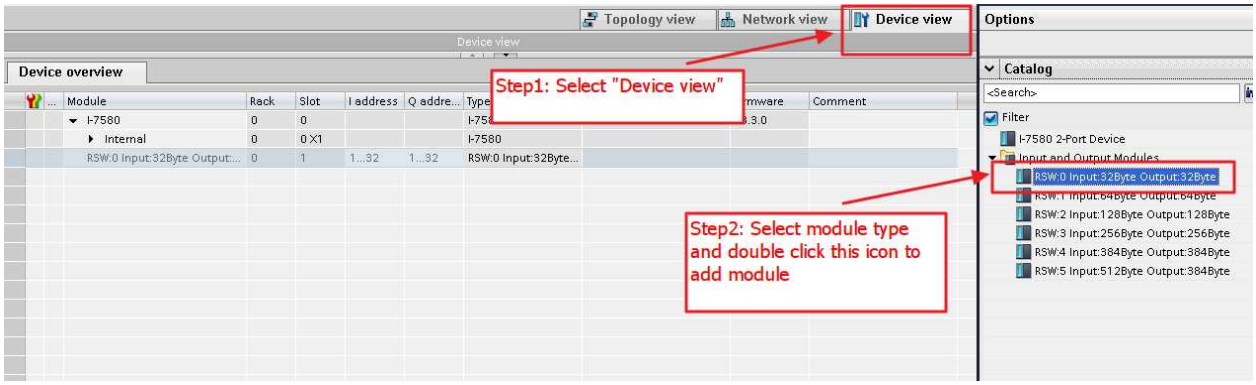
- Set device name to “i-7580”



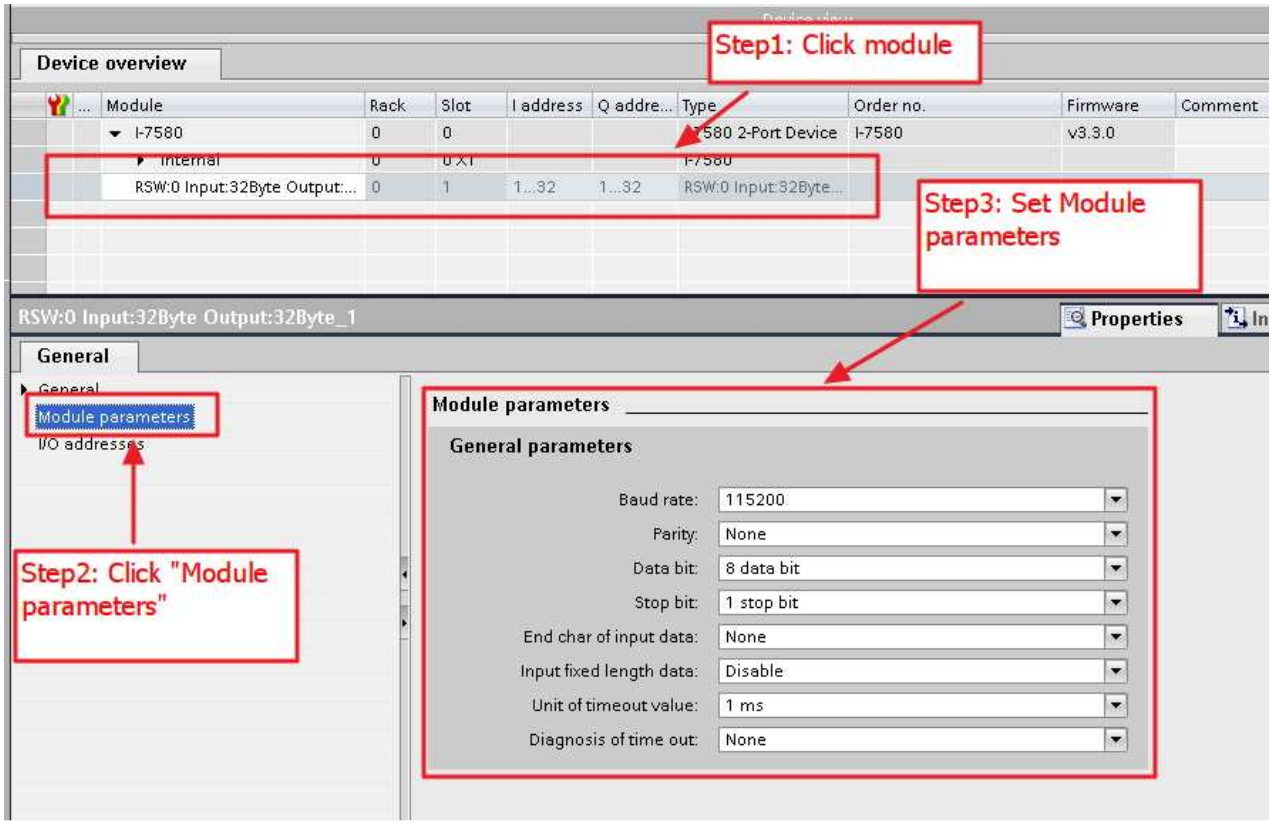
◆ Set the IP of I-7580 module



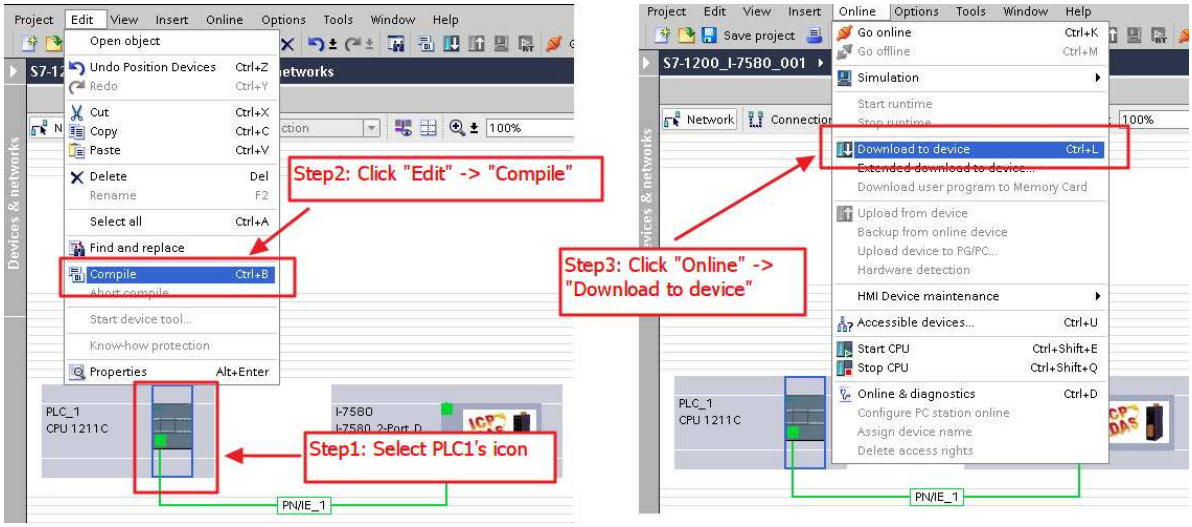
◆ Select module type of I-7580 module

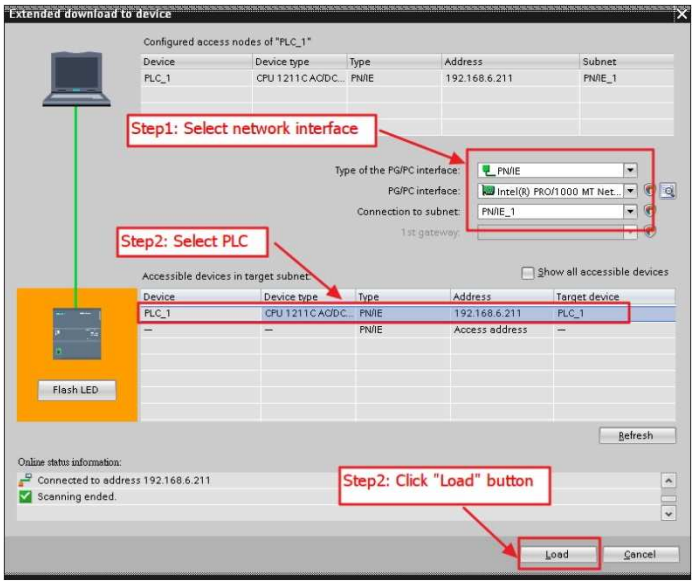


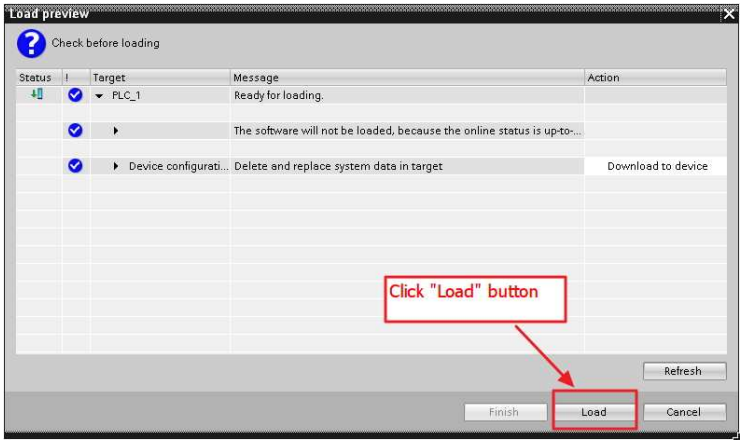
- Set module parameters of I-7580 module

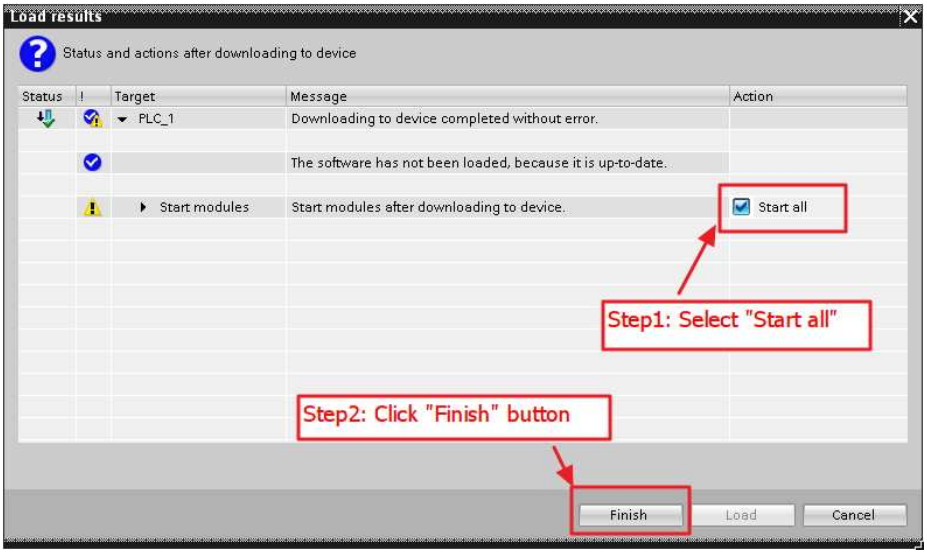


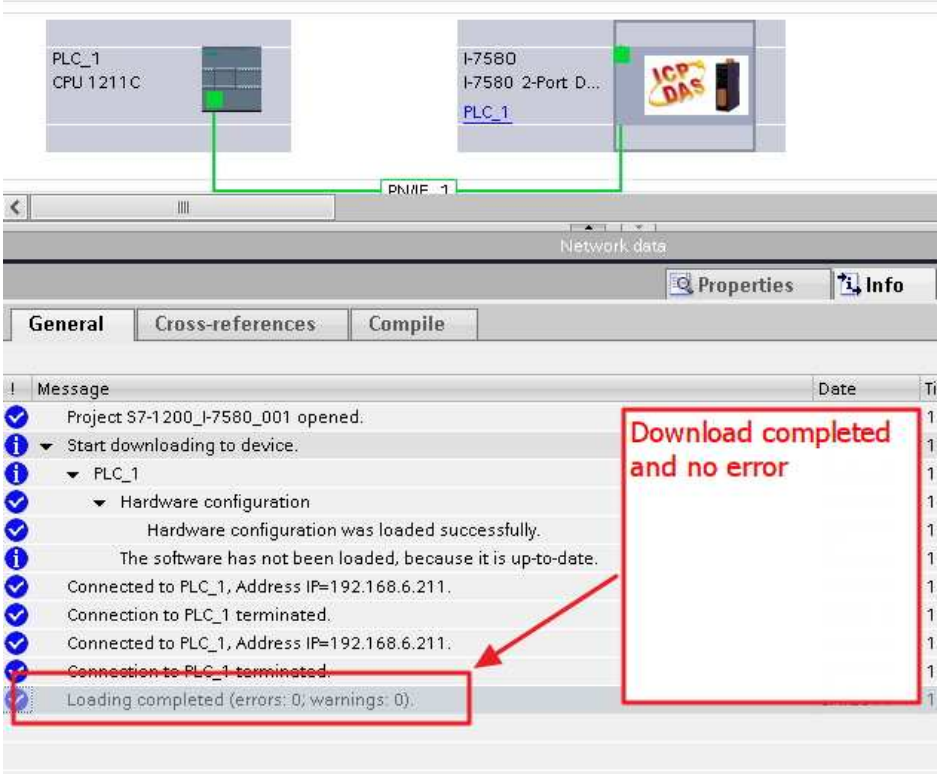
- Compile and download to device




Extended download to device
Configured access nodes of "PLC_1"
Device
Device type
Type
Address
Subnet
PLC_1
CPU 1211C AC/DC...
PN/IE
192.168.6.211
PN/IE_1
Step1: Select network interface
Type of the PG/PC interface:
PN/IE
PG/PC interface:
Intel(R) PRO/1000 MT Net...
Connection to subnet:
PN/IE_1
1st gateway:
Step2: Select PLC
Accessible devices in target subnet:
Show all accessible devices
Device
Device type
Type
Address
Target device
PLC_1
CPU 1211C AC/DC...
PN/IE
192.168.6.211
PLC_1
PN/IE
Access address
Flash LED
Refresh
Online status information:
Connected to address 192.168.6.211
Scanning ended.
Step2: Click "Load" button
Load
Cancel


Load preview
Check before loading
Status
!
Target
Message
Action
PLC_1
Ready for loading.
The software will not be loaded, because the online status is up-to-...
Device configurati...
Delete and replace system data in target
Download to device
Click "Load" button
Refresh
Finish
Load
Cancel


Load results
Status and actions after downloading to device
Status
!
Target
Message
Action
PLC_1
Downloading to device completed without error.
The software has not been loaded, because it is up-to-date.
Start modules
Start modules after downloading to device.
Start all
Step1: Select "Start all"
Step2: Click "Finish" button
Finish
Load
Cancel



At this time, the AP LED should turn on, BOOT LED and ERR LED should turn off, it means the connection between PLC and I-7580 module is established.