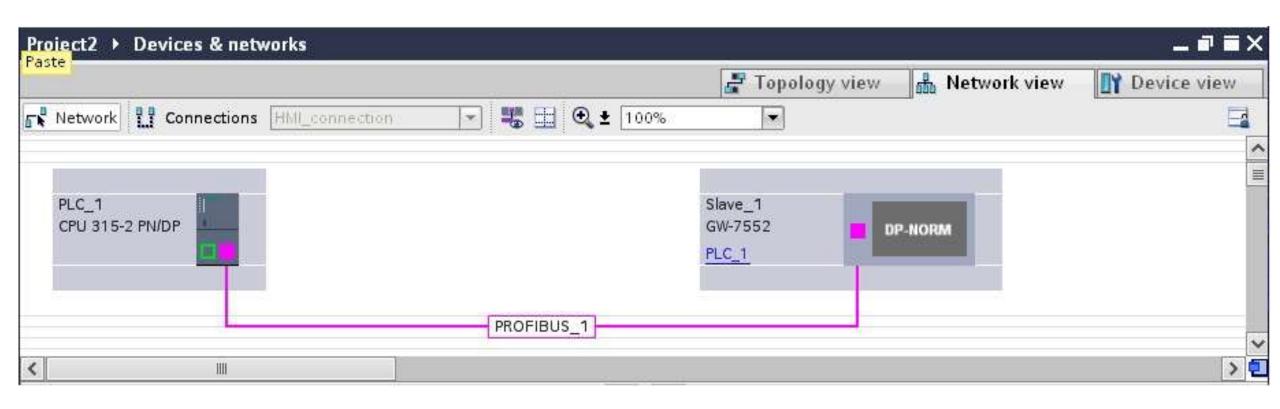
# GW-7552 (Modbus RTU Master) Example for SIMATIC STEP 7(TIA Portal)

- Before Connecting
- Example 1:Reads and Writes DO module data
- Example 2:Reads DI module data
- Example 3:Reads and Writes AO module data
- Example 4:Reads AI module data

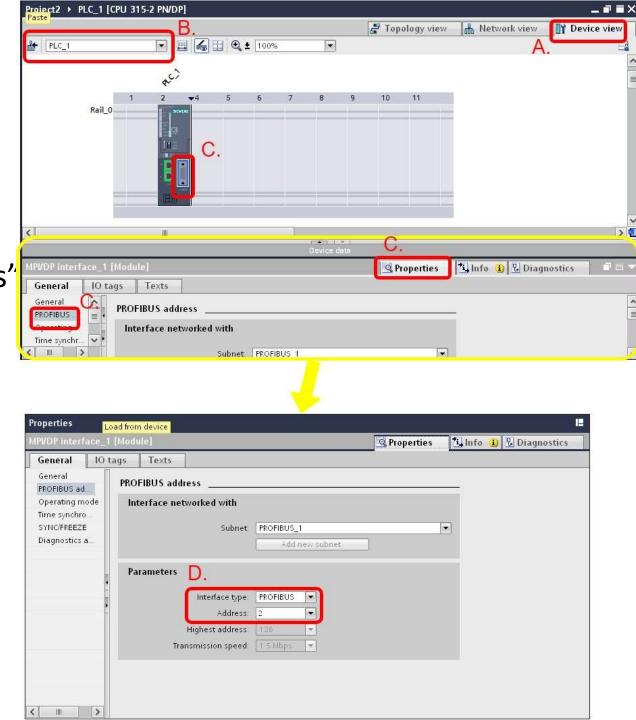
# Before connecting

Add a PROFIBUS master system and a PROFIBUS slave (GW-7552)



#### Set the address of PLC as below

- (A) Click "Device view"
- (B) Select "PLC\_1" (Which PLC you connect to GW-7552)
- (C) Click "Properties" and "PROFIBUS address"
- (D) Set "interface type"=PROFIBUS and set "Address"=2



#### Set GW-7552 comport setting as below

- (A) Select "Slave\_1" (Select the slave which is GW-7552)
- (B) Select "Properties" and "Device-specific"
- (C) Set comport:

Buad rate: 115200 baud

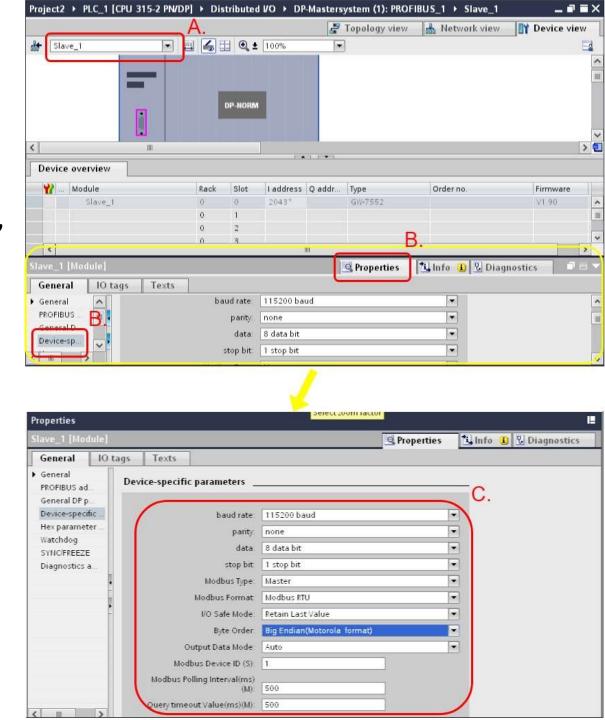
Parity: None

Data bit: 8

Stop bit: 1

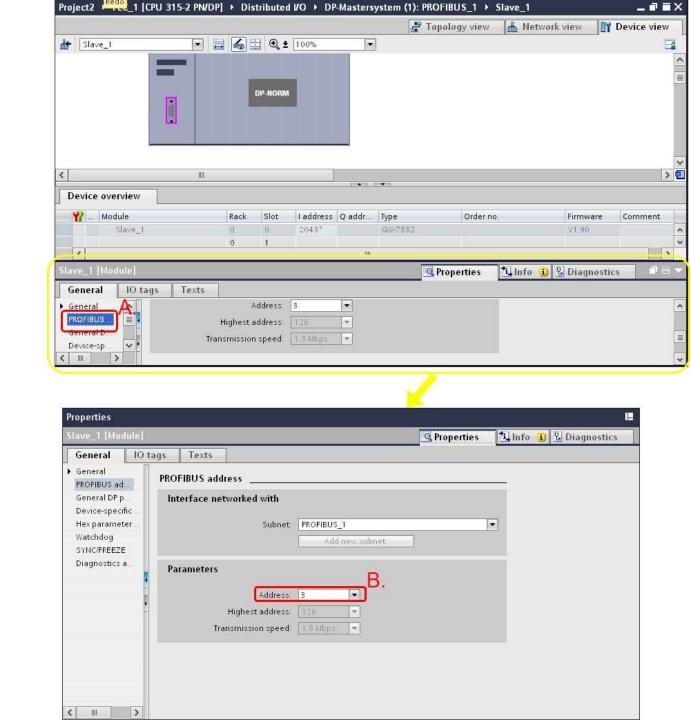
Byte order: Big Endian

Output Data Mode: Auto



#### Set the address of GW-7552 as below

- (A) Click "Properties" and "PROFIBUS address"
- (B) Set "Address"=3



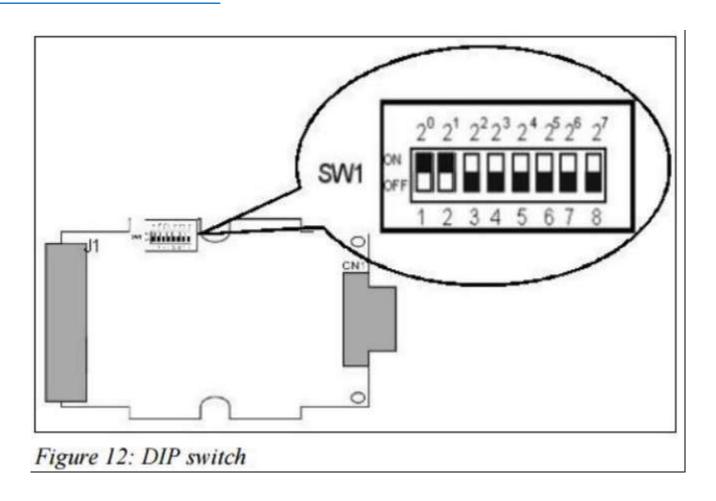
# Before connecting

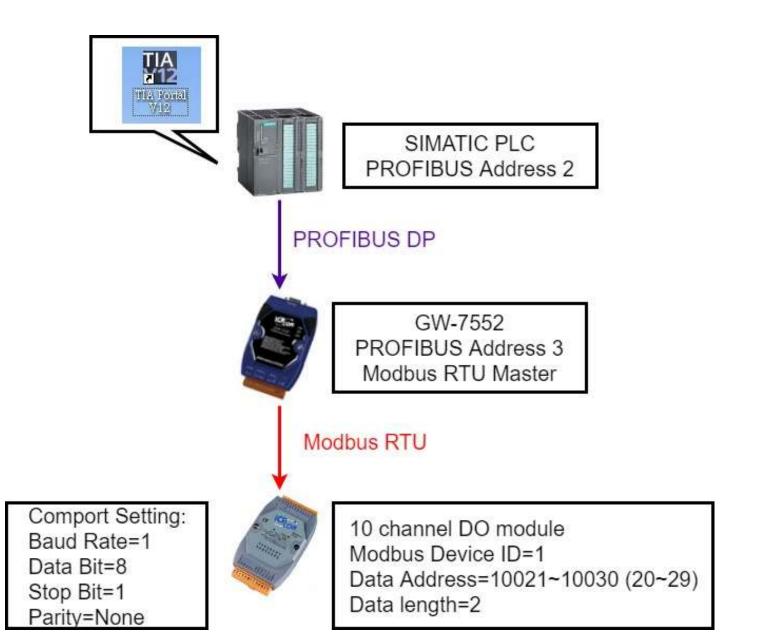
- Make sure the switch of the GW-7552 is at Normal mode
- Refer to GW7552 user manual 2.6

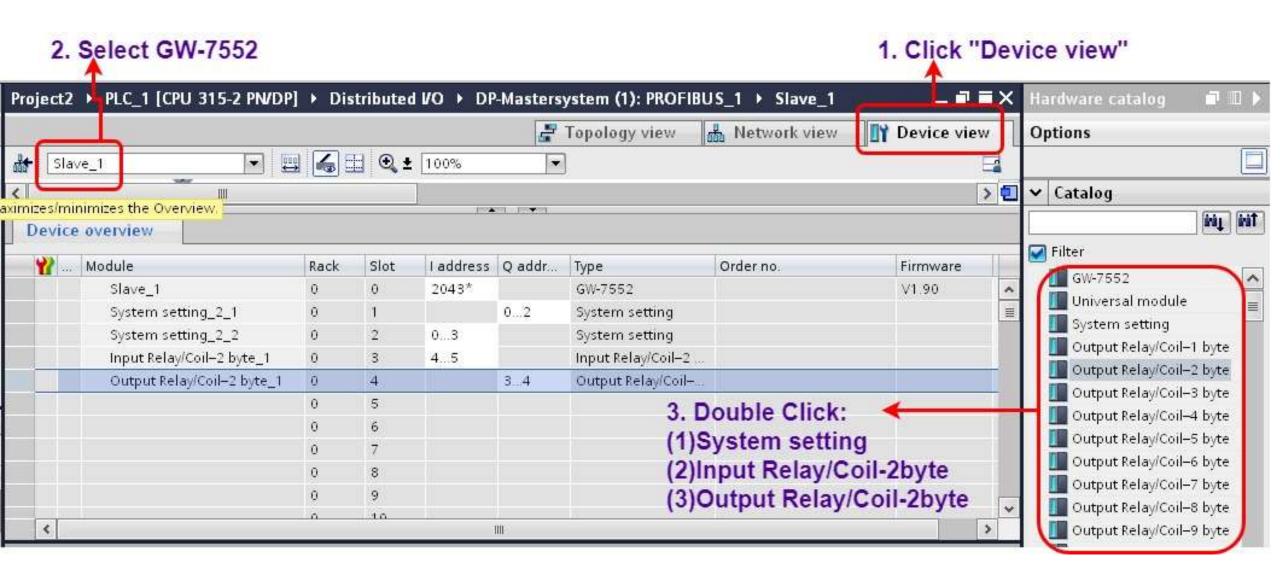


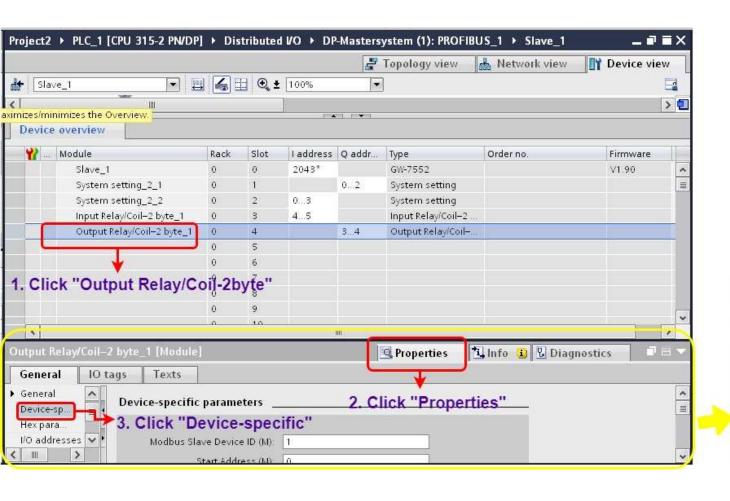
# Before connecting

- Setup the address by the DIP switch to set GW-7552's address as 3 in PROFIBUS
- Refer to GW-7552 user manual 2.4

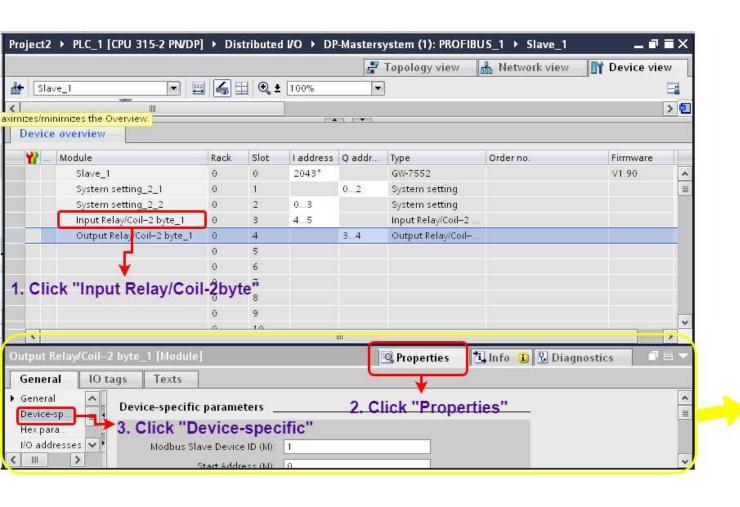


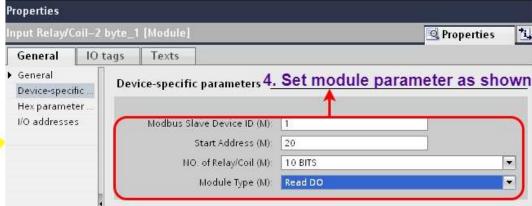




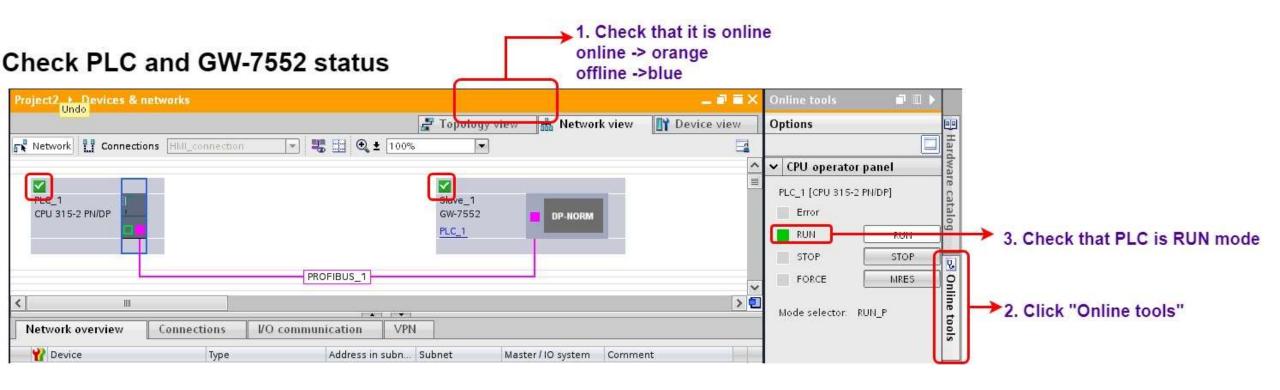


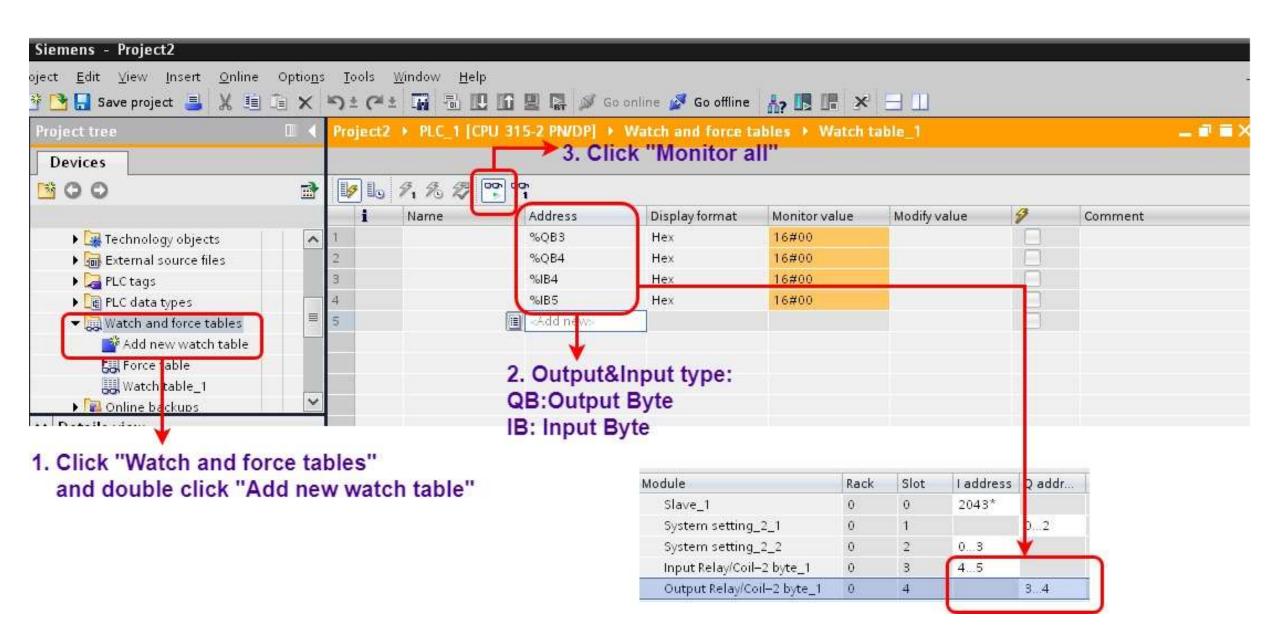




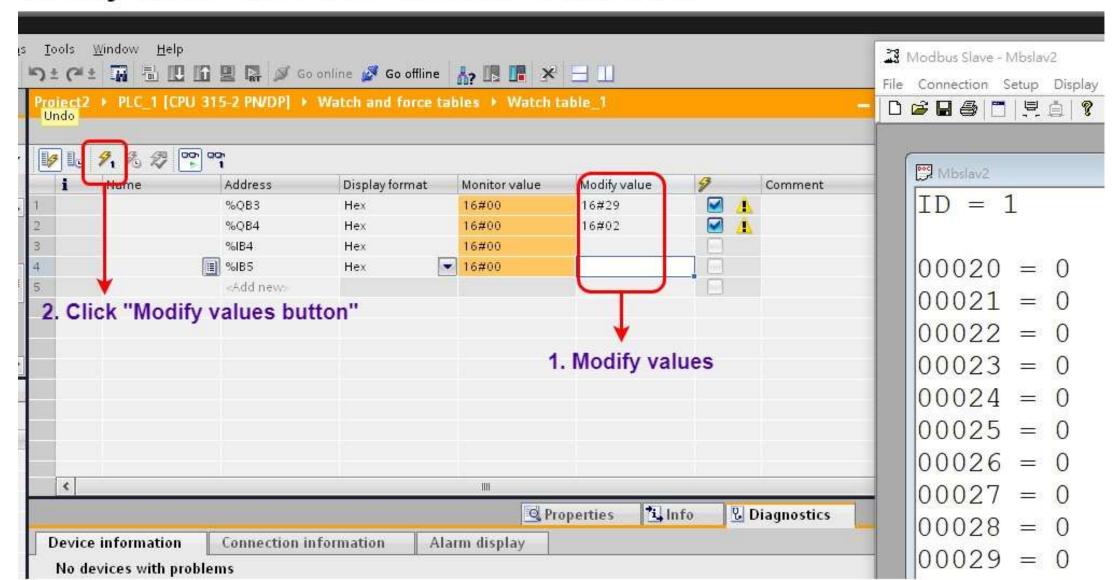




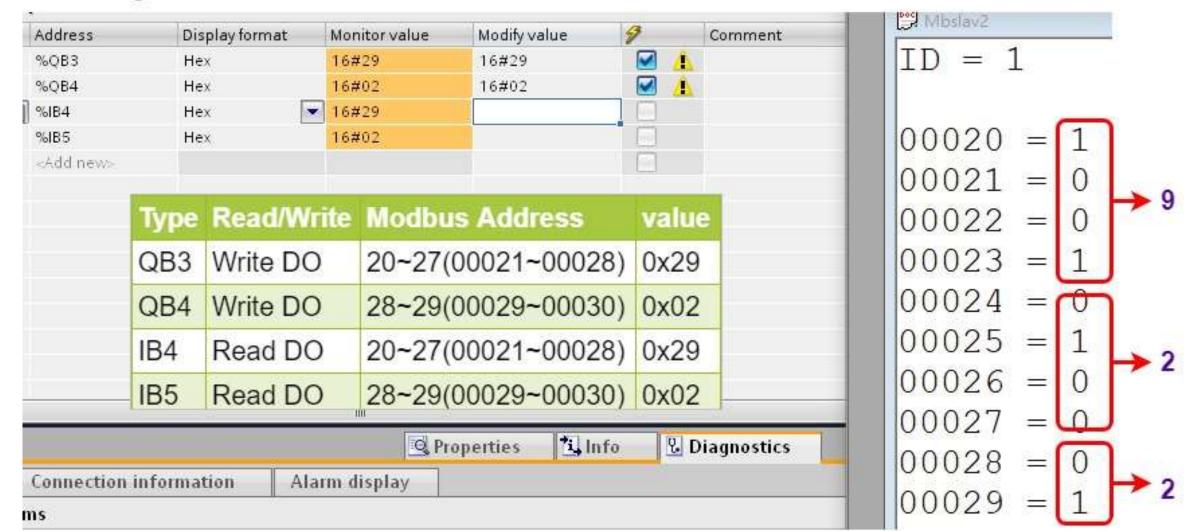


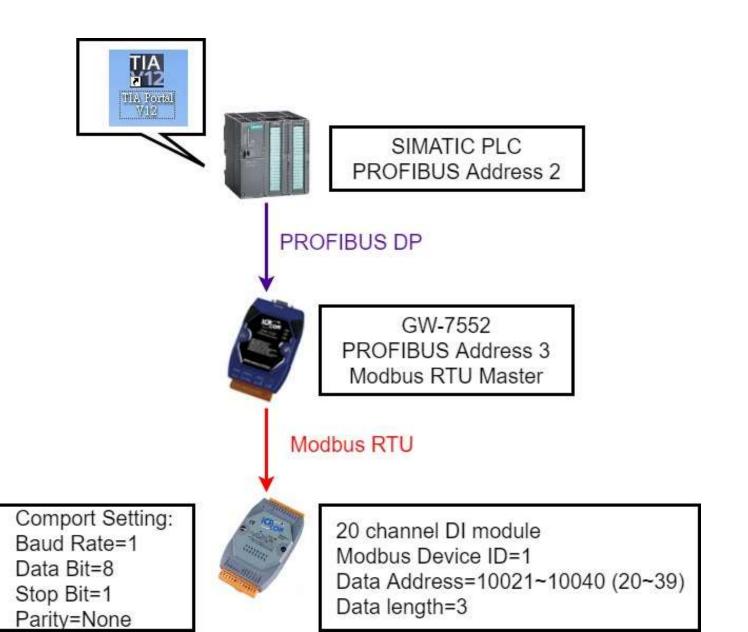


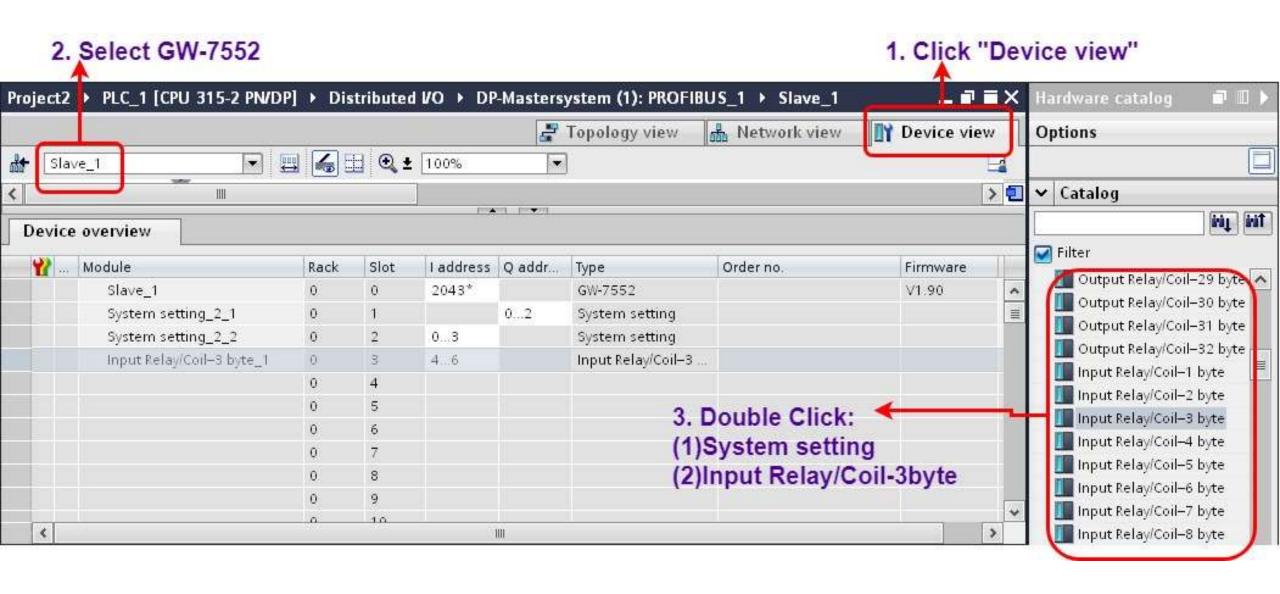
#### Modify values and Send Modbus commands

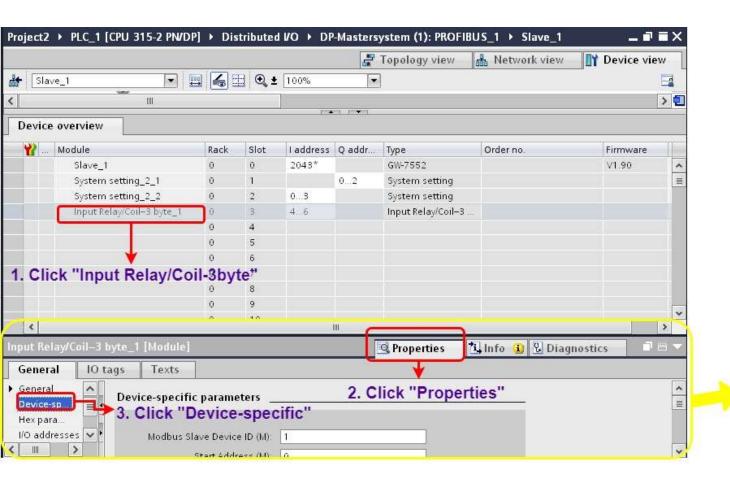


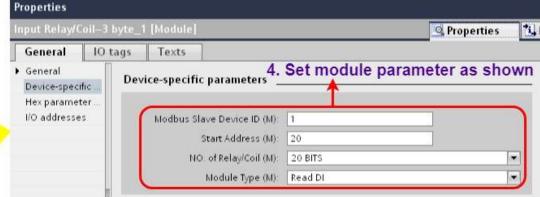
#### Modify values and Send Modbus commands

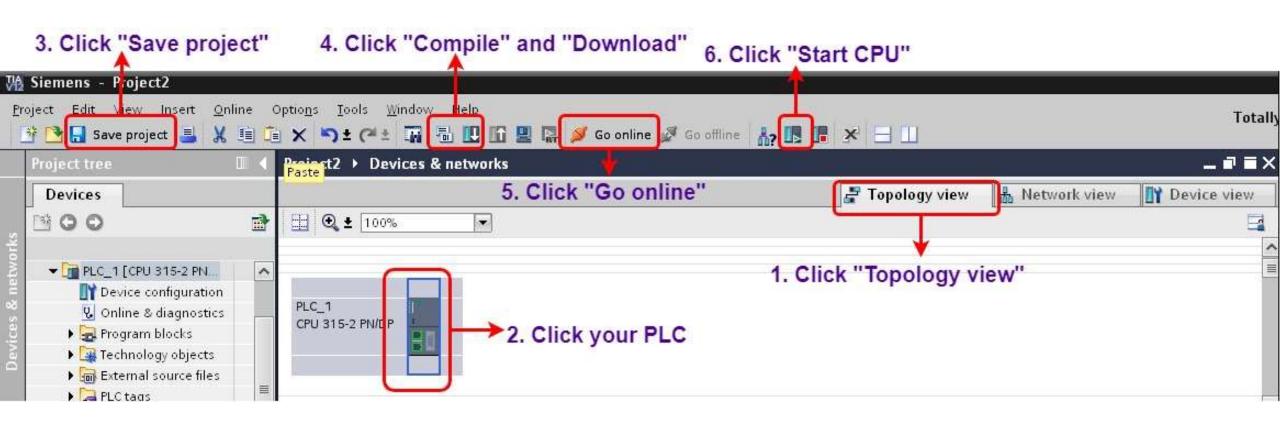


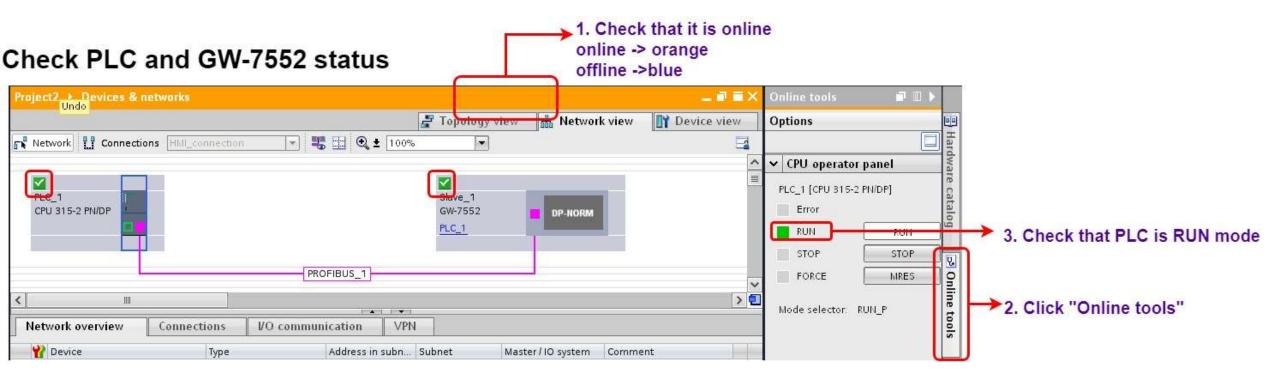


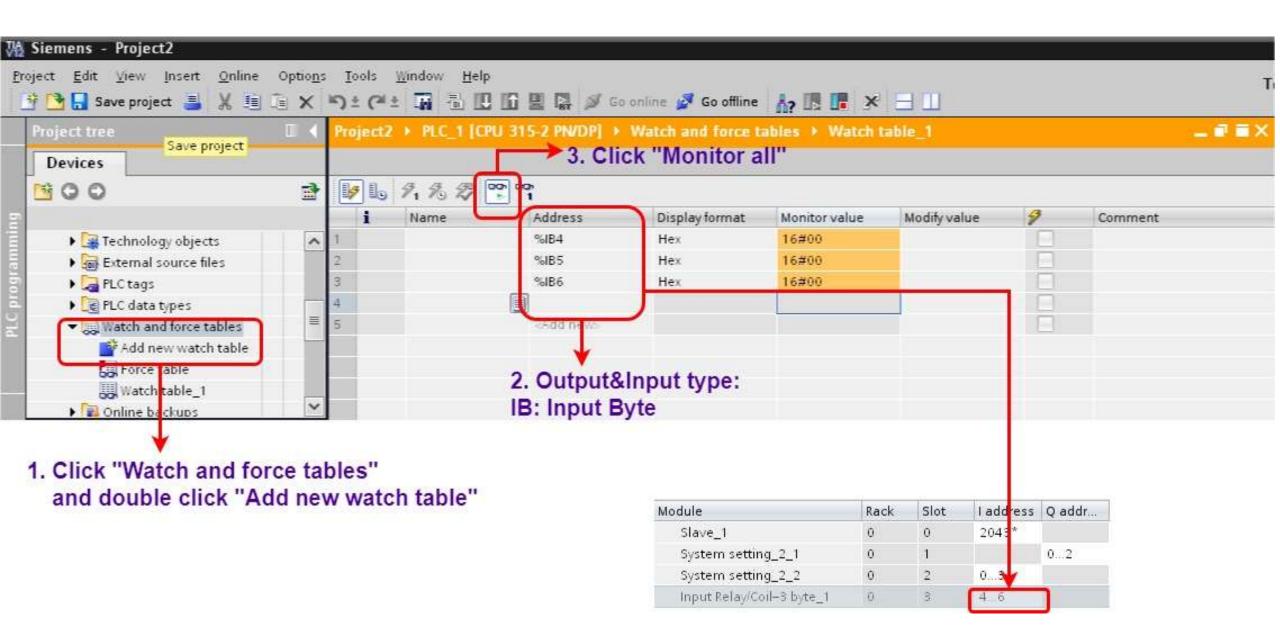




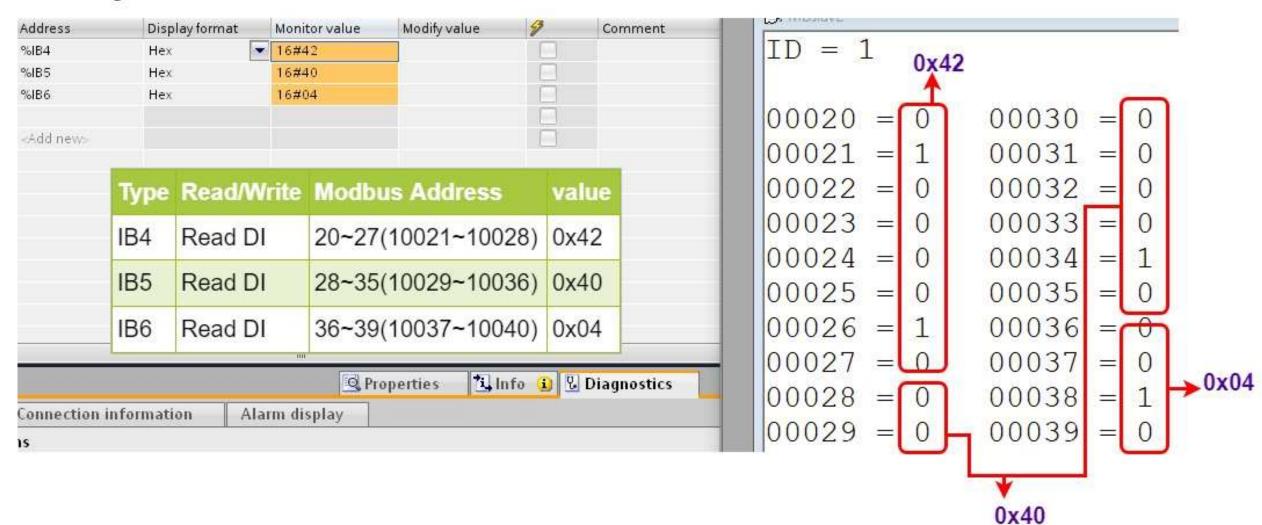


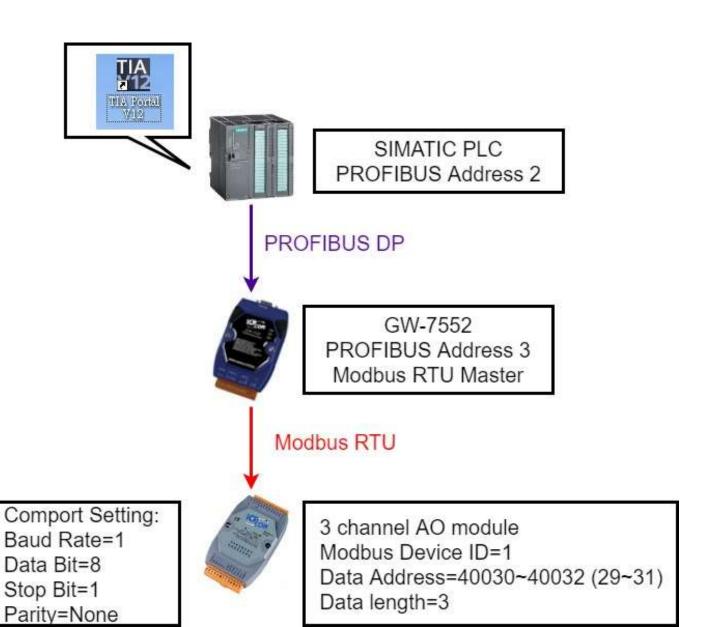


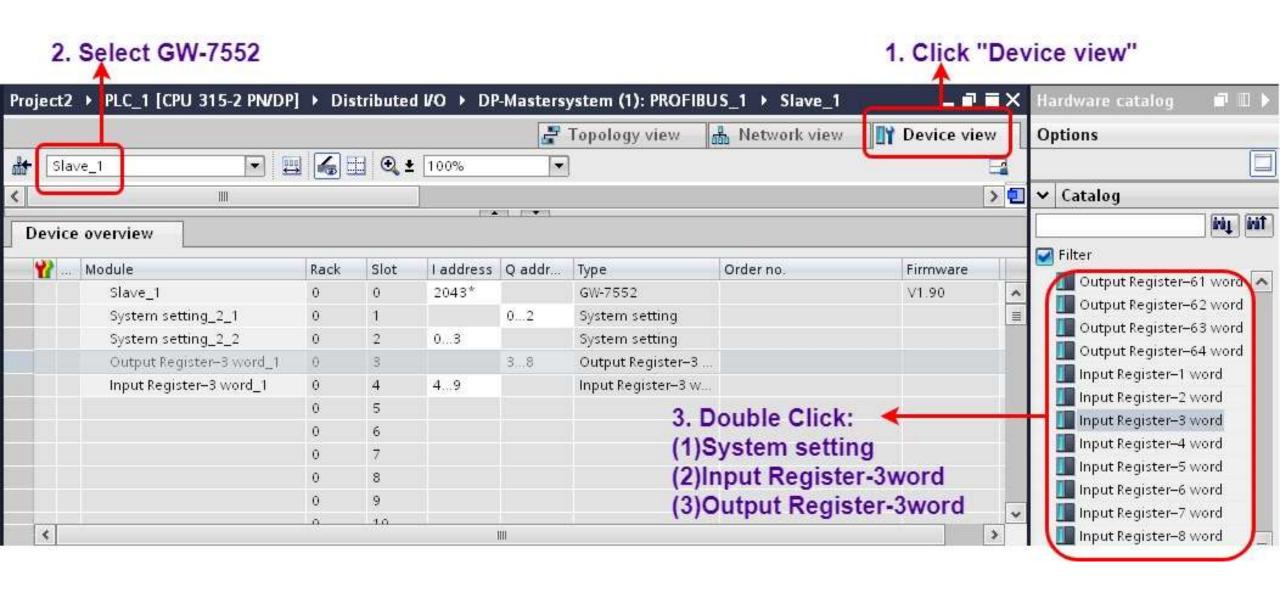


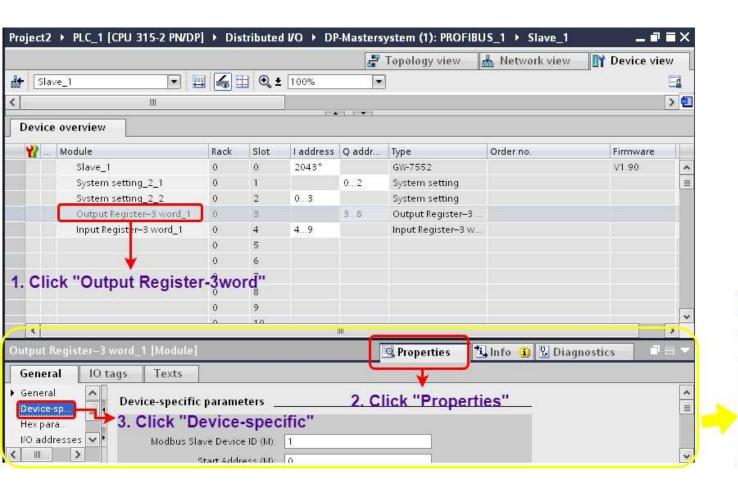


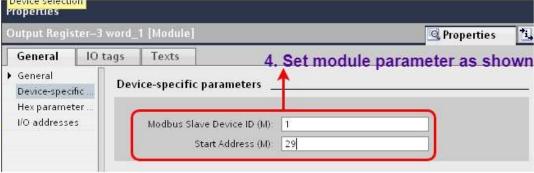
#### Modify values and Send Modbus commands

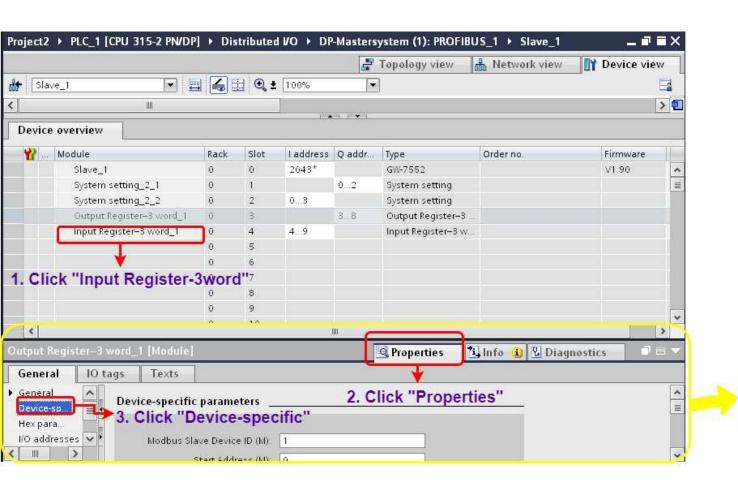


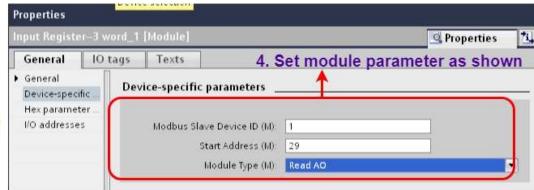




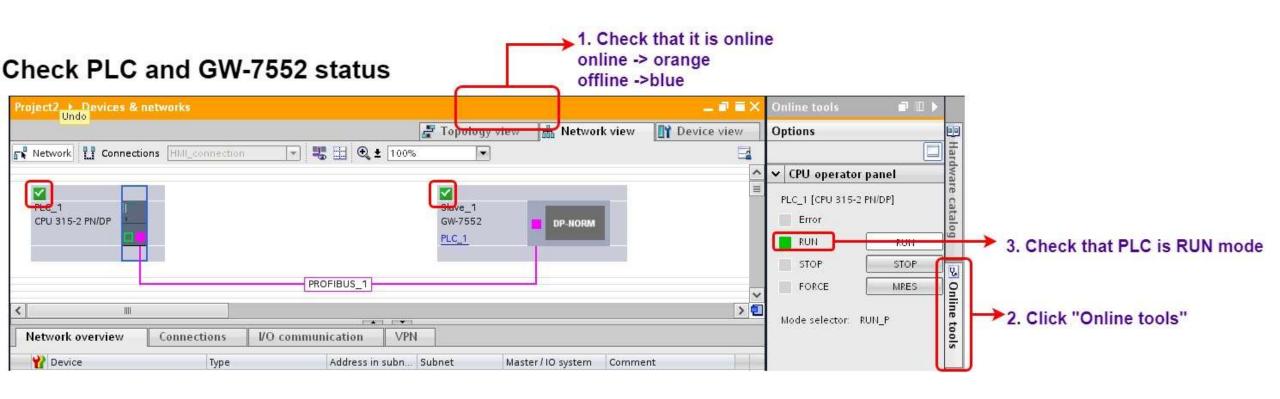


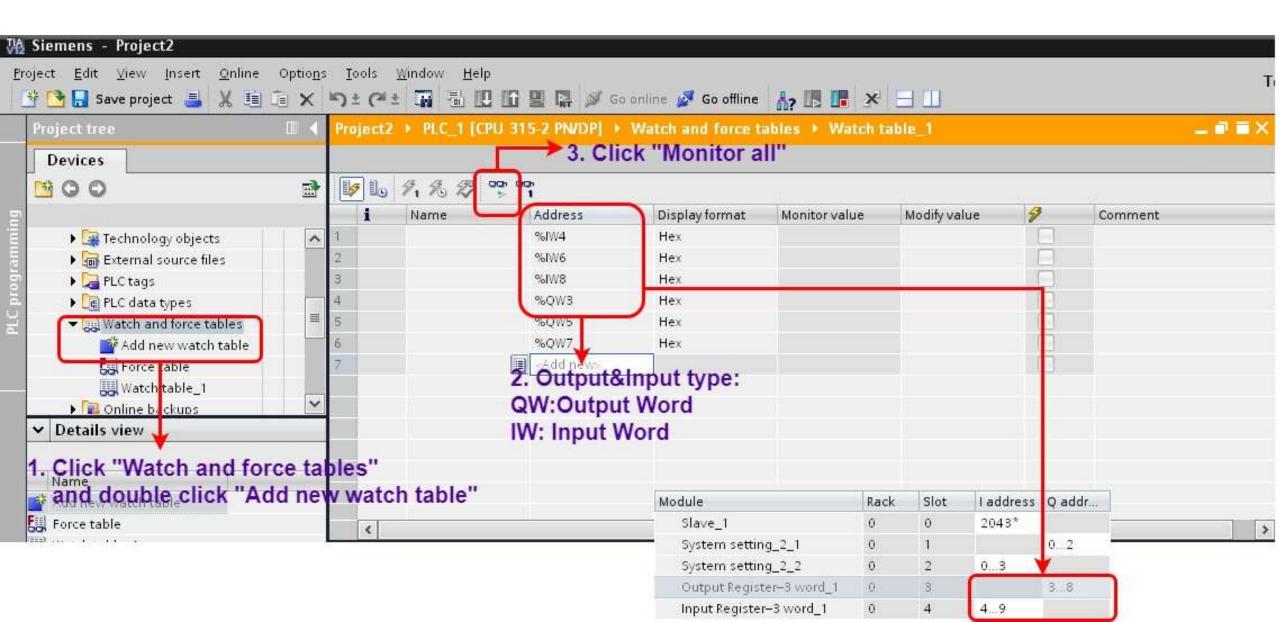




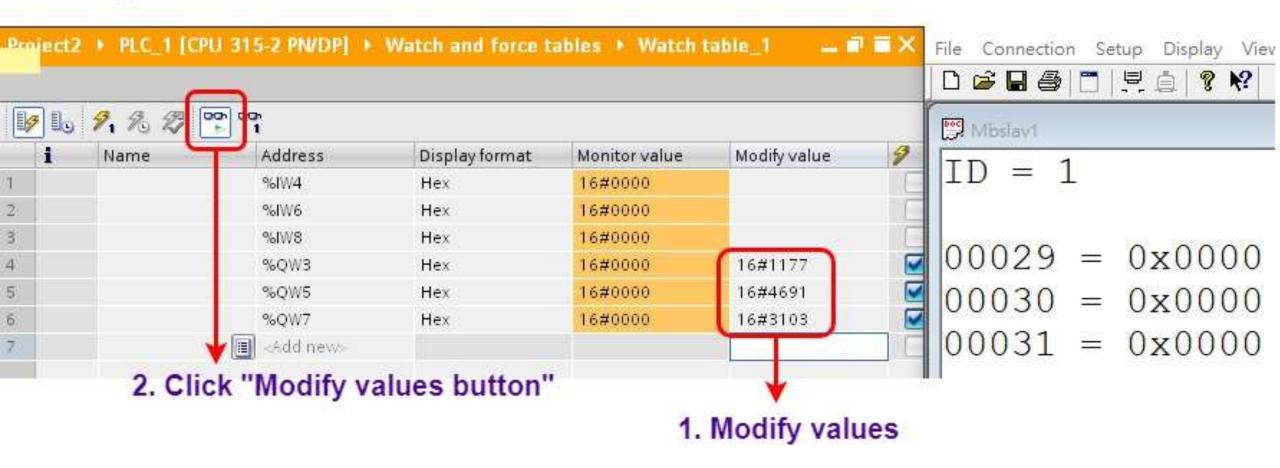




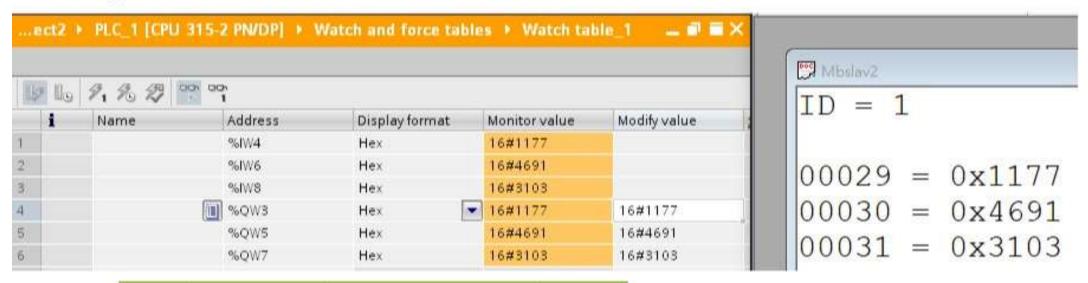




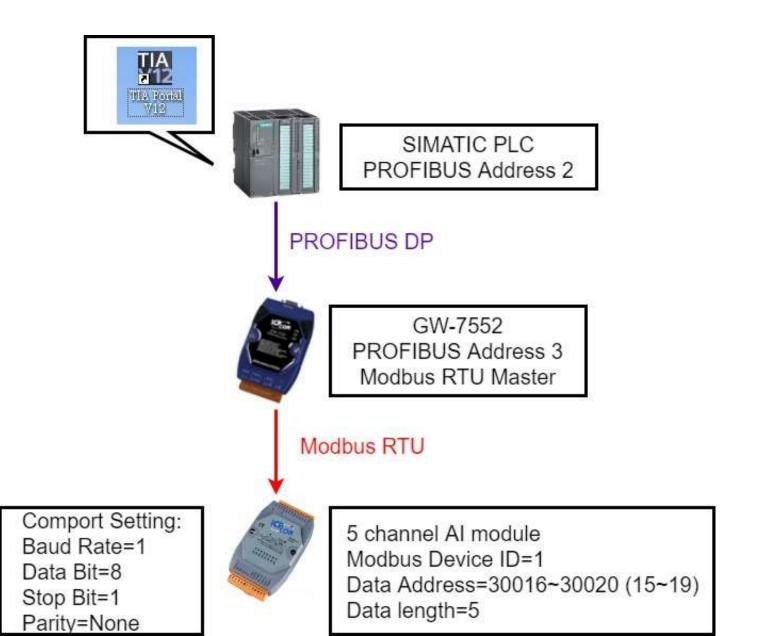
### Modify values and Send Modbus commands

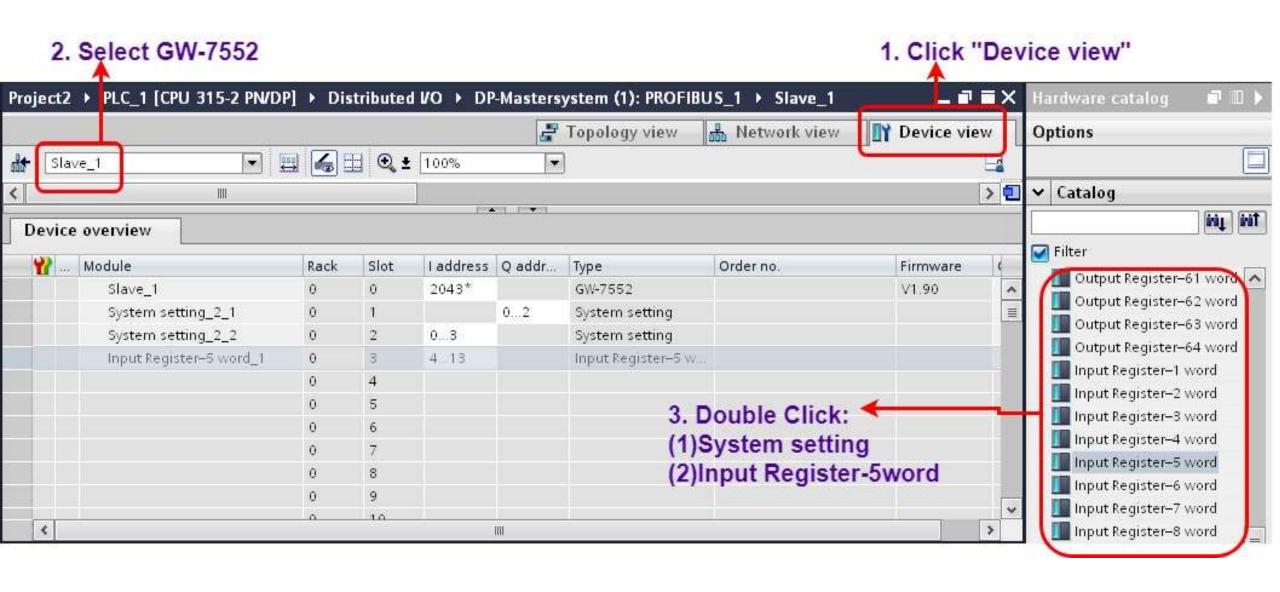


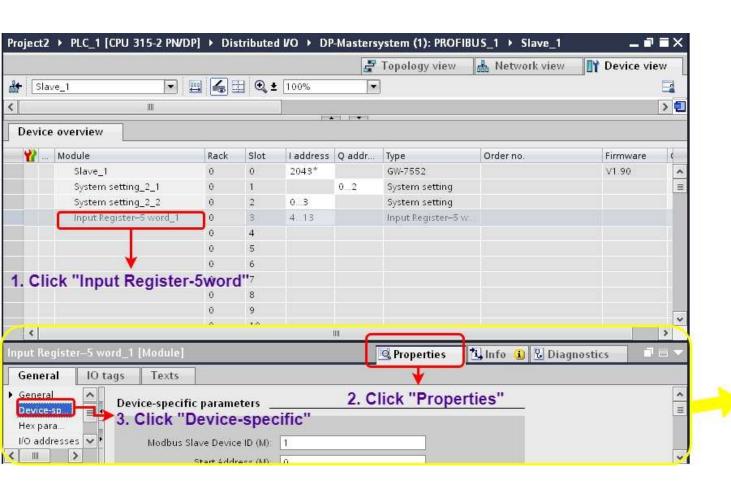
#### Modify values and Send Modbus commands

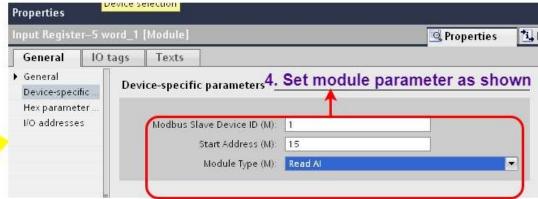


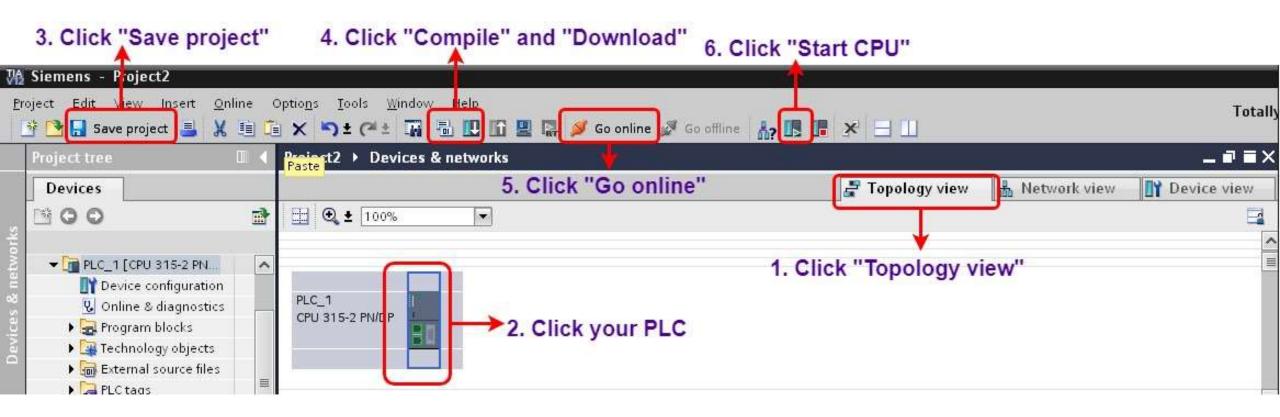
Туре	Read/Write	<b>Modbus Address</b>	value
IW4	Read AO	29(40030)	0x1177
IW6	Read AO	30(40031)	0x4691
IW8	Read AO	31(40032)	0x3103
QW3	Write AO	29(40030)	0x1177
QW5	Write AO	30(40031)	0x4691
QW7	Write AO	31(40032)	0x3103

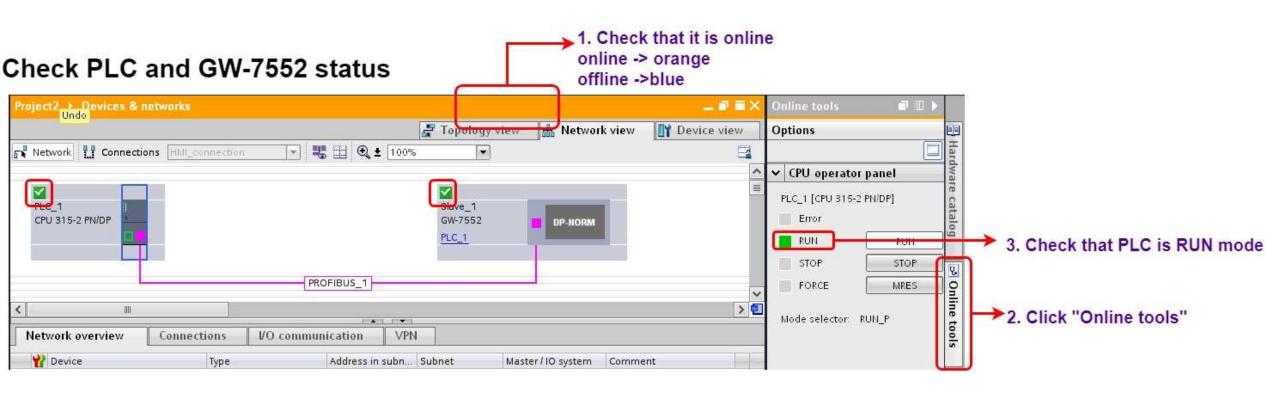


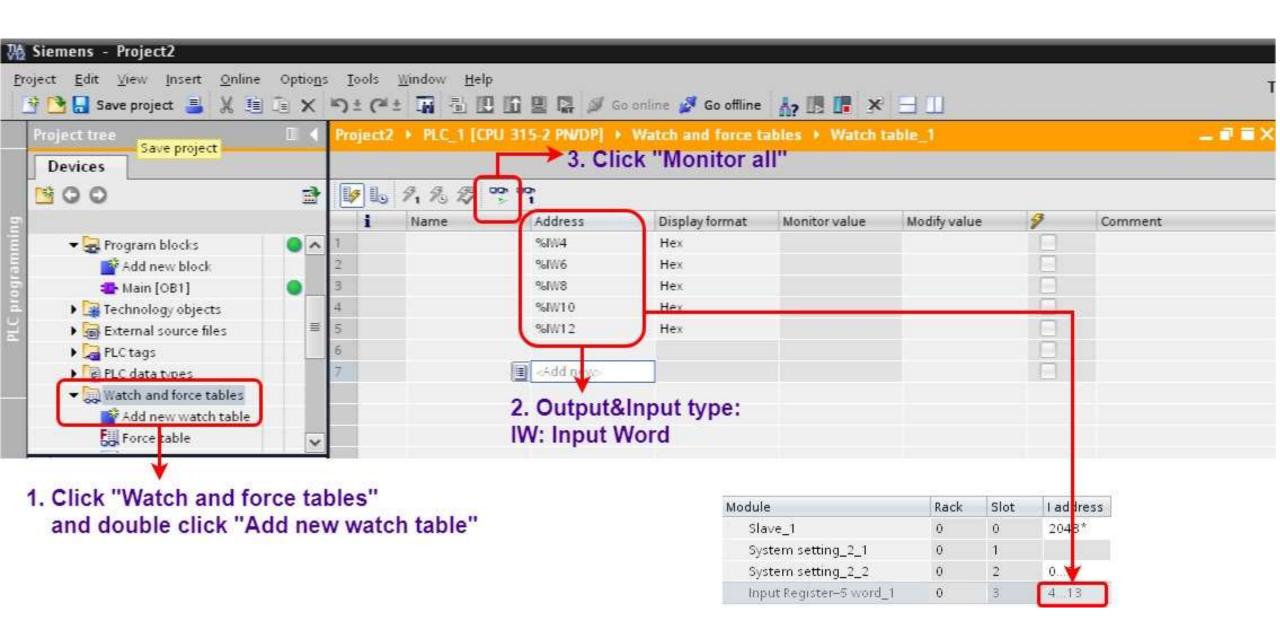




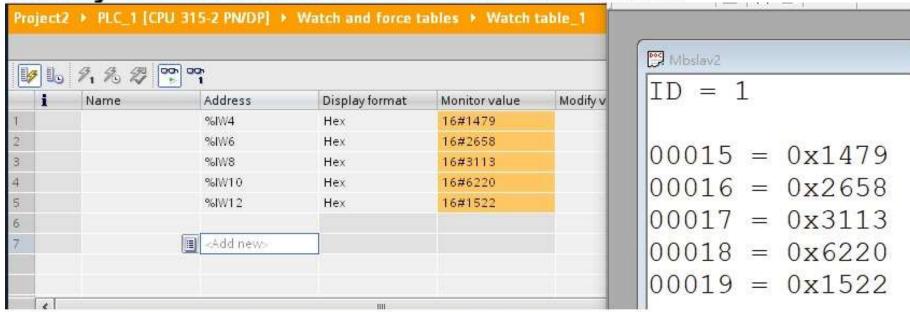








Modify values and Send Modbus commands



Туре	Read/Write	<b>Modbus Address</b>	value
IW4	Read Al	15(30016)	0x1479
IW6	Read AI	16(30017)	0x2658
IW8	Read Al	17(30018)	0x3113
IW10	Read Al	18(30019)	0x6220
IW12	Read Al	19(30020)	0x1522