

Siemens S7-200 (Ethernet)

Supported Series: Siemens S7/200 Ethernet Series PLC

(CPU212/214/215/216/221/222/224/226/226XM) with CP243-1 Ethernet module

Website: <http://www.siemens.com/entry/cc/en/>

HMI Setting:

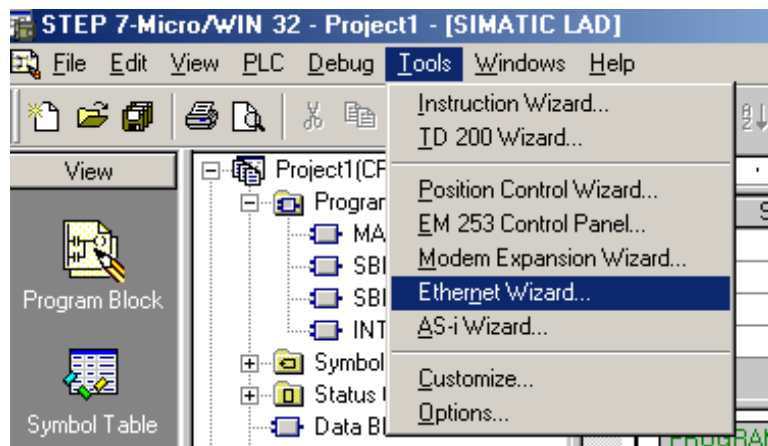
Parameters	Recommended	Options	Notes
PLC type	SIEMENS S7-200 (Ethernet)		
PLC I/F	Ethernet		
Port no.	102		
PLC sta. no.	1	0-31	

PLC Setting:

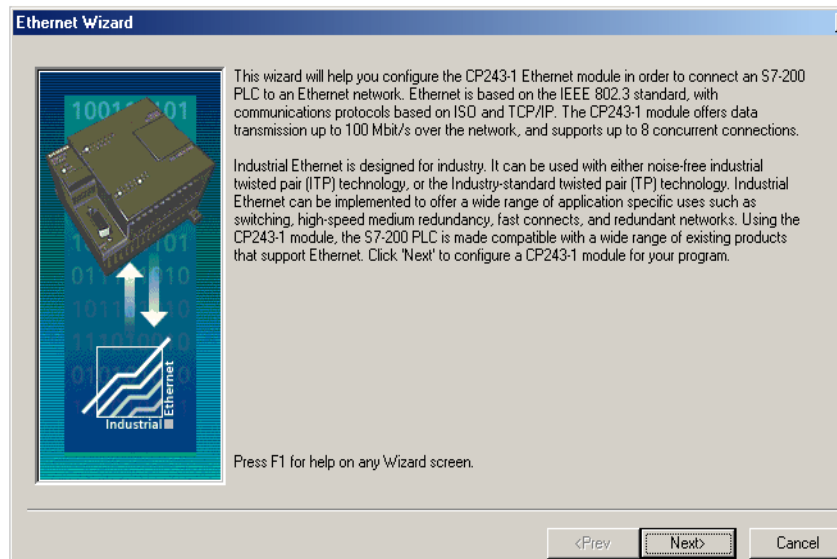
S7/200 Ethernet Multi-Connection Settings

Step 1: Launching the Ethernet Wizard

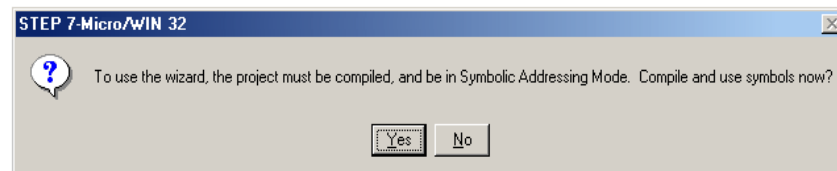
1. In the Micro/WIN main menu, click **Tools / Ethernet Wizard**.



2. Then, click **Next**.

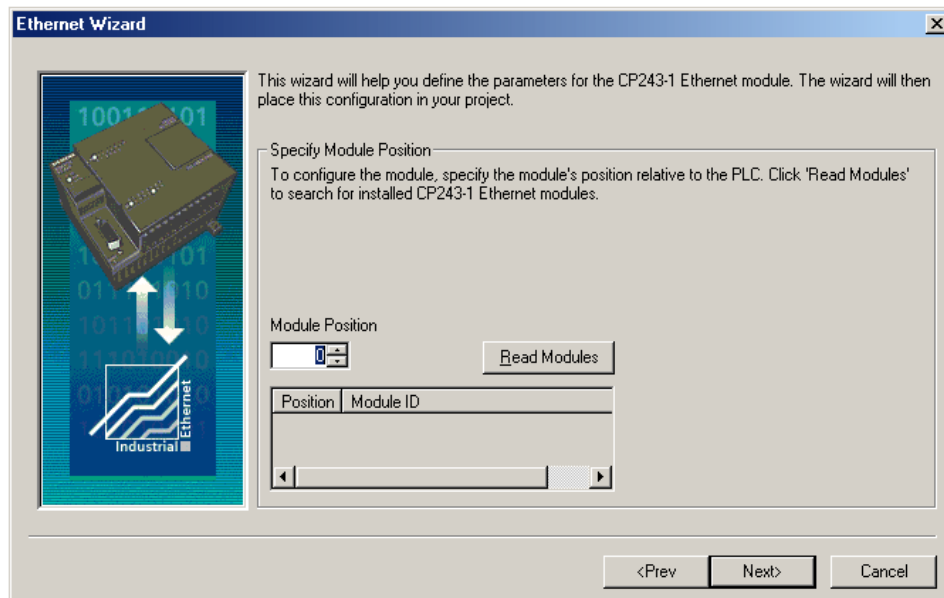


3. Click **Yes** to proceed.

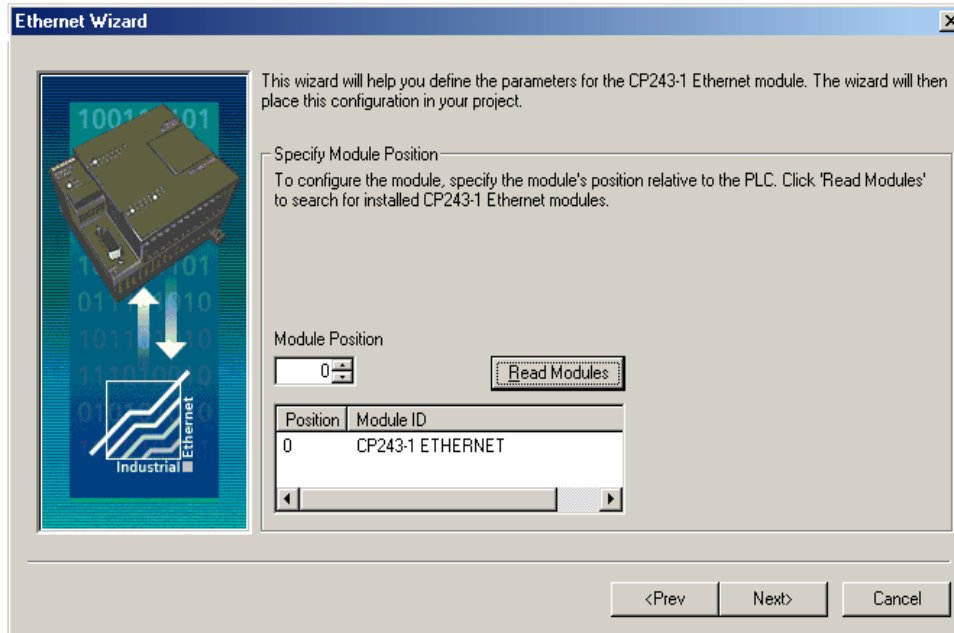


Step 2: Setting CP243-1 Module Position

1. Click **Read Modules**.

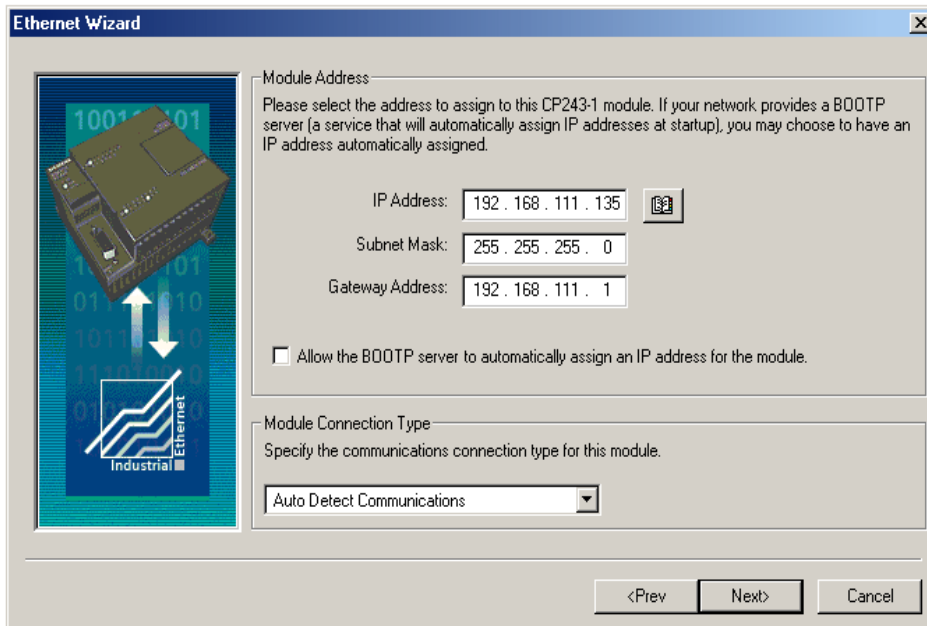


- To view the results of Read Modules, select the **Ethernet module**. Click **Next**.

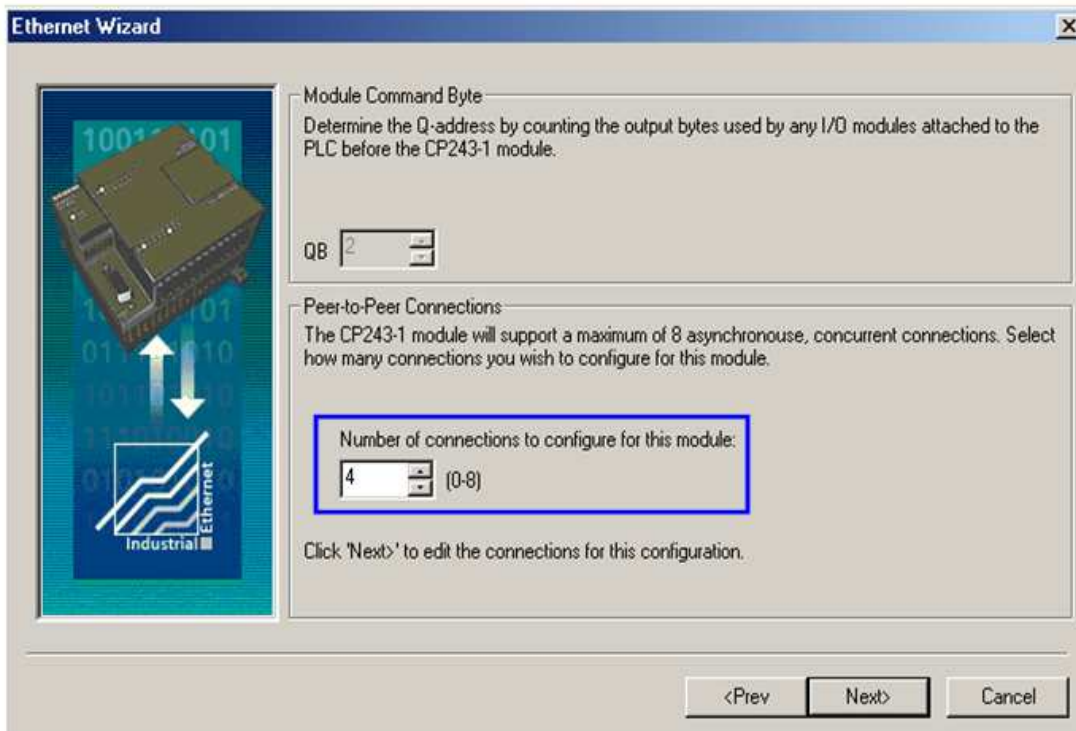


Step 3: Assigning Module Address

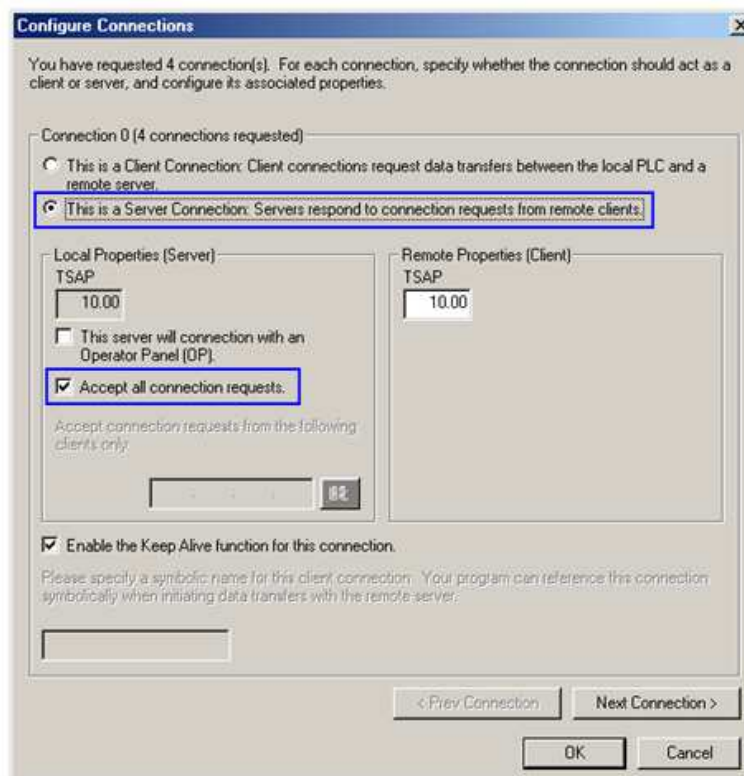
- Click **Next**.



2. Enter the number of desired available connections for this device. If 0 is entered, the only connection available will be the PG mode. The image below shows there are 4 connections for this module.

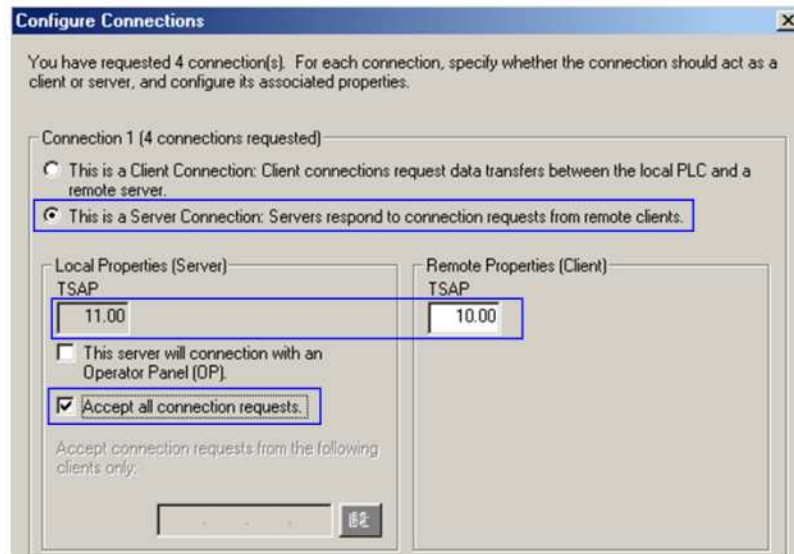


3. Connection0 -> Select **This is a Server Connection...**
Notice the **Local TSAP** automatically incremented to **10.00**.

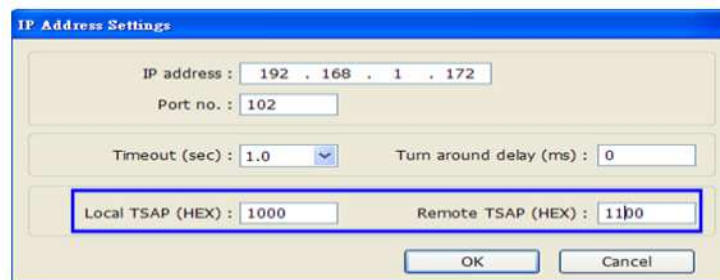


4. Connection1 - Select **This is a Server Connection...**

Notice the **Local TSAP** automatically incremented to **11.00**.



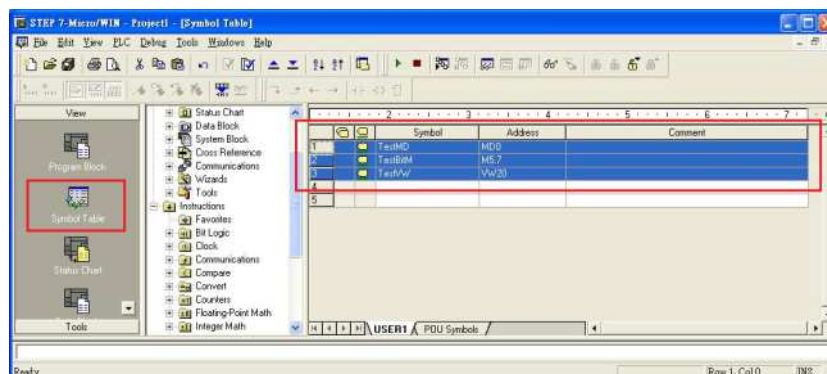
5. Upon completion of the settings above, set parameters in EasyBuilder. Set the value of Local TSAP here to the value of Remote TSAP in Micro/WIN and vice versa to realize multi-connection.



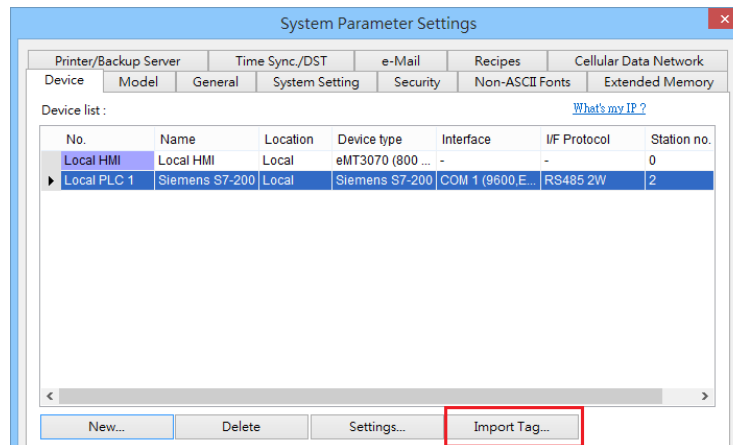
How to Import Tag:

The tags created in the Symbol Table in Step7-MicroWIN software can be imported to EasyBuilder.

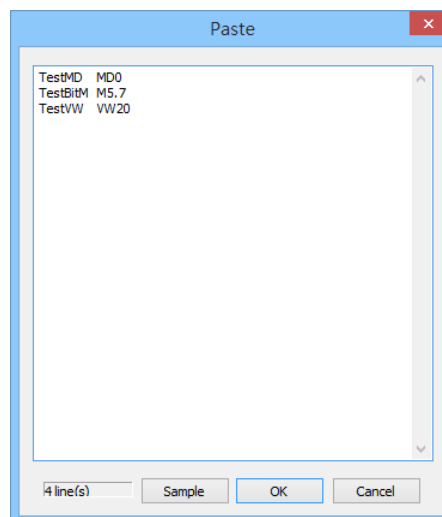
1. In **Symbol Table** create the tags. Select all the tags and click the right mouse button then **copy** the tags.



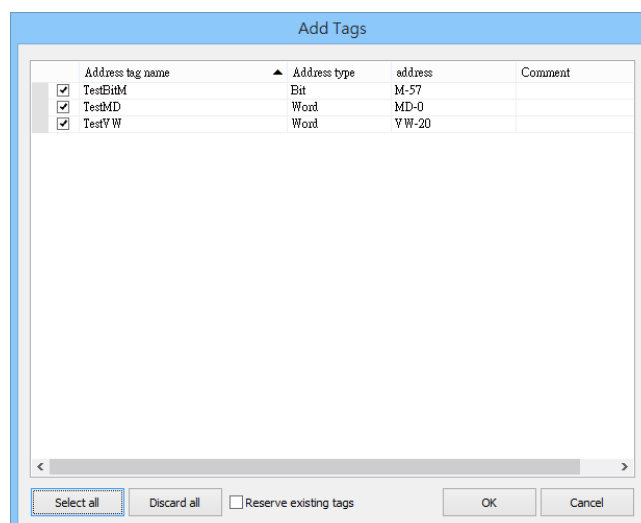
2. Launch EasyBuilder, add the driver in the device list in **System Parameter Settings**, and then click **Import Tag** button.



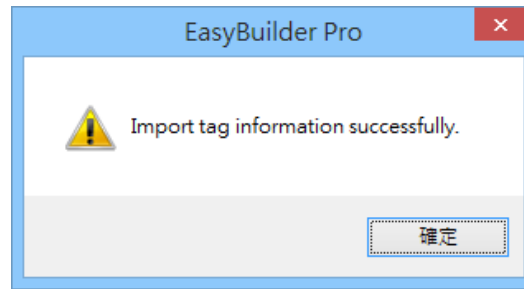
3. **Paste** the tags copied in step 1 and then click **OK**.



4. Select all the tags and then click **OK**.



5. If succeeded, the following message window shows.



Device Address:

Bit/Word	Device	Format	Range	Memo
B	I	DDDDo	0 ~ 40957	Input (I)
B	Q	DDDDo	0 ~ 40957	Output (O)
B	M	DDDDo	0 ~ 40957	Bit Memory
B	VW_Bit	DDDDDo	0 ~ 102397	V Memory Bit Address
B	S	DDDDo	0 ~ 40957	SCR
B	SM	DDDDo	0 ~ 40957	Special Memory
W	VW	DDDDD	0 ~ 10239	V Memory
DW	VD	DDDDD	0 ~ 10239	V Memory Double Word
W	VW_String	DDDDD	0 ~ 10239	String
DW	VD_String	DDDDD	0 ~ 10239	String
DW	MD	DDDDD	0 ~ 10239	Word Memory
Byte	VB	DDDDD	0 ~ 10239	V Memory Byte
Byte	SB	DDDDD	0 ~ 10239	SCR
W	SW	DDDDD	0 ~ 10239	SCR
DW	SD	DDDDD	0 ~ 10239	SCR
Byte	SMB	DDDDD	0 ~ 10239	Special Memory
W	SMW	DDDDD	0 ~ 10239	Special Memory
DW	SMD	DDDDD	0 ~ 10239	Special Memory

- Double word and floating point value must use VD device type.

Wiring Diagram:

Ethernet cable:

