Siemens LOGO (Ethernet)

Supported Series: Siemens LOGO! 0BA0,0BA7, 0BA8
Website: http://www.siemens.com/entry/cc/en/

HMI Setting:

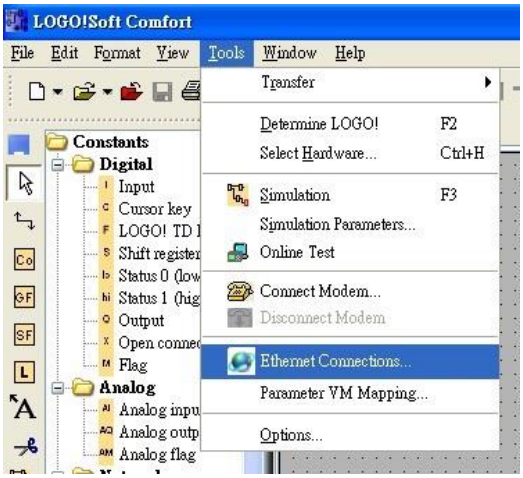
Parameters	Recommended	Options	Notes
PLC type	Siemens LOGO (Ethernet)		
PLC I/F	Ethernet		
Port no.	102		
PLC sta. no.	1	1~99	
Local TSAP	1000		Must be greater than 1000
Remote TSAP	2100		Range:2000~2700

★ For TSAP settings please refer to PLC Setting below.

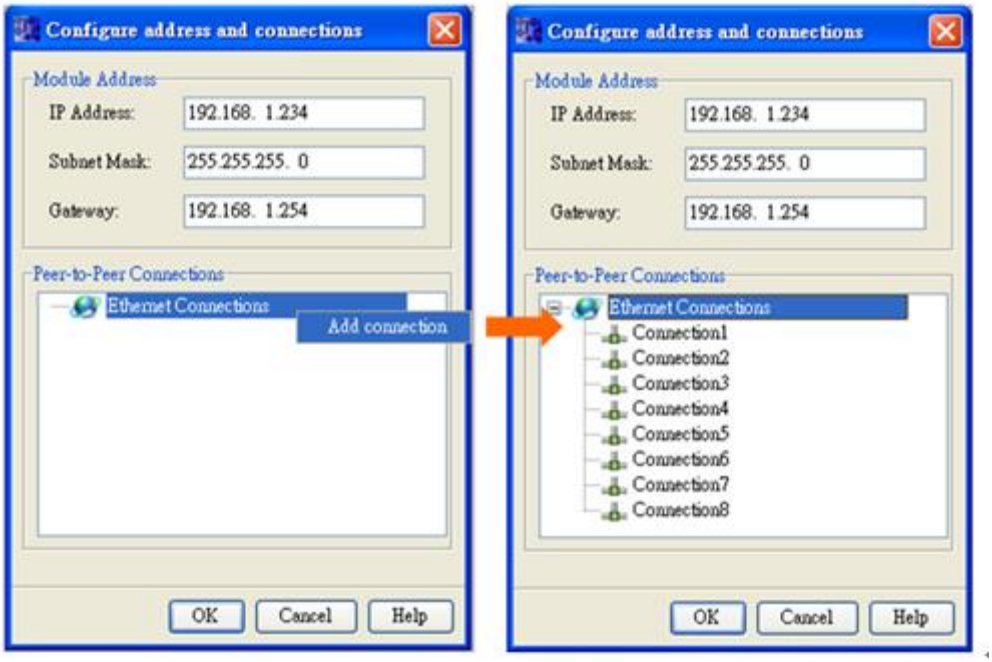
PLC Setting:

Siemens LOGO! multi connection setting requires LOGO! Soft Comfort software to set PLC to identify the connected devices. The following introduces LOGO! Soft Comfort settings.

Step 1. Tools -> Ethernet Connections



Step 2. Right click on ”Ethernet Connections” and click ”Add connections” to add a connection, up to eight connections are allowed.



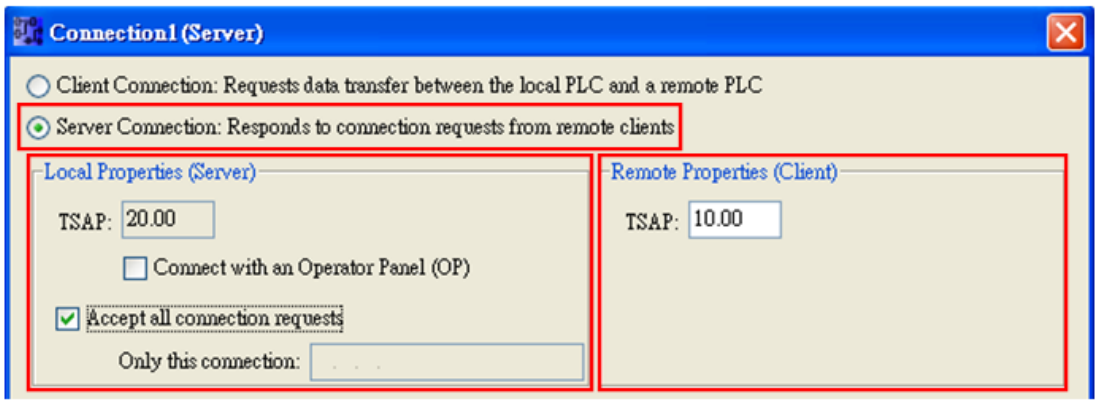
Step 3. Setting Server

I. Double click on Connection1, then select ”Server Connection”.

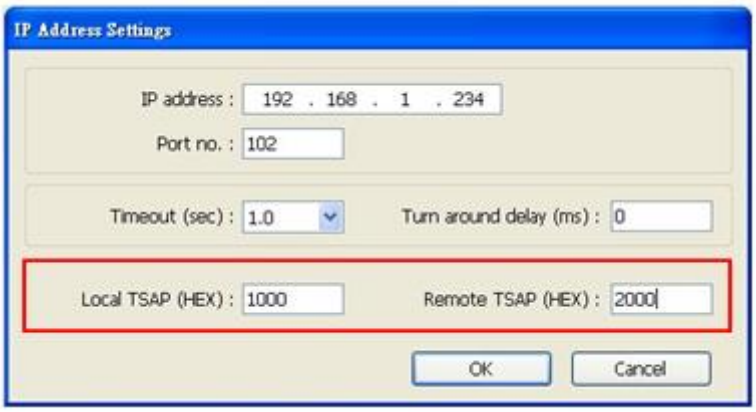
II. Local TSAP is system default and can’t be modified. Tick ”Accept all connection requests” to connect to any IP.

III. Remote TSAP set to ”10.00”.

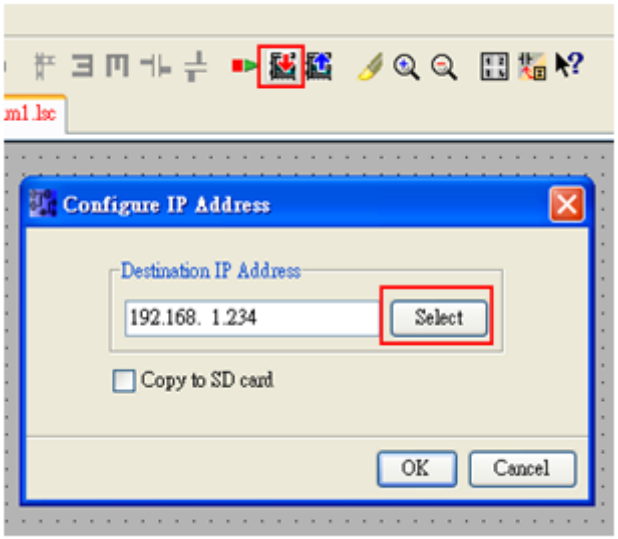
IV. Connection 2~8 can all be set as above.



Note: The value of Local TSAP and Remote TSAP must be set oppositely in EasyBuilder for communication.



Step 4. Complete settings, download connection to Siemens LOGO!



Device Address:

Bit/Word	Device type	Format	Range	Memo
B	I	DD	1~64	Read Only
B	Q	DD	1~64	
B	M	DD	1~112	
B	NI	DDD	1~128	
B	NQ		1~128	
B	V	DDDDo	0~14697	VW_Bit
W	AI	D	1~16	
W	AQ	D	1~16	
W	AM	DD	1~64	
W	NAI		1~64	

Bit/Word	Device type	Format	Range	Memo
W	NAQ		1~32	
W	VW	DDDD	0~1468	See Table 1&2 Address Mapping
DW	VD	DDDD	0~1466	

Table 1 Address Mapping (LOGO! 0BA7)

I	VW	Q	VW	M	VW	AI	VW	AQ	VW	AM	VW
I1	V923.0	Q1	V942.0	M1	V948.0	AI1	VW926	AQ1	VW944	AM1	VW952
I2	V923.1	Q2	V942.1	M2	V948.1	AI2	VW928	AQ2	VW946	AM2	VW954
I3	V923.2	Q3	V942.2	M3	V948.2	AI3	VW930			AM3	VW956
I4	V923.3	Q4	V942.3	M4	V948.3	AI4	VW932			AM4	VW958
I5	V923.4	Q5	V942.4	M5	V948.4	AI5	VW934			AM5	VW960
I6	V923.5	Q6	V942.5	M6	V948.5	AI6	VW936			AM6	VW962
I7	V923.6	Q7	V942.6	M7	V948.6	AI7	VW938			AM7	VW964
I8	V923.7	Q8	V942.7	M8	V948.7	AI8	VW940			AM8	VW966
I9	V924.0	Q9	V943.0	M9	V949.0					AM9	VW968
I10	V924.1	Q10	V943.1	M10	V949.1					AM10	VW970
I11	V924.2	Q11	V943.2	M11	V949.2					AM11	VW972
I12	V924.3	Q12	V943.3	M12	V949.3					AM12	VW974
I13	V924.4	Q13	V943.4	M13	V949.4					AM13	VW976
I14	V924.5	Q14	V943.5	M14	V949.5					AM14	VW978
I15	V924.6	Q15	V943.6	M15	V949.6					AM15	VW980
I16	V924.7	Q16	V943.7	M16	V949.7					AM16	VW982
I17	V925.0			M17	V950.0						
I18	V925.1			M18	V950.1						
I19	V925.2			M19	V950.2						
I20	V925.3			M20	V950.3						
I21	V925.4			M21	V950.4						
I22	V925.5			M22	V950.5						
I23	V925.6			M23	V950.6						
I24	V925.7			M24	V950.7						
				M25	V951.0						
				M26	V951.1						
				M27	V951.2						

Table 2 Address Mapping (LOGO! 0BA0,OBA8)

Device Type	VM (From)	VM (To)	Range
I	1024	1031	8 Bytes
AI	1032	1063	32 Bytes
Q	1064	1071	8 Bytes
AQ	1072	1103	32 Bytes
M	1104	1117	14 Bytes
AM	1118	1245	128 Bytes
NI	1246	1261	16 Bytes
NAI	1262	1389	128 Bytes
NQ	1390	1405	16 Bytes
NAQ	1406	1469	64 Bytes

Wiring Diagram:

Ethernet cable:

