Mitsubishi FX3U (Ethernet)

Supported Series: Mitsubishi FX SERIES, Module: FX3U-ENET, FX3U-ENET-ADP.
Website: http://www.mitsubishi-automation.com

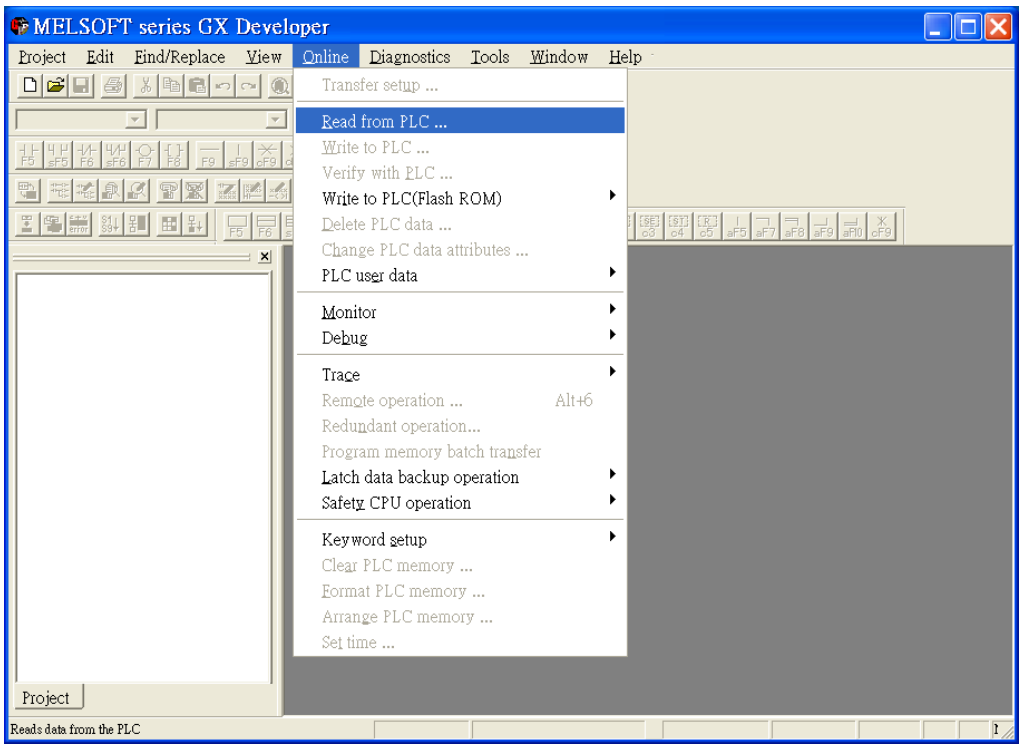
HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	Mitsubishi FX3U (Ethernet)		
PLC I/F	Ethernet		
Port no.	5001(default)		Refer to Module Setting
PLC sta. no.	0 (default)		Refer to Module Setting

PLC Setting:

Fx3u-ENET module setting:
Before using Ethernet module, use GX Developer / FX Configurator-EN to set the Ethernet module, the FX3u-ENET module setting steps are shown below.

Step1. Open GX Developer, select “Read from PLC” in Online list.



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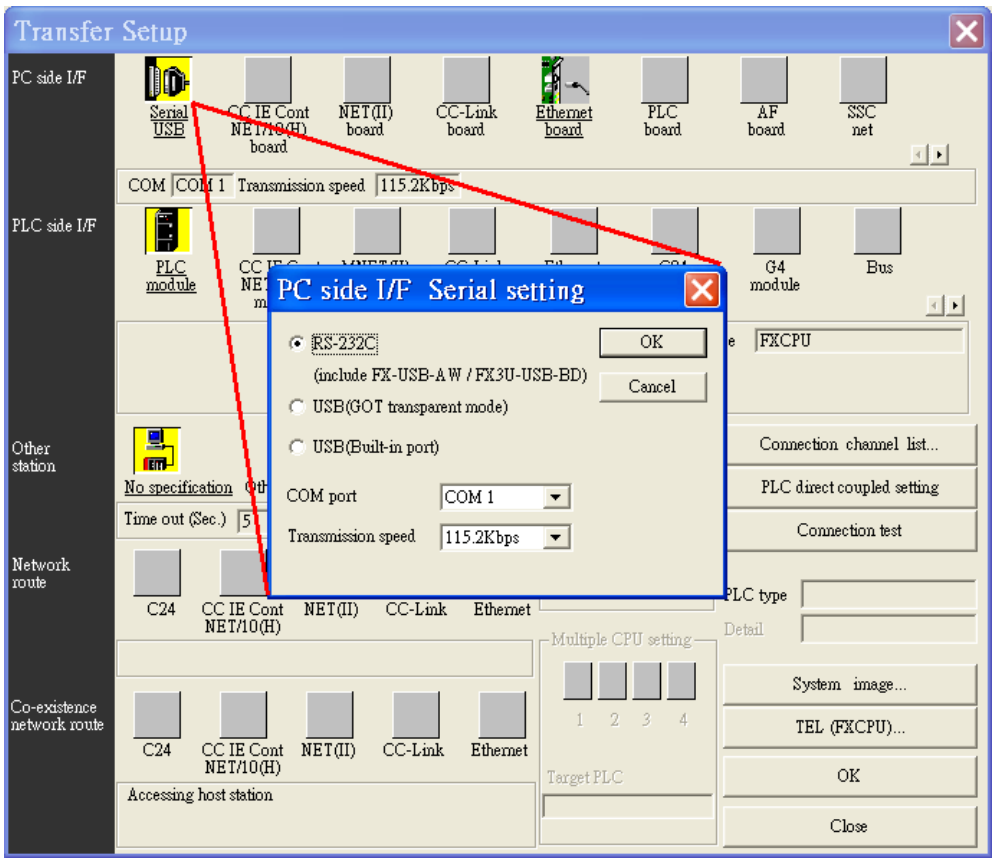
Step2. Select “FXCPU” in PLC series.

Step3. Connect PLC via serial port for setting IP address first.



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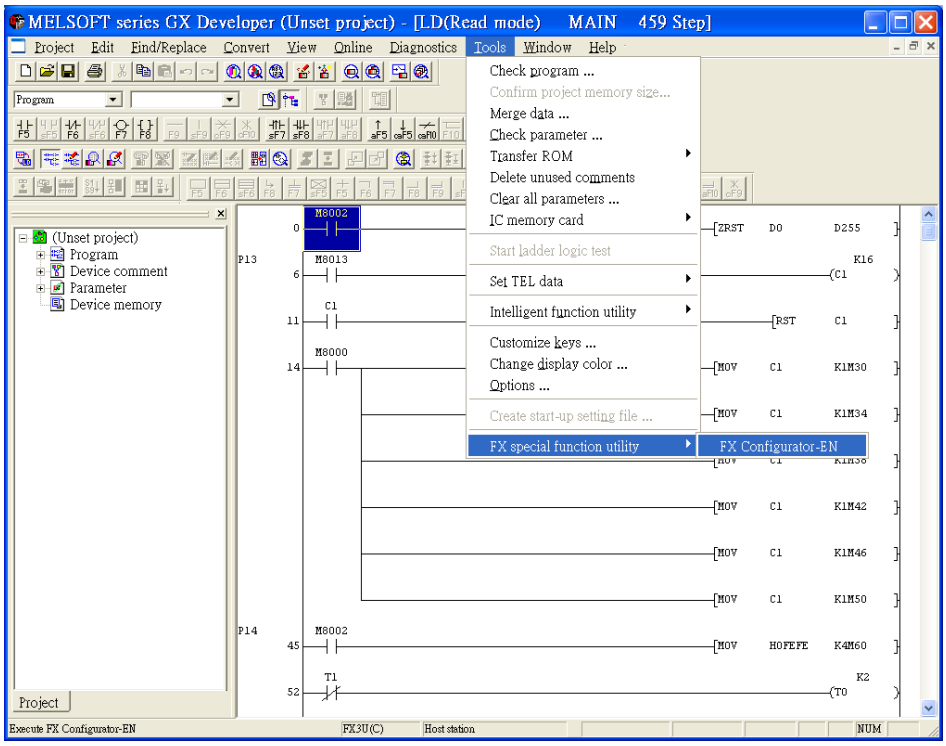
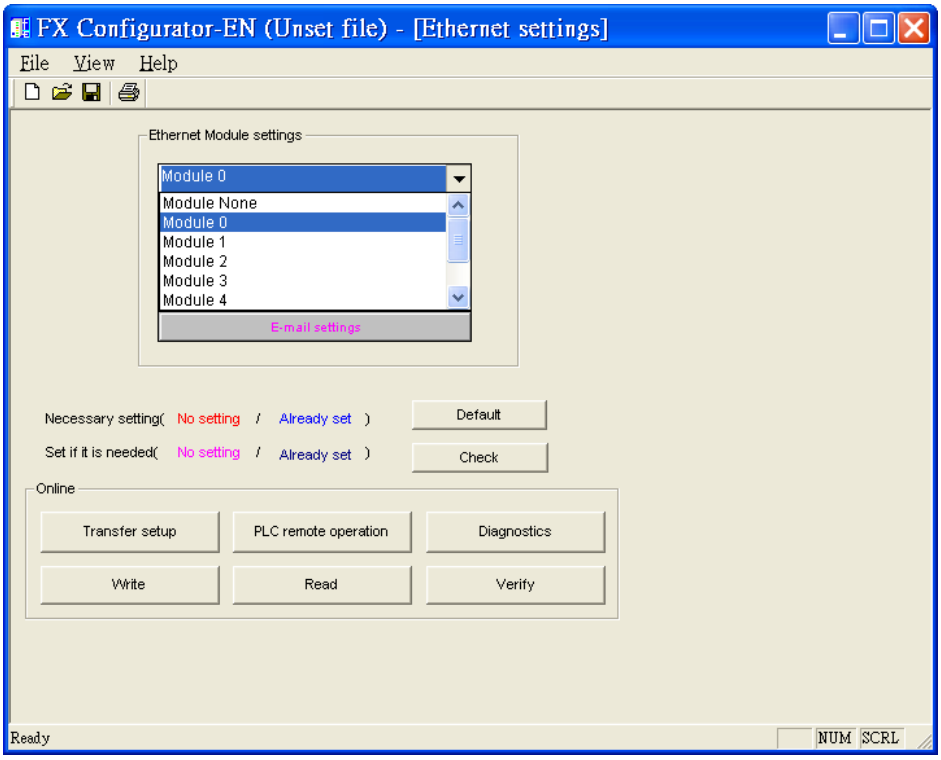
Step4. After finishing the PLC settings, select Tools/FX special function utility/FX Configurator-EN.



Step5. Select “Module 0” in Ethernet Module settings.
(If more than one module needed, please set modules step by step)



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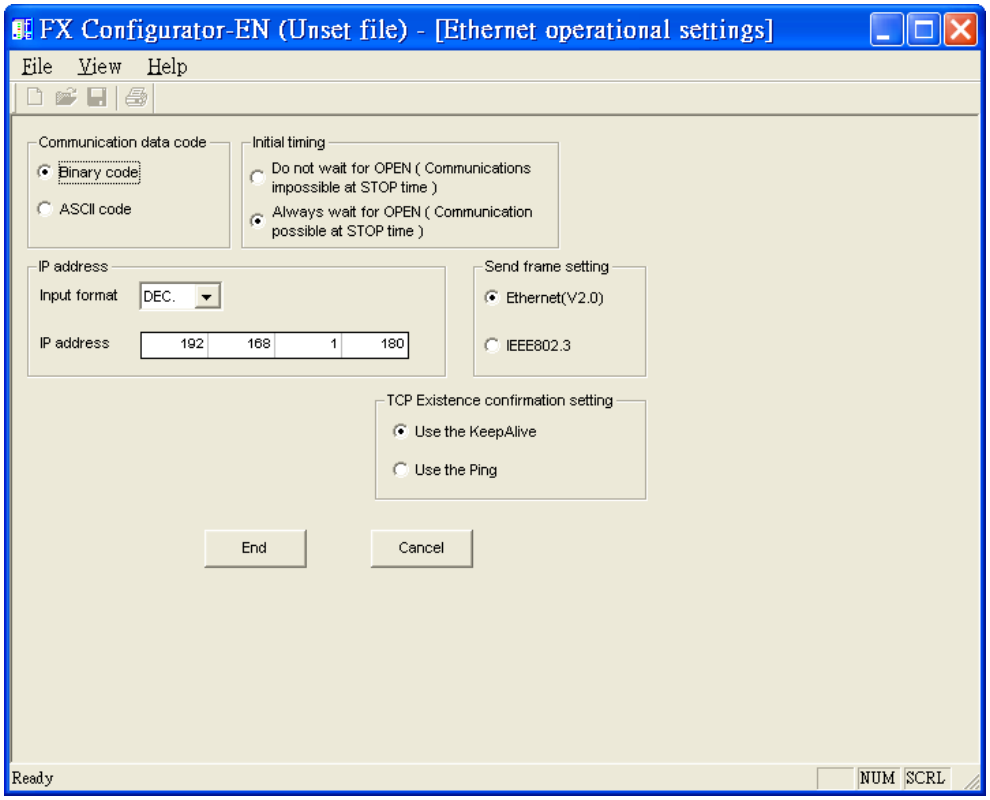
Step6. In Ethernet operational settings, select the related parameters and IP address and then press ”End” to finish setting.



Step7. In Ethernet open settings, press “End” after setting the parameters below.

1	TCP	MELSOFT connection					
2	TCP	Unpassive	Send	Procedure exist(MC)	Disable	No confirm	5001
3	TCP	Unpassive	Send	Procedure exist(MC)	Disable	No confirm	5001
4	TCP	Unpassive	Send	Procedure exist(MC)	Disable	No confirm	5001

(The first Protocol means using GX Developer to communicate with module, the max. “Fixed buffer communication preocedure” is 4 units.)

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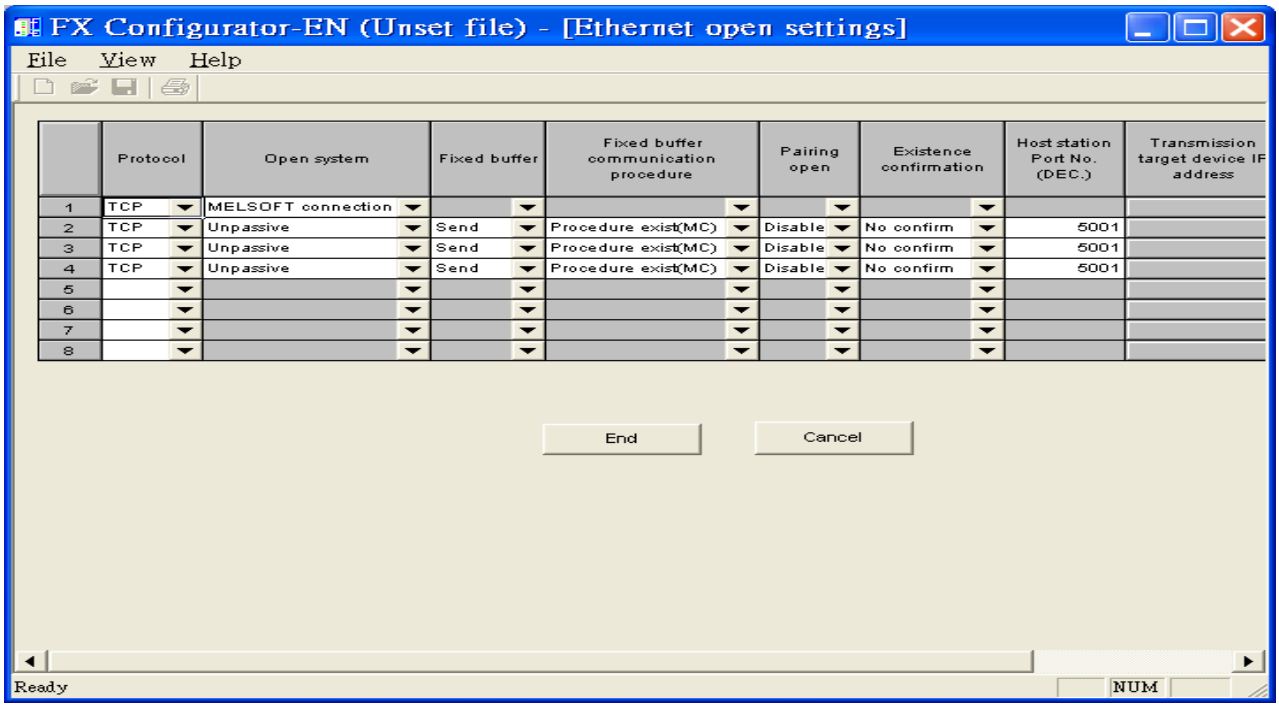
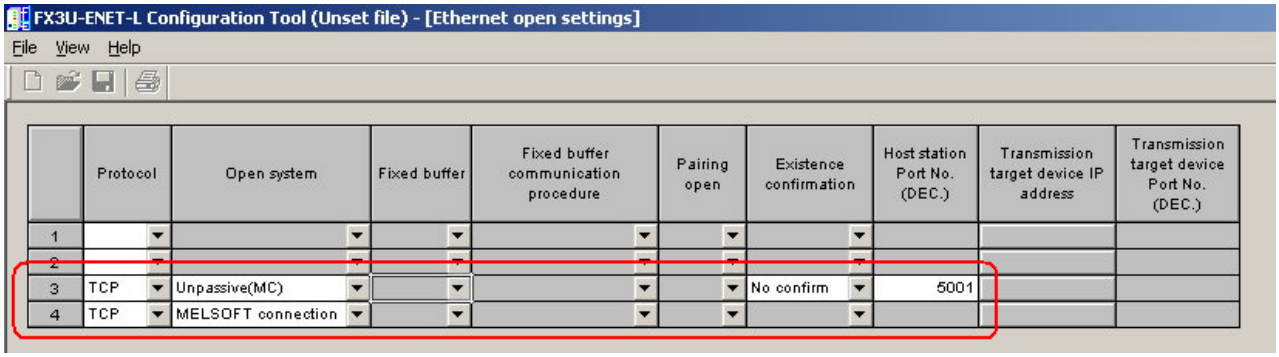


Or



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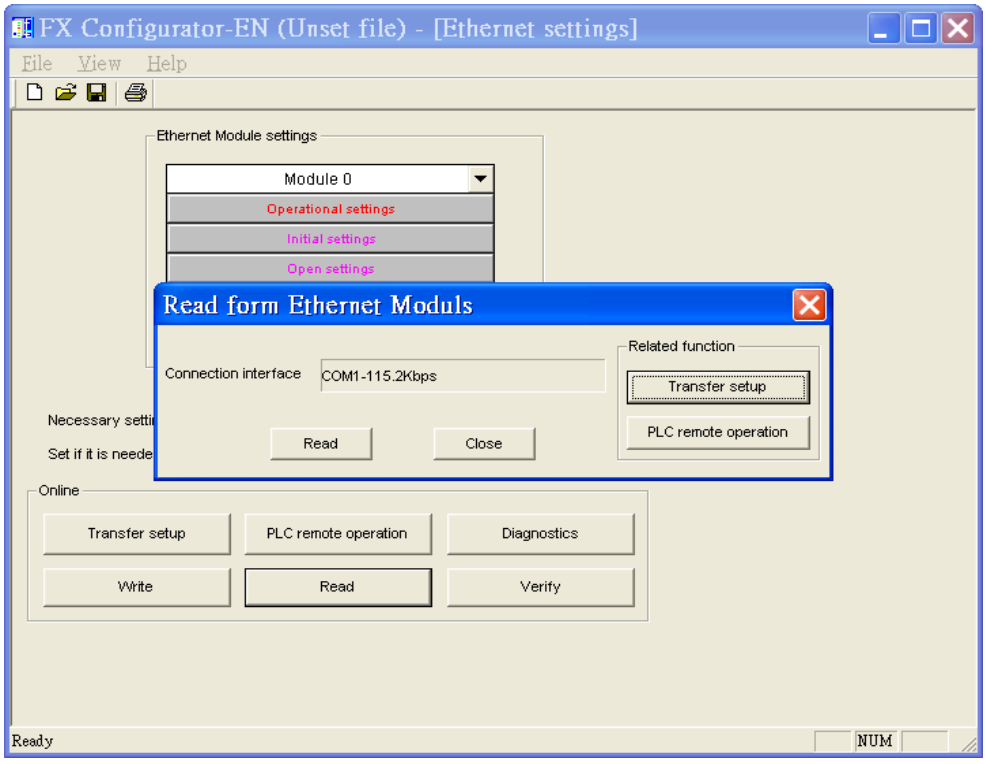
Step8. After setting the parameters of PLC, restart for Ethernet communication.



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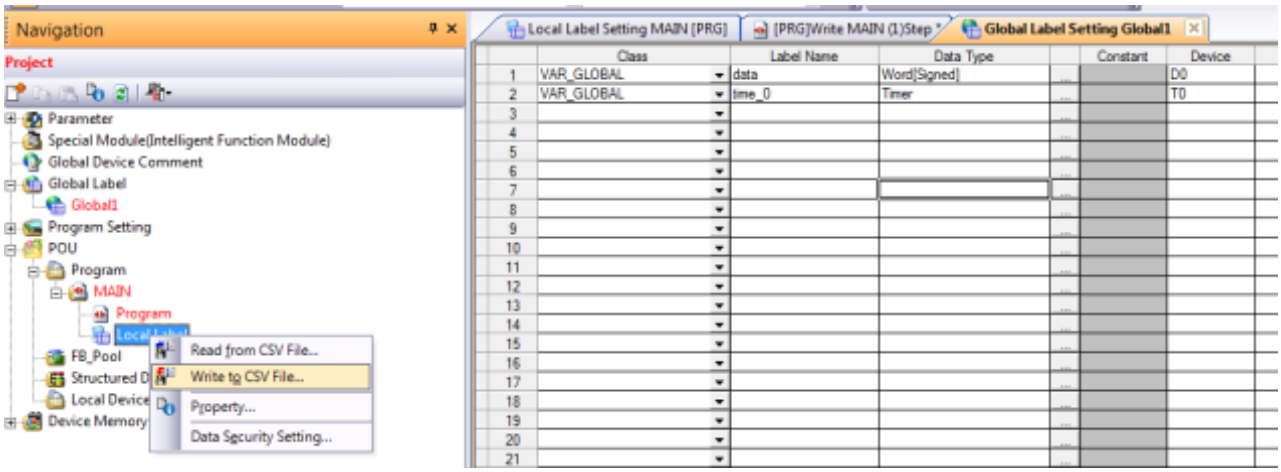
Import Tags:

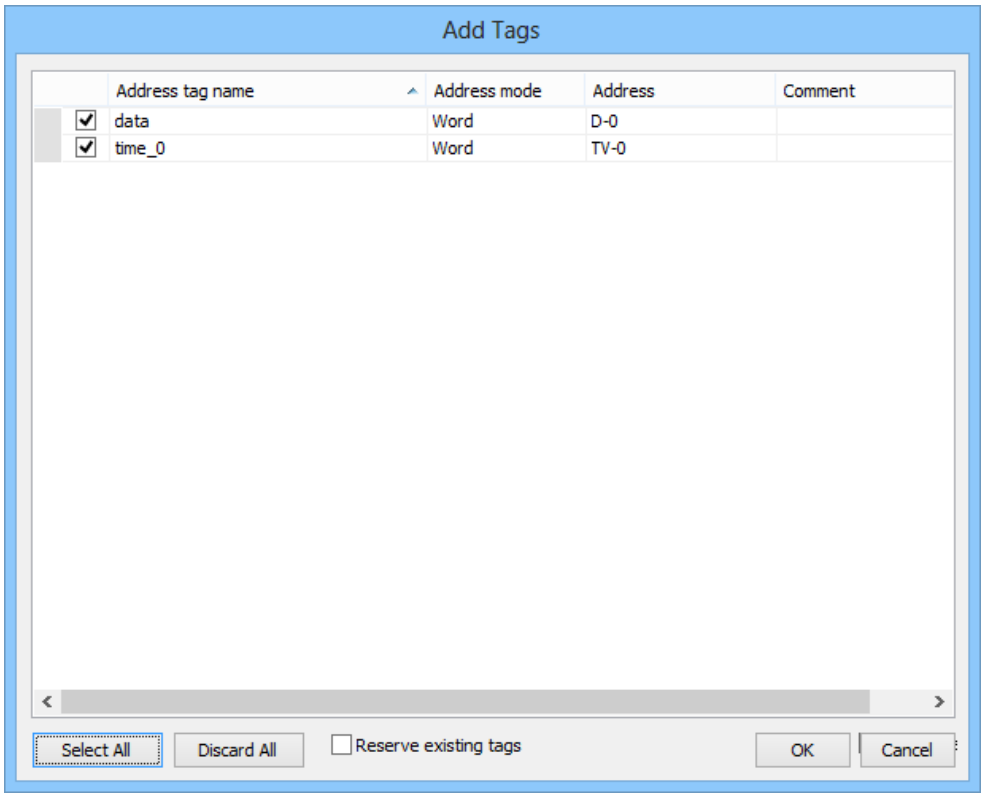
[Export]

MELSOFT Series GX Work2 -> Global Label Setting -> Write to CSV File



[Import]

EasyBuilder Pro -> System Parameter Settings -> Device -> Driver -> Import Tags



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Device Address:

Bit/Word	Device type	Format	Range	Memo
B	X	OOO	0 ~ 571	Input
B	Y	OOO	0 ~ 571	Output Relay
B	M	DDDD	0 ~ 7999	Internal Relay
B	T	DDD	0 ~ 511	Timer Contacts
B	C	DDD	0 ~ 255	Counter Contacts
B	SM	DDDD	8000 ~ 8511	Special Int. Relays
B	D_Bit	DDDDDdd	0 ~ 1799915	Data Register Bit Access
B	S	DDDD	0 ~ 4095	Step Relays
W	TV	DDD	0 ~ 511	Timer Value
W	CV	DDD	0 ~ 199	Counter Value
W	D	DDDD	0 ~ 7999	Data Registers
W	CV2	DDD	200 ~255	Counter Value
W	SD	DDDD	8000 ~ 8511	Special Data Registers
W	R	DDDDD	0 ~ 32767	File Register

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Wiring Diagram:

Ethernet cable:

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