

Mitsubishi FX3U (Ethernet)

Supported Series: Mitsubishi FX SERIES, Module: FX3U-ENET, FX3U-ENET-ADP.

Website: <http://www.mitsubishi-automation.com>

HMI Setting:

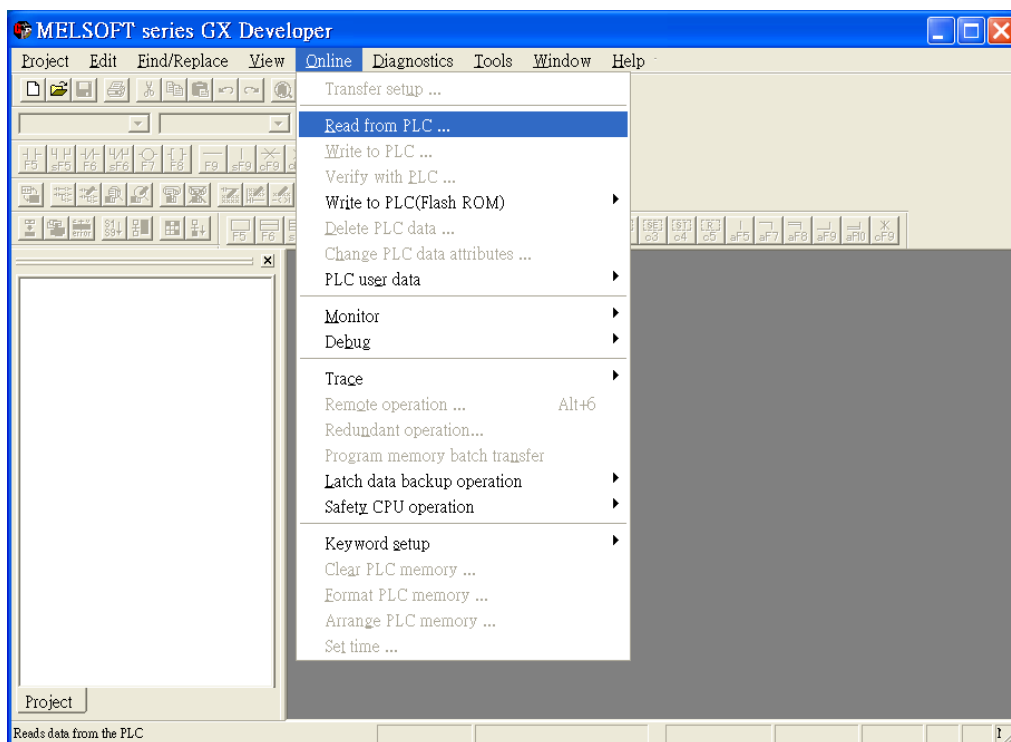
Parameters	Recommended	Options	Notes
PLC type	Mitsubishi FX3U (Ethernet)		
PLC I/F	Ethernet		
Port no.	5001(default)		Refer to Module Setting
PLC sta. no.	0 (default)		Refer to Module Setting

PLC Setting:

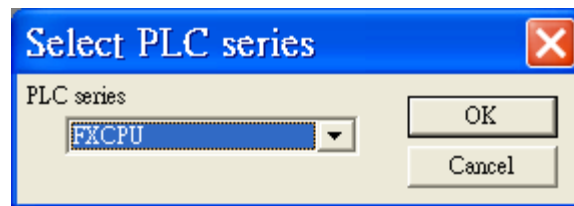
Fx3u-ENET module setting:

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

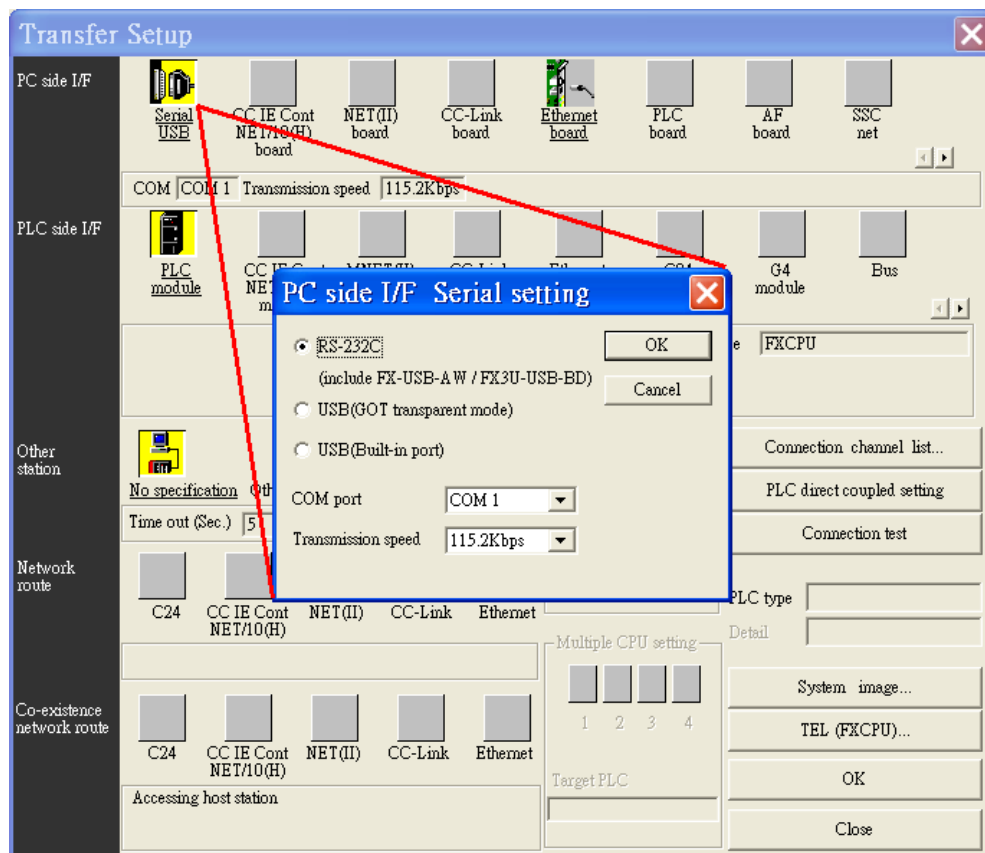
Step1. Open GX Developer, select “Read from PLC” in Online list.



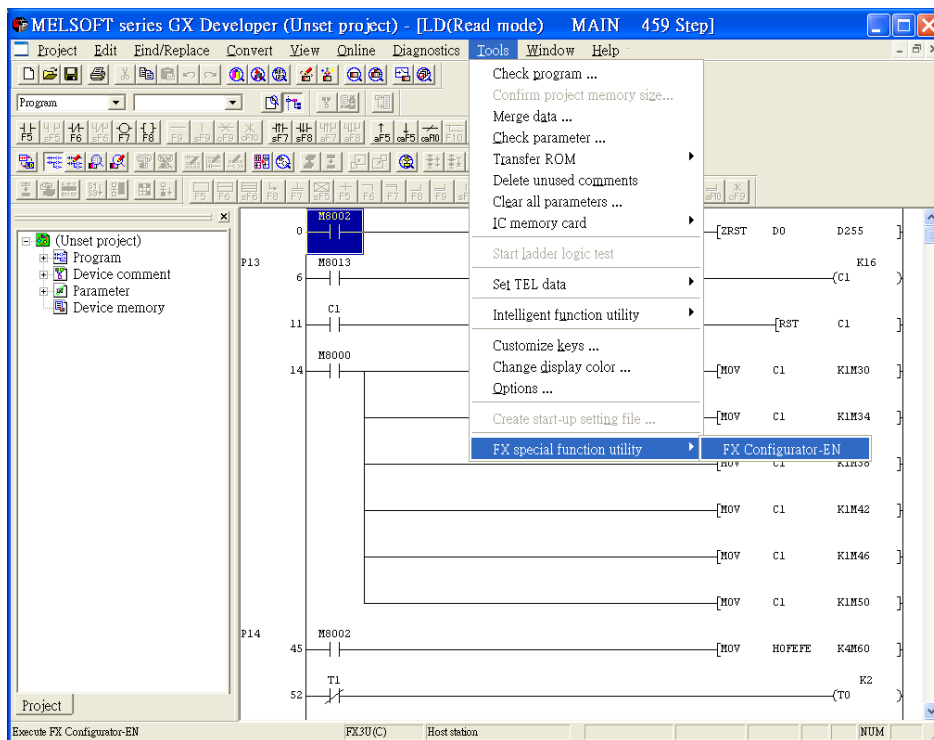
Step2. Select "FXCPU" in PLC series.



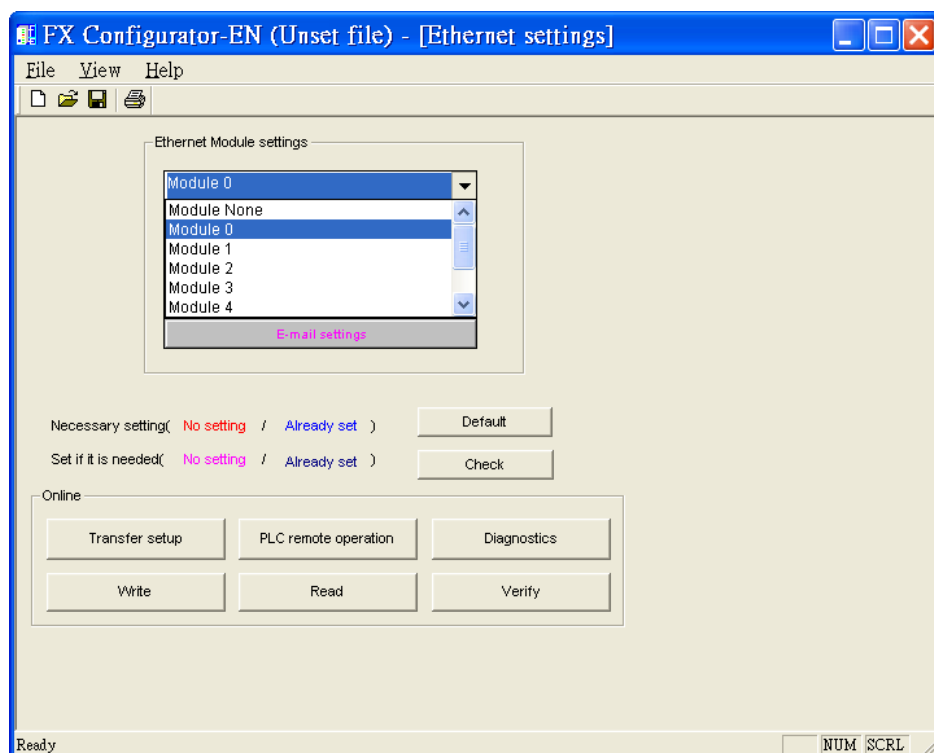
Step3. Connect PLC via serial port for setting IP address first.



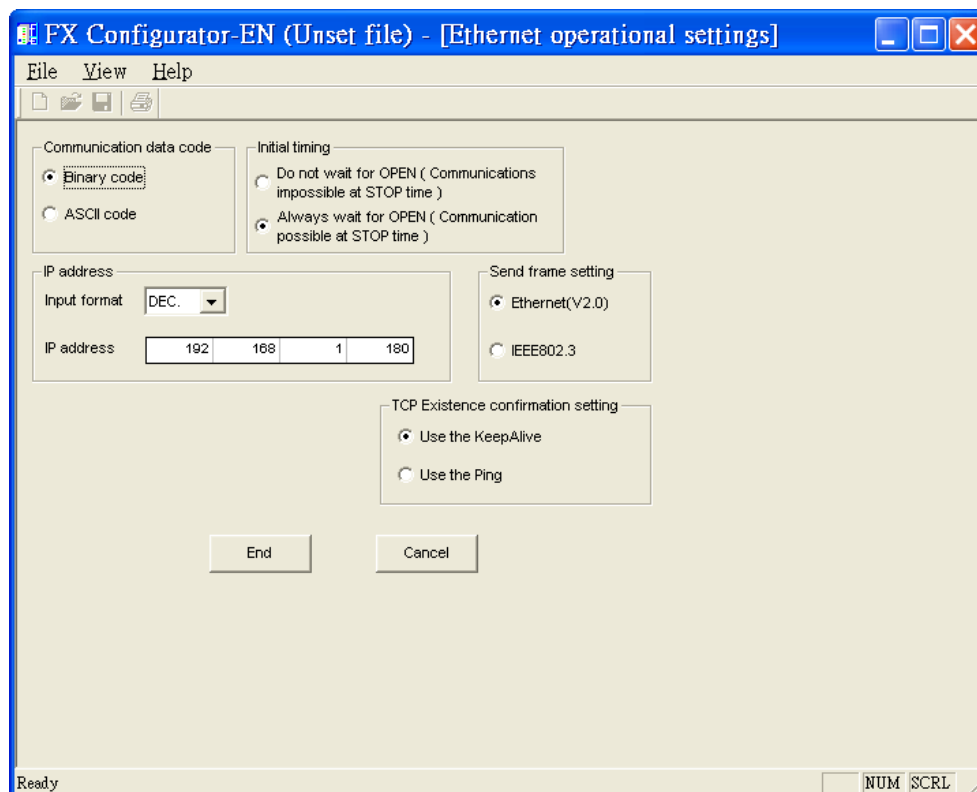
Step4. After finishing the PLC settings, select Tools/FX special function utility/FX Configurator-EN.



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



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 precedure" is 4 units.)

FX Configurator-EN (Unset file) - [Ethernet open settings]

File View Help

	Protocol	Open system	Fixed buffer	Fixed buffer communication procedure	Pairing open	Existence confirmation	Host station Port No. (DEC.)	Transmission target device IP address
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	
5								
6								
7								
8								

End Cancel

Ready NUM

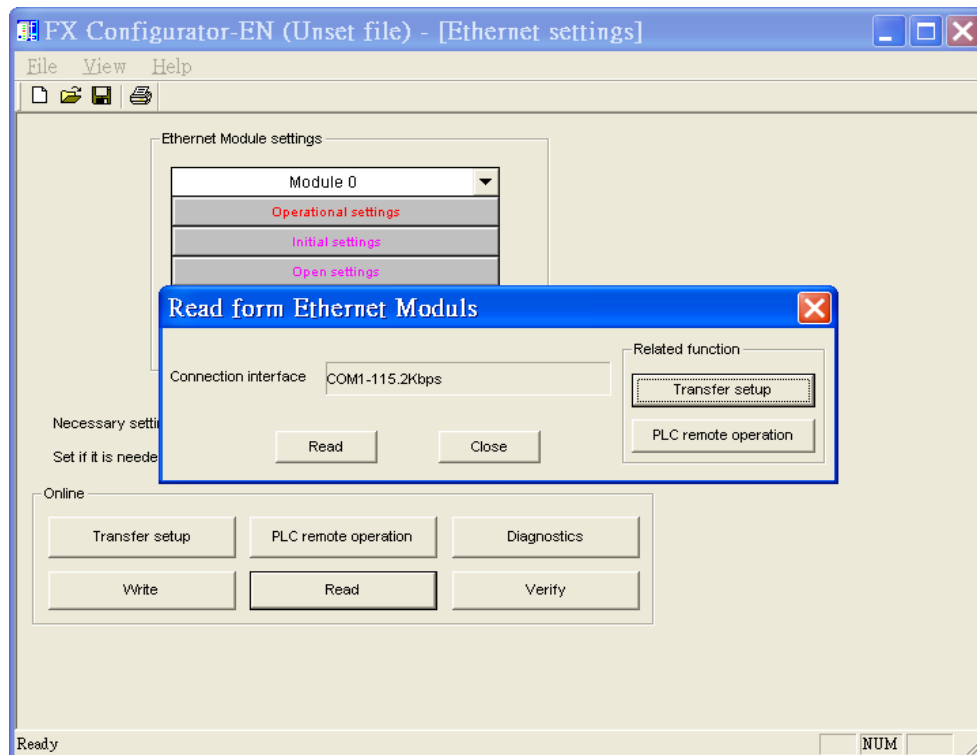
Or

FX3U-ENET-L Configuration Tool (Unset file) - [Ethernet open settings]

File View Help

	Protocol	Open system	Fixed buffer	Fixed buffer communication procedure	Pairing open	Existence confirmation	Host station Port No. (DEC.)	Transmission target device IP address	Transmission target device Port No. (DEC.)
1									
2									
3	TCP	Unpassive(MC)				No confirm	5001		
4	TCP	MELSOFT connection							

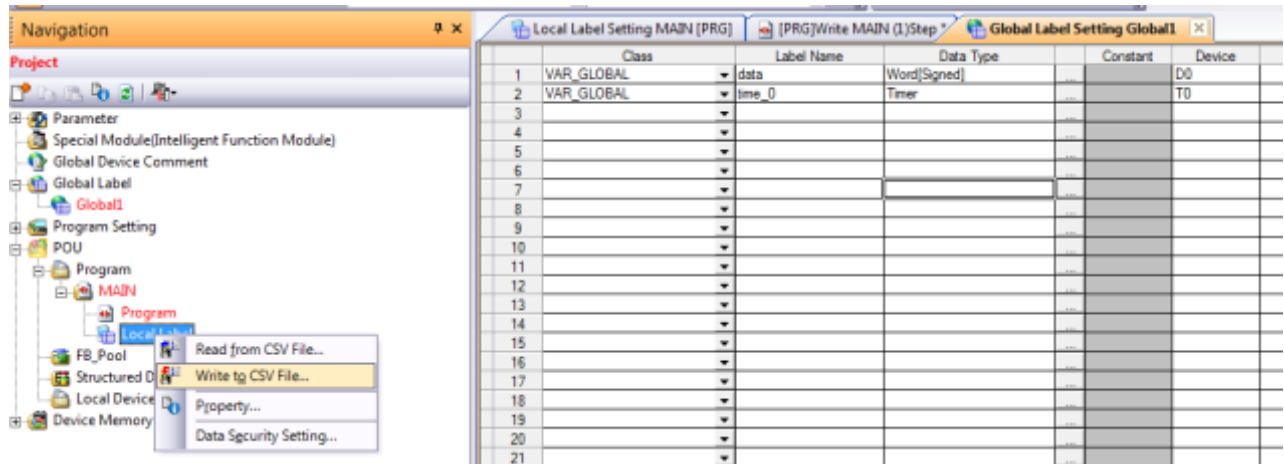
Step8. After setting the parameters of PLC, restart for Ethernet communication.



Import Tags:

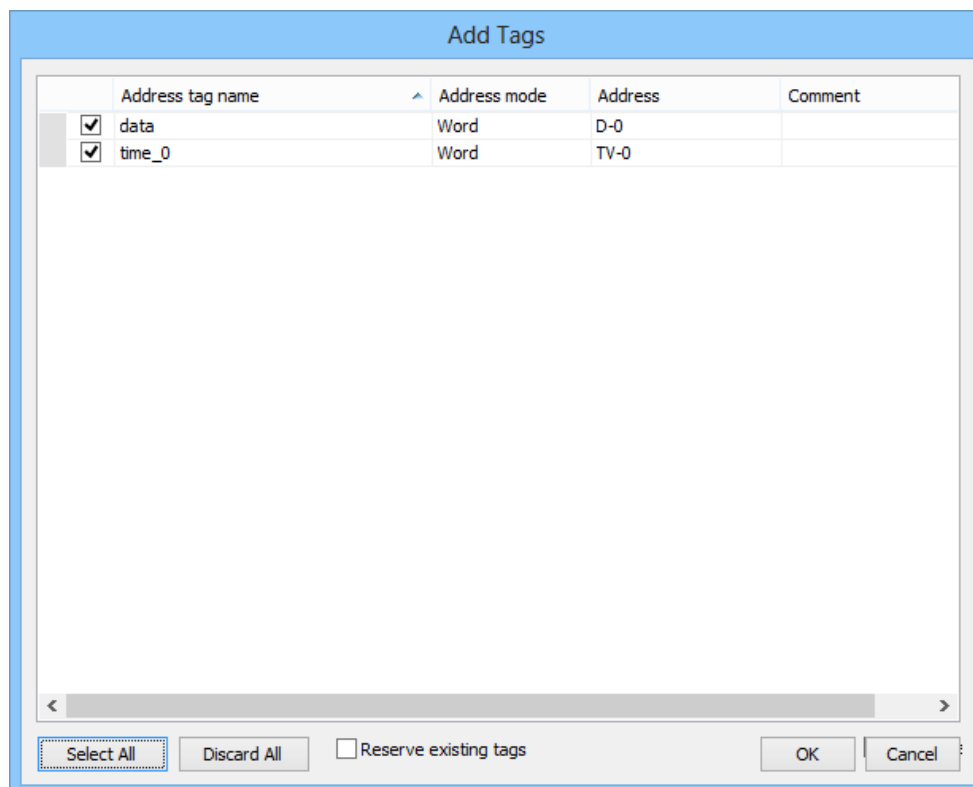
[Export]

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



[Import]

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



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	DDDDDDdd	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

Wiring Diagram:

Ethernet cable:

