Mitsubishi FX5U - ASCII Mode (Ethernet)

Supported Series: Mitsubishi FX5U ethernet module
Website: http://www.mitsubishi-automation.com

HMI Setting:

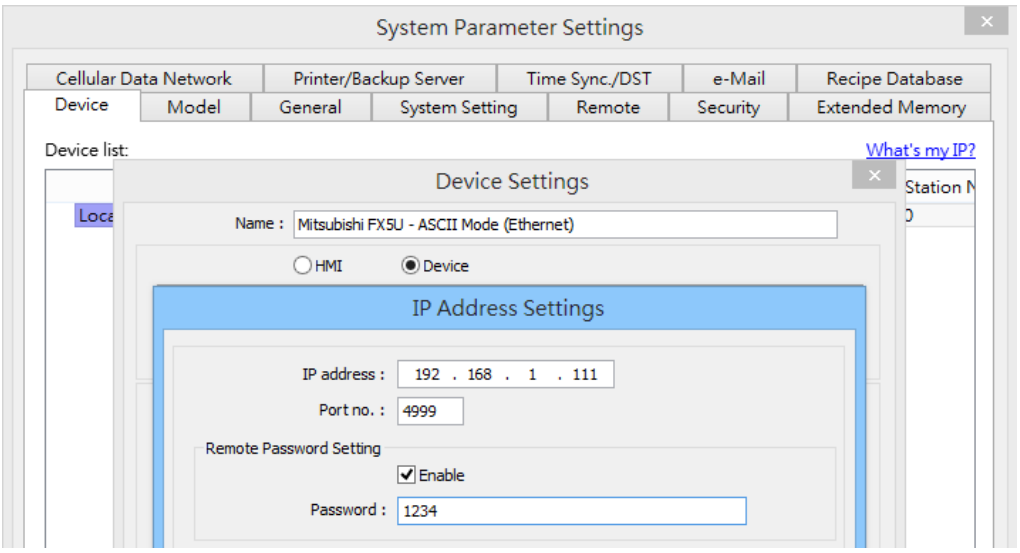
Parameters	Recommended	Options	Notes
PLC type	Mitsubishi FX5U - ASCII Mode (Ethernet)		
PLC I/F	Ethernet		
Port no.	Set identically to the PLC		Adviced to set port no. to 4999
PLC sta. no.	255		
Network number	0	0~999	

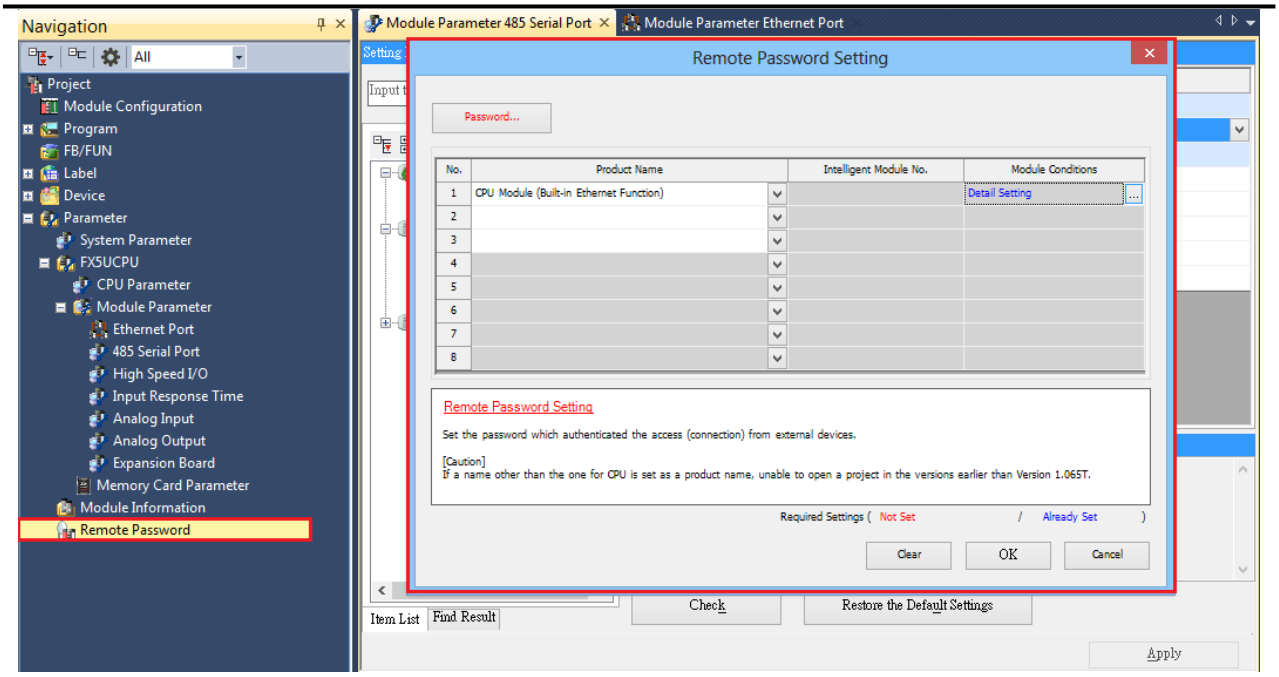
Online simulator	YES

[Remote Password Setting]

Set a remote password and a target connection in the engineering tool, and write the data to the CPU module.

Navigation Window => **[Parameter]** => **[Remote Password]** => **[Remote Password Setting]** Screen





PLC Setting:

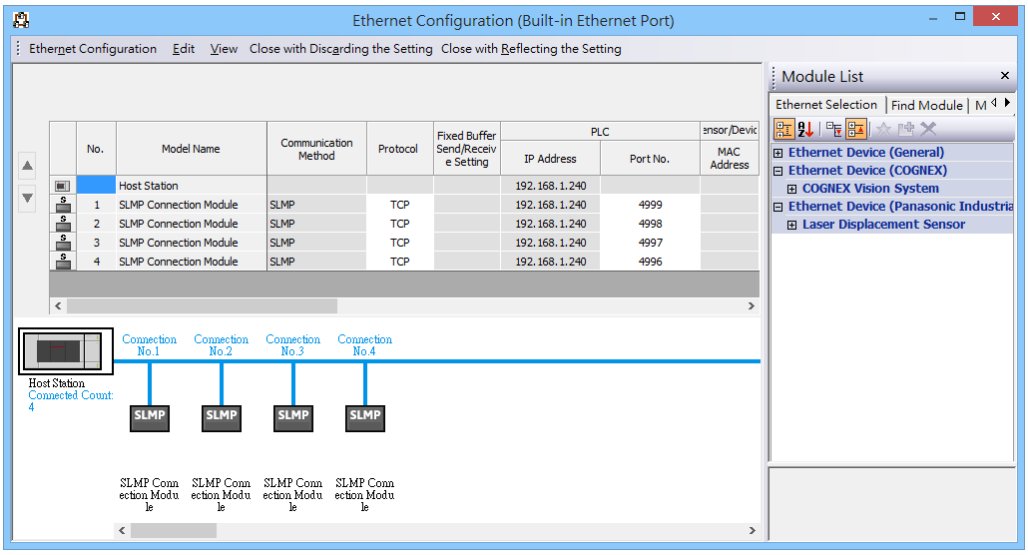
Communication Data Code	ASCII (X, Y OCT)

*ASCII (X,Y HEX) not supported.

[Ethernet Configuration]

To connect PLC with multiple HMIs, Port No. must be set.

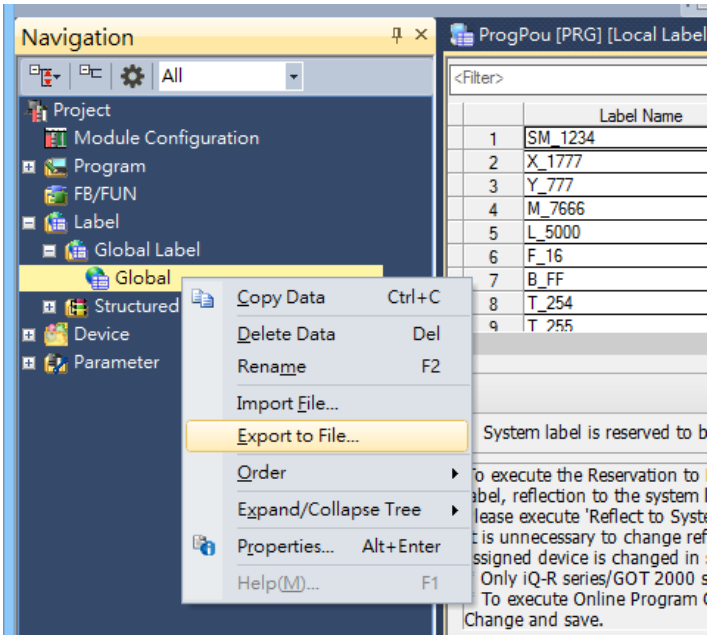
In GX WORK 3, the setting steps are: Project -> Parameter -> FX5UCPU -> Module Parameter -> Ethernet Port -> Setting Item -> External Device Configuration -> Detailed Setting



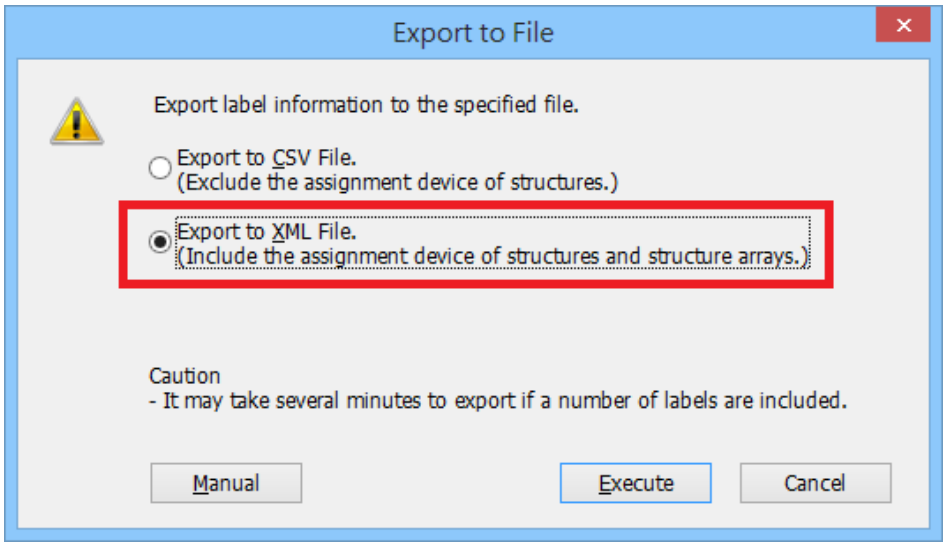
Import Tags:

GX Works3 Export Tags:

1. Project -> Label -> Global Label -> Global, right click on the mouse -> Export to File

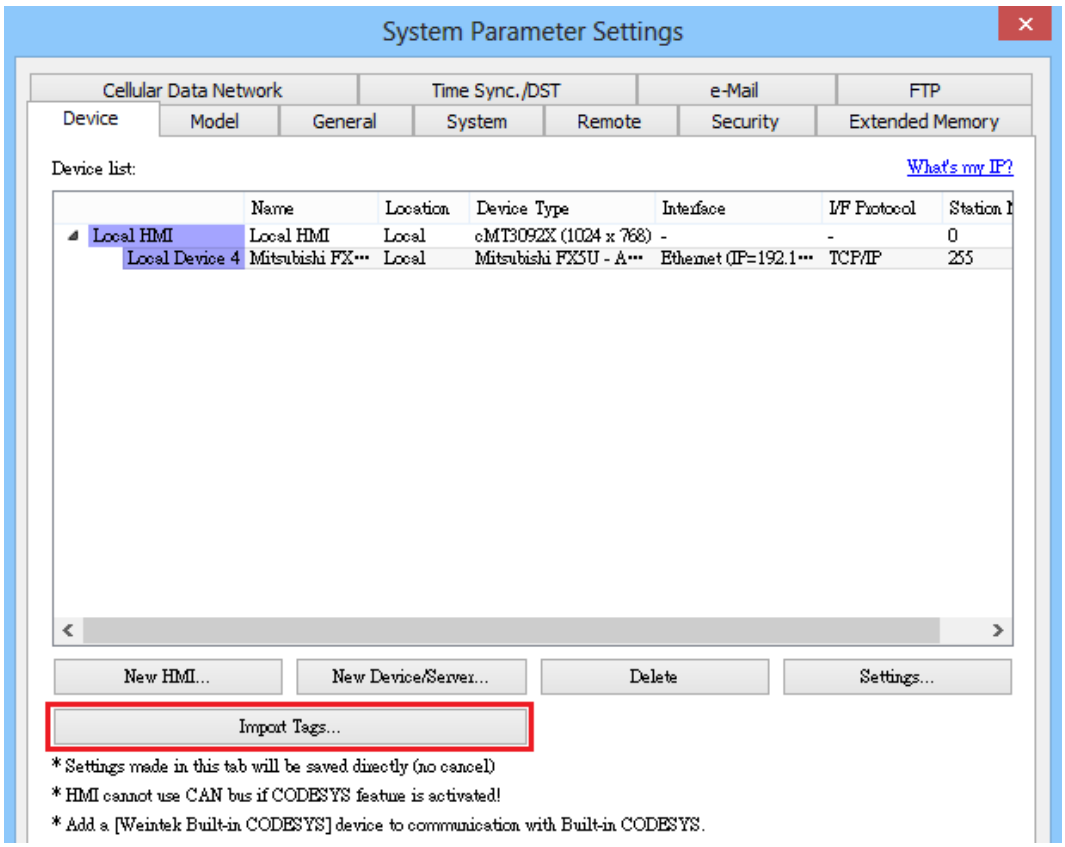


2. Export to XML File -> Excute.

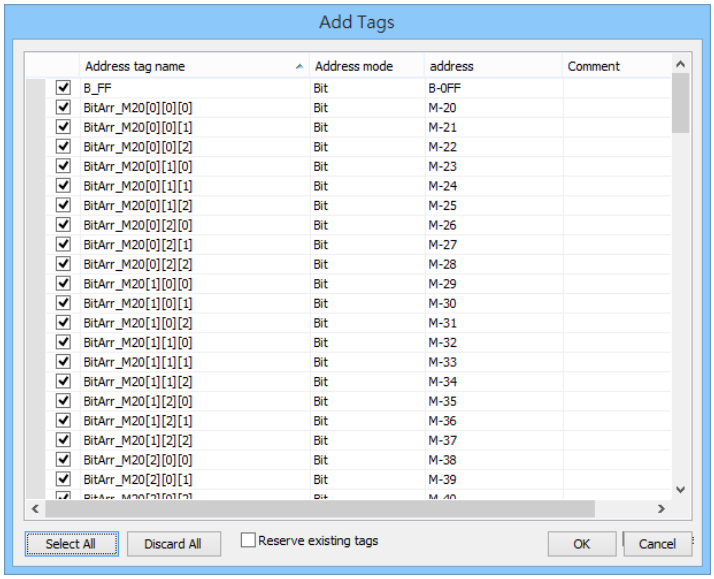


EasyBuilder Pro Import Tags:

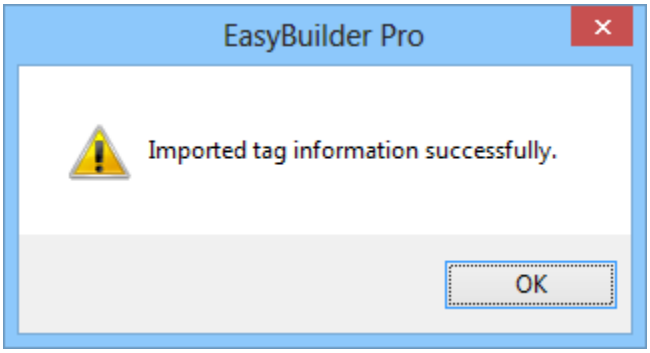
1. After setting the **[System Parameters]** and creating the driver, click **[Import Tags]**.



2. Select the **.XML** file, then select the tag you want to import.



3. Imported tag information successfully.



Limitations:

1. Structure in structure and array in structure are not supported.

2. If TN, CN, LCN, SN and other addresses are used in the structure, three members of **Contact**, **Coil**, and **Current Value** will be automatically generated

3. The String type will end with 0x00. If the length is set to 16 words, then a complete string will be 17 words in length.

4. Support data type list:

Data Type	Support
Bit	V
Word [Unsigned] / Bit String [16-bit]	V
Double Word [Unsigned] / Bit String [32-bit]	V
Word [Signed]	V
Double Word [Signed]	V
FLOAT [Signle Precision]	V
Time	V
String(32)	V
Pointer	X
Timer	V
Counter	V
Long Counter	V
Retentive TImer	V

Device Address:

Bit/Word	Device type	Format	Range	Memo
B	SM	DDDD	0 ~ 9999	Special Relay
B	X	OOOO	0 ~ 1777	Input Relay
B	Y	OOOO	0 ~ 1777	Output Relay
B	M	DDDDD	0 ~ 32767	Internal Relay
B	L	DDDDD	0 ~ 32767	Latch Relay
B	F	DDDDD	0 ~ 32767	Annunciator
B	B	HHHH	0 ~ 7FFF	Link Relay
B	TS	DDDD	0 ~ 1023	Timer Contact
B	TC	DDDD	0 ~ 1023	Timer Coil
B	SS	DDDD	0 ~ 1023	Retentive Timer Contact
B	SC	DDDD	0 ~ 1023	Retentive Timer Coil
B	CS	DDDD	0 ~ 1023	Counter Contact
B	CC	DDDD	0 ~ 1023	Counter Coil
B	SB	HHHH	0 ~ 7FFF	Special Link Relay
B	S	DDDD	0 ~ 4095	Step relay
B	D_Bit	DDDDh	0 ~ 7999F	Data Register bit
B	SD_bit	DDDDDh	0 ~ 11999F	Special register Bit
B	R_bit	DDDDDh	0 ~ 32767F	File Register Bit
B	SW_bit	HHHHh	0 ~ 7FFFF	Special Link Register Bit
B	W_bit	HHHHh	0 ~ 7FFFF	Link Register Bit
DW	LZ	D	0 ~ 1	Long Index Register
W	SD	DDDDD	0 ~ 11999	Special register
W	D	DDDD	0 ~ 7999	Data Register
W	R	DDDDD	0 ~ 32767	File Register
W	W	HHHH	0 ~ 7FFF	Link Register
W	TN	DDDD	0 ~ 1023	Timer Current value
W	SN	DDDD	0 ~ 1023	Retentive Timer Current value
W	CN	DDDD	0 ~ 1023	Counter Current value
W	SW	HHHH	0 ~ 7FFF	Special Link Register
W	Z	DD	0 ~ 19	Index Register

Wiring Diagram:

Ethernet cable: