Mitsubishi MELSEC-Q/L - ASCII Mode (Ethernet)

Supported Series: Mitsubishi Q series (Q03UDE, Q04UDEH, Q06UDEH, Q10UDEH, Q13UDEH, Q20UDEH, Q26UDEH, Q002UD), Mitsubishi L series(L02, L26-BT), MELSEC-Q/L protocol application to CPU of Ethernet interface or Ethernet module.

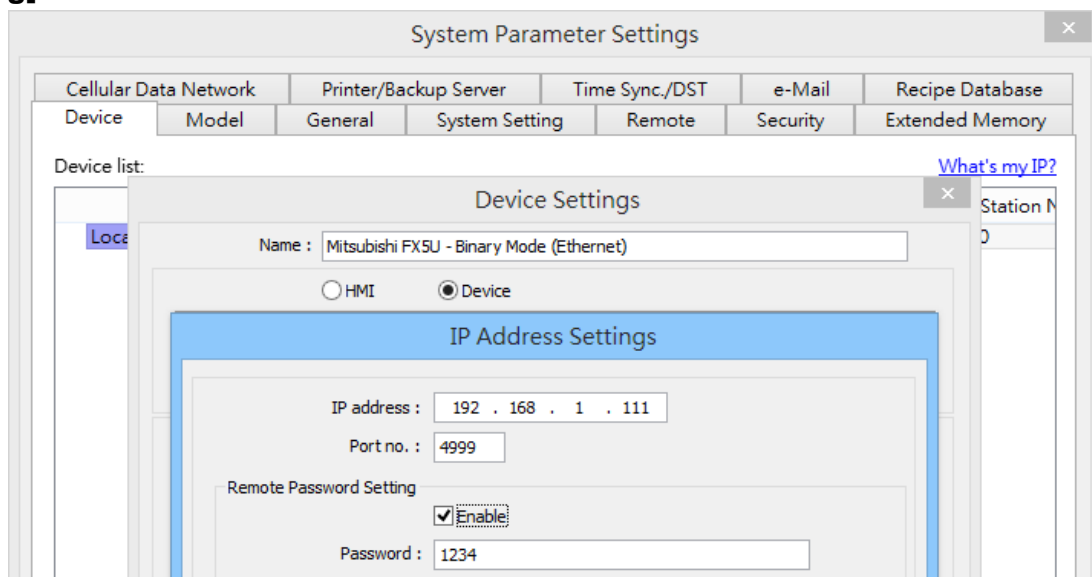Website: http://www.mitsubishi-automation.com

HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	Mitsubishi MELSEC-Q/L - ASCII Mode (Ethernet)		
PLC I/F	Ethernet		
Port no.	4999	1025 to 4999 or 5010 to 65534	
Network number	0	0~255	
PLC sta. no.	255	255	
Protocol	TCP	TCP / UDP	MC Protocol

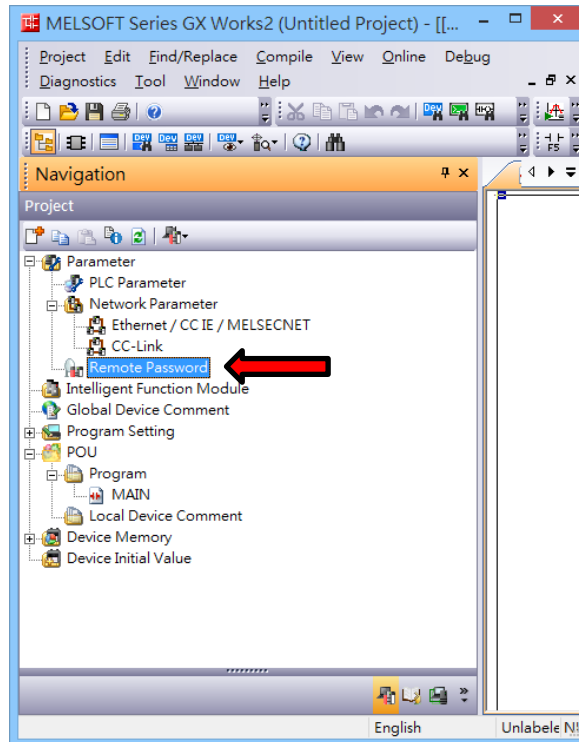| Online simulator	YES

[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
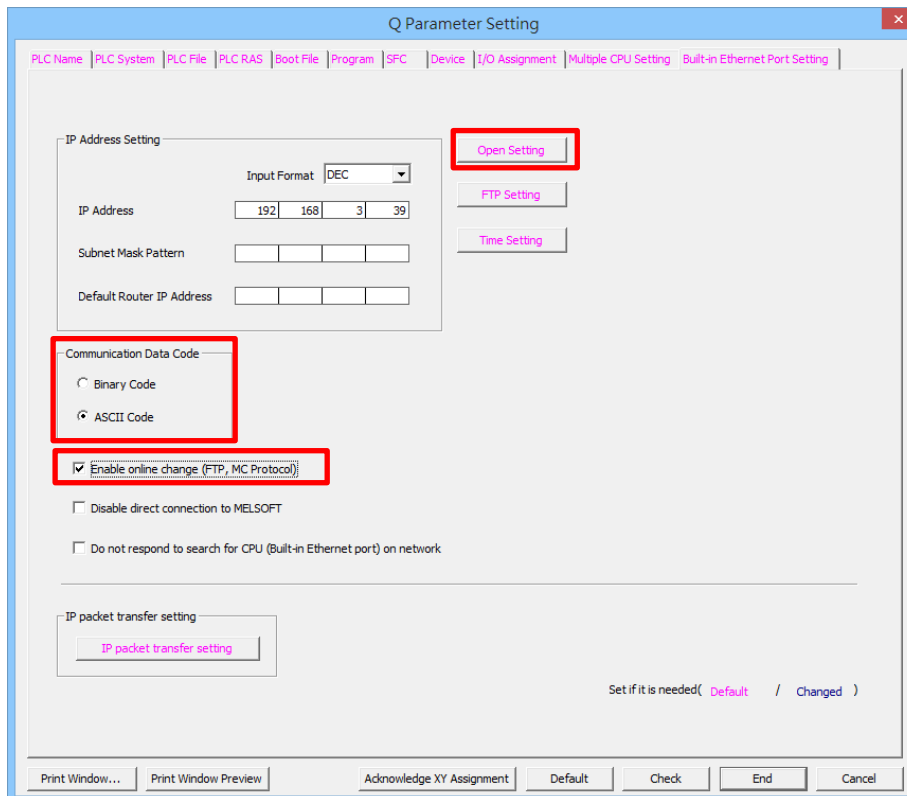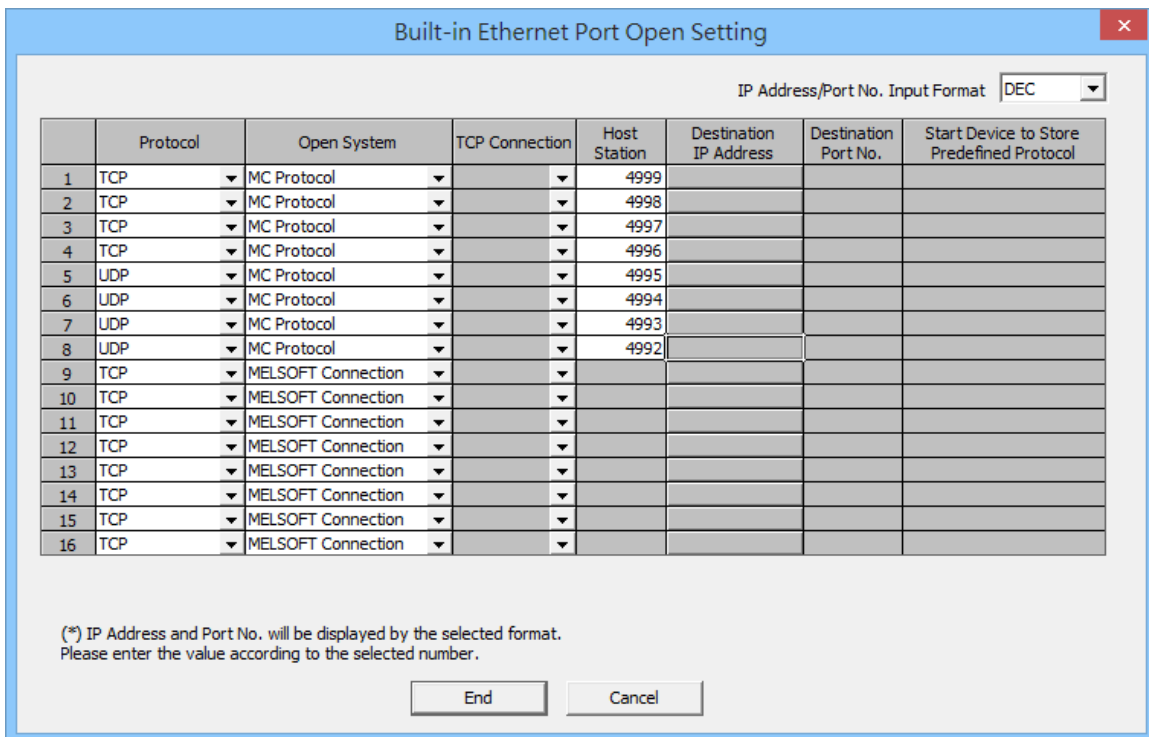
PLC Setting:

MITSUBISHI Q/L series Ethernet module setting:

Note1: Check "Enable online change (FTP, MC protocol)"

Note2: If using QJ71E71 module, please refer to MITSUBISHI QJ71E71 connection guide.

1. **Protocol:** TCP or UDP
2. **Open System:** MC Protocol
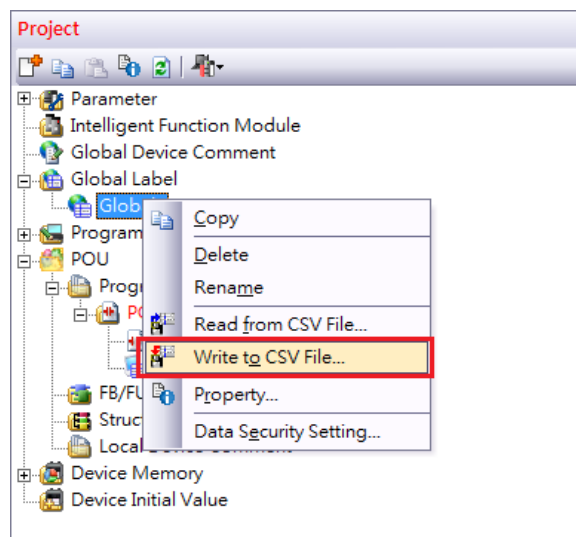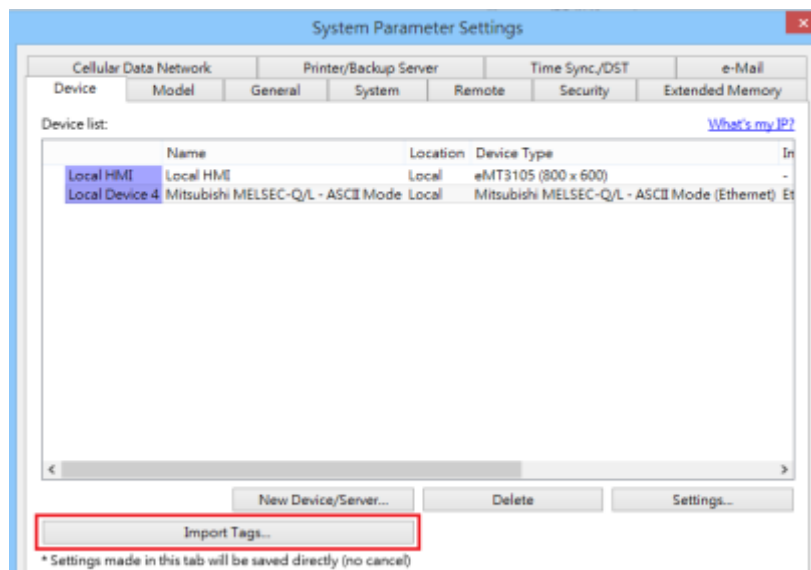3. **Host Station:** 1025 to 4999 or 5010 to 65534

Import Tags:

The Mitsubishi Ethernet tag import accepts symbol files with extension "csv" created by the Mitsubishi GX Works2 (Not from GX Developer).
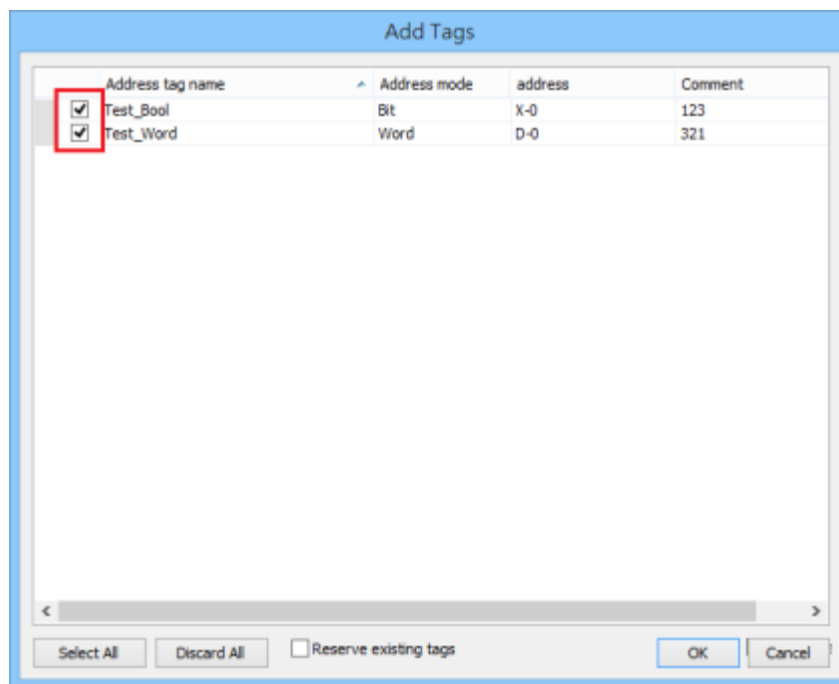
The ".csv" file can be exported from the Project tree.

1. Right-click on the Global variable list that need to be exported.
2. Select "Write to CSV File…"
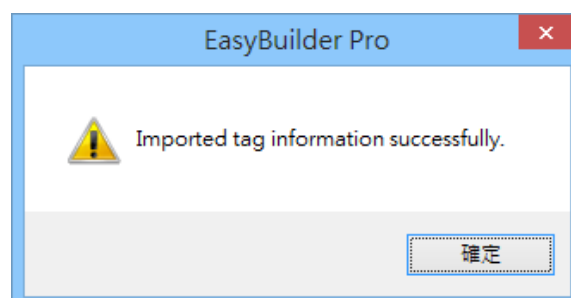3. Select the file name and location.

4. Open EasyBuilderPro -> System Parameter Settings

5. Click "Import Tags…"

6. Select the CSV File.

7. Check the imported tags.

8. Import tag information ssuccessfully.

Device Address:

Bit/Word	Device type	Format	Range	Memo
B	SM	DDDD	0 ~ 2047	Special Relay
B	X	HHHH	0 ~ 1fff	Input Relay
B	Y	HHHH	0 ~ 1fff	Output Relay
B	M	DDDDD	0 ~ 61439	Internal Relay
B	L	DDDDD	0 ~ 32767	Latch Relay
B	F	DDDDD	0 ~ 32767	Annunciator
B	V	DDDDD	0 ~ 32767	Edge Relay
B	B	HHHH	0 ~ efff	Link Relay
B	TS	DDDDD	0 ~ 25471	Timer Contact
B	TC	DDDDD	0 ~ 25471	Timer Coil
B	SS	DDDDD	0 ~ 25471	Retentive Timer Contact
B	SC	DDDDD	0 ~ 25471	Retentive Timer Coil
B	CS	DDDDD	0 ~ 25471	Counter Contact
B	CC	DDDDD	0 ~ 25471	Counter Coil
B	SB	HHHH	0 ~ 7fff	Special Link Relay
B	S	DDDD	0 ~ 8191	Step relay
B	DX	HHHH	0 ~ 1fff	Direct Input
B	DY	HHHH	0 ~ 1fff	Direct Output
B	D_Bit	DDDDDDh	0 ~ 999999f	Data Register bit
B	SD_bit	DDDDh	0 ~ 2047f	Special register Bit
B	ZR_bit	DDDDDDh	0 ~ 999999f	File Register Bit
B	R_bit	DDDDDh	0 ~ 32767f	File Register Bit
B	SW_bit	HHHh	0 ~ 7fff	Special Link Register Bit
B	W_bit	HHHHHHh	0 ~ 3fd7fff	Link Register Bit
W	SD	DDDD	0 ~ 2047	Special register
W	D	DDDDDD	0 ~ 999999	Data Register
W	W	HHHHHH	0 ~ 3fd7ff	Link Register
W	TN	DDDDD	0 ~ 25471	Timer Current value
W	SN	DDDDD	0 ~ 25471	Retentive Timer Current value
W	CN	DDDDD	0 ~ 25471	Counter Current value
W	SW	HHH	0 ~ 7ff	Special Link Register
W	Z	DD	0 ~ 20	Index Register
W	R	DDDDD	0 ~ 32767	File Register
W	ZR	DDDDDD	0 ~ 999999	File Register

Note: Each model of CPU is different, it is recommended to refer to MITSUBISHI MELSEC-Q Manual Device List.

Wiring Diagram:

Ethernet cable: