Advantech SE Technical Share Document

Date	2019 / 10/ 03	**Related Product**	WOP-2000, WA-HT3000, WebAccess/HMI Runtime
Category	□ FAQ □ SOP ■ Driver Tech Note		
Abstract	How to connect HMI and Mitsubishi FX3U-ENET module		
Keyword	WOP-2000 / WA-HT3000 / WebAccess/HMKI Runtime FX3U-ENET / FX3U-ENET-L		
Related OS	RTOS / WINCE / Windows		

Revision History

Date	Version	Author	Reviewer	Description
2019/10/03	V1.0	Black Chang	Nick Liu	WA/HMI V2.1.9.31

■ **Problem Description & Architecture:**

How to connect HMI and Mitsubishi FX3U-ENET module

■ **Brief Solution - Step by Step:**

Mitsubishi FX3U-ENET-ADP

This Tech Note is the instruction about how to connect with FX3U-ENET/ENET-L and the setting notes while using the touch panel.

(Apply to FX3U-ENET/ENET-L communication protocol Series. In this document, the practical test machine is FX3U-ENET-L.)

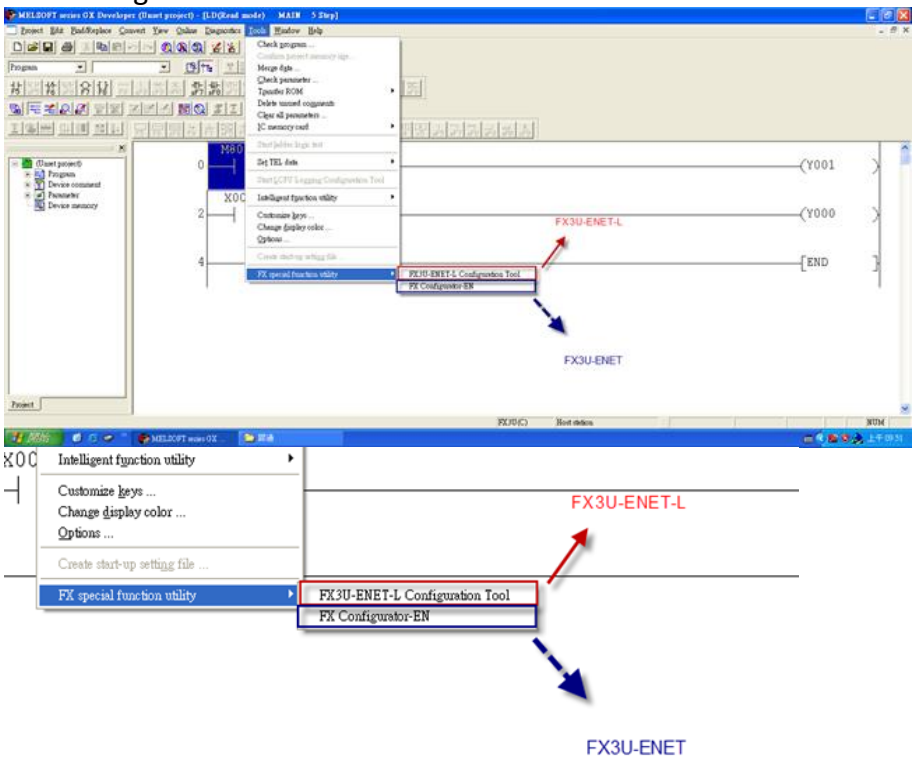
PLC setting

Mitsubishi -FX3U-ENET/ENET-L setting

1. FX3U-ENET controller setting:

Note: Need to install FX special function utility software

The setting software is different between ENET and ENET-L.



2. FX3U-ENET parameter setting

2-1. Open software => select Module 0

2-2. Operational settings

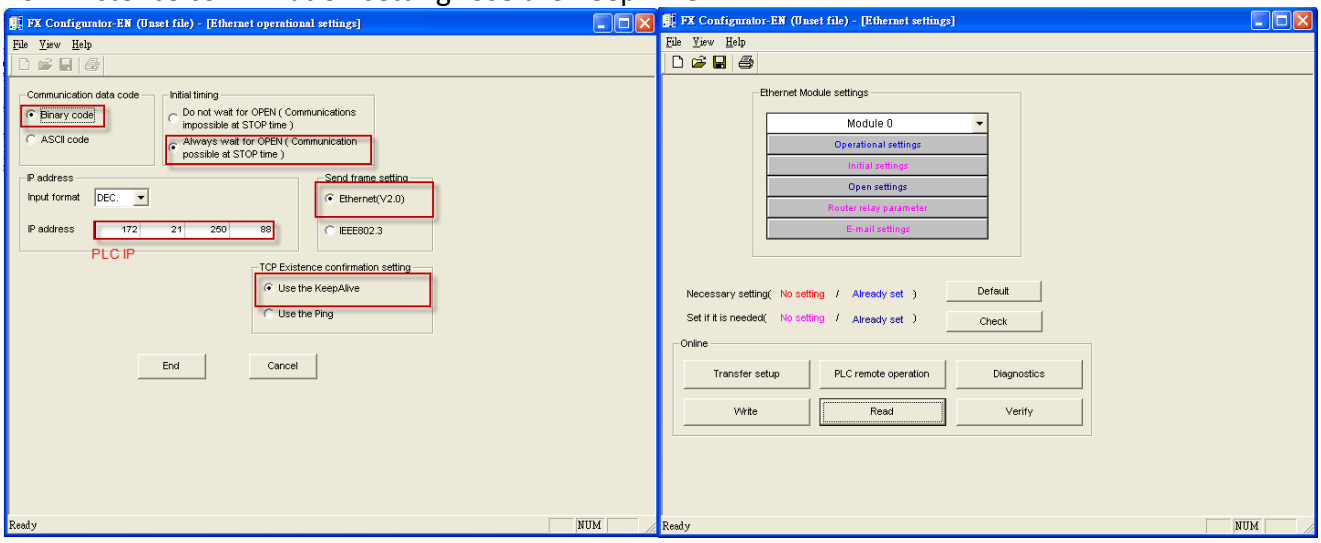
Communication data code: Binary code

Initial timing: Always wait for OPNE (Communication possible at STOP time)

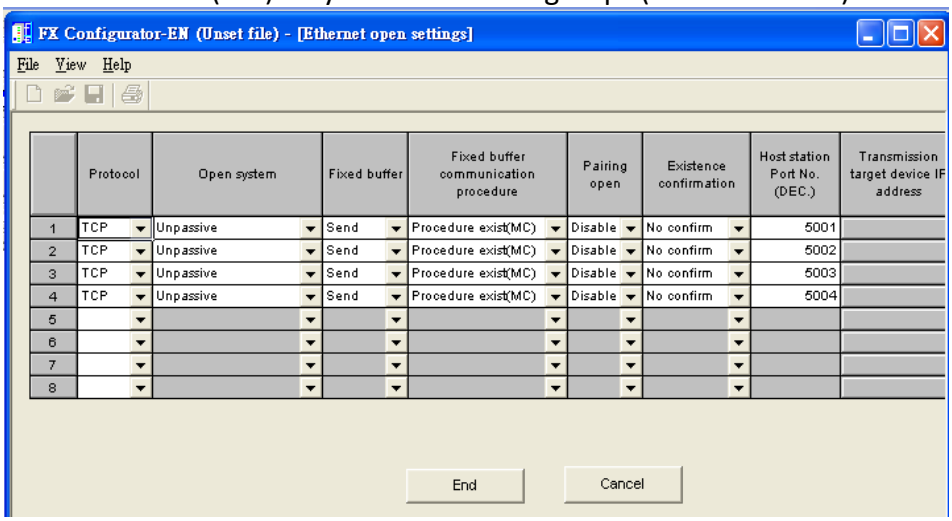
IP address: XXX.XXX.XXX.XXX (ex: 172.21.250.88)

Send frame setting: Ethernet (v2.0)

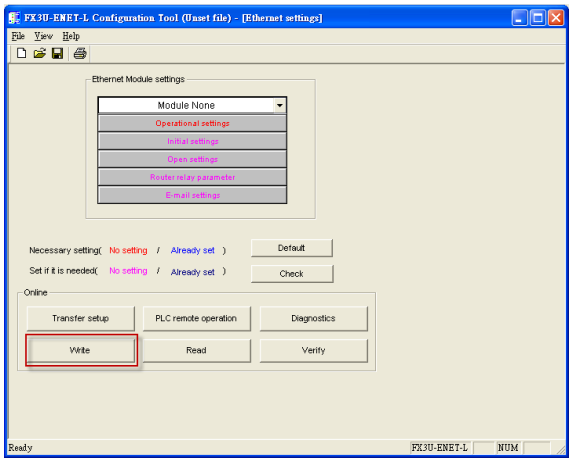
TCP Existence confirmation setting: Use the KeepAlive



2-3. Open settings
Protocol: TCP
Open system: Un-passive
Fixed buffer: Send
Fixed buffer communication procedure: Procedure exist (MC)
Pairing open: Disable
Existence confirmation: NO confirm
Host station Port NO. (DEC): range is 1025 to 65534(ex: 5001~5004)
Procedure exist (MC) only can be set four groups (Ex: 5001~5004)

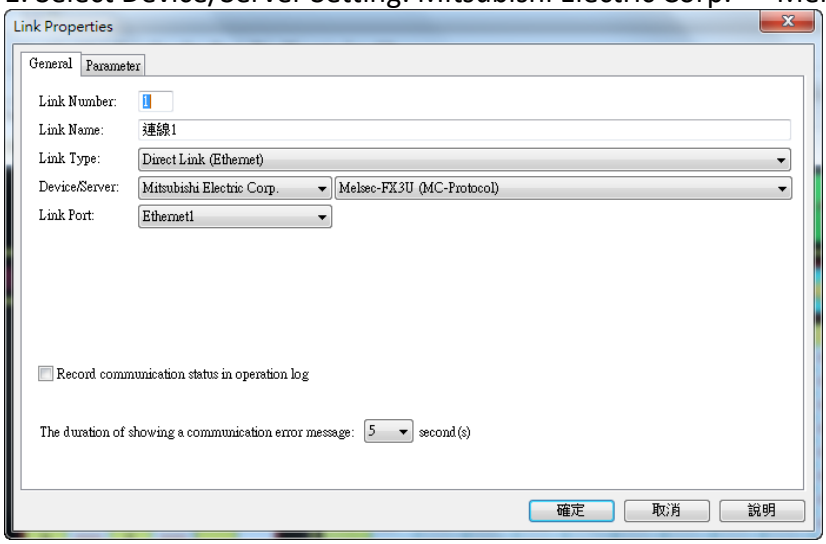


2-4. Press the button “Write”

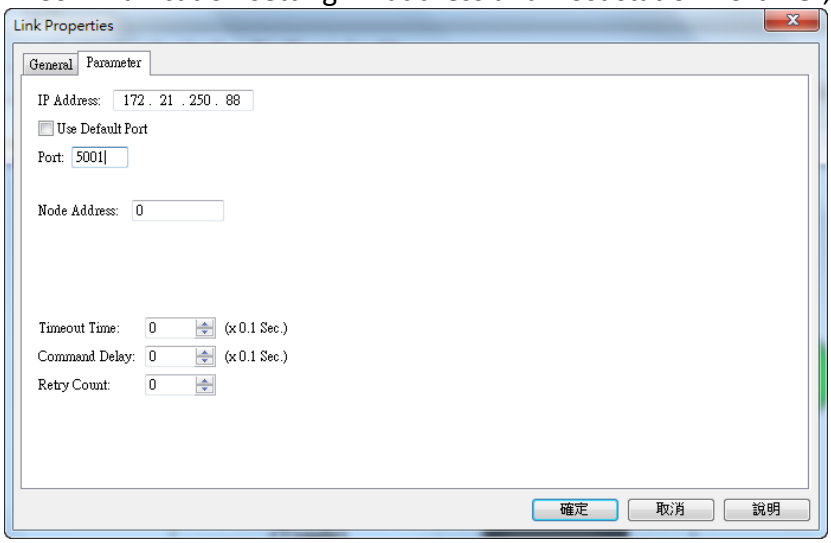


HMI Setting

1. Select Device/Server Setting: Mitsubishi Electric Corp. --- Melsec-FX3U (MC-Protocol) setting

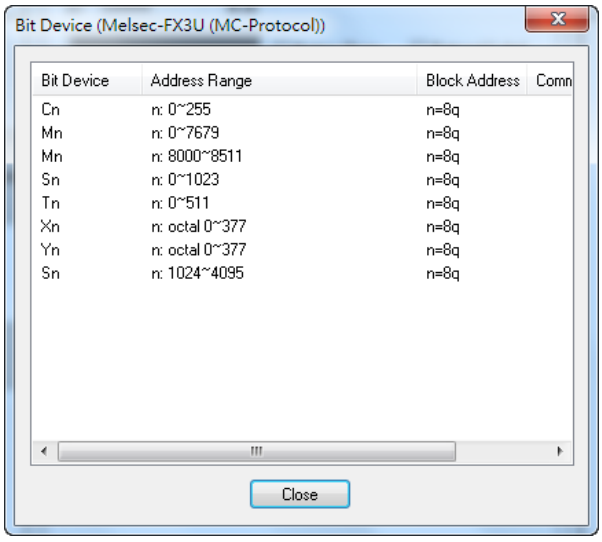


2. Communication setting: IP address and Host station Port NO., please refer to PLC

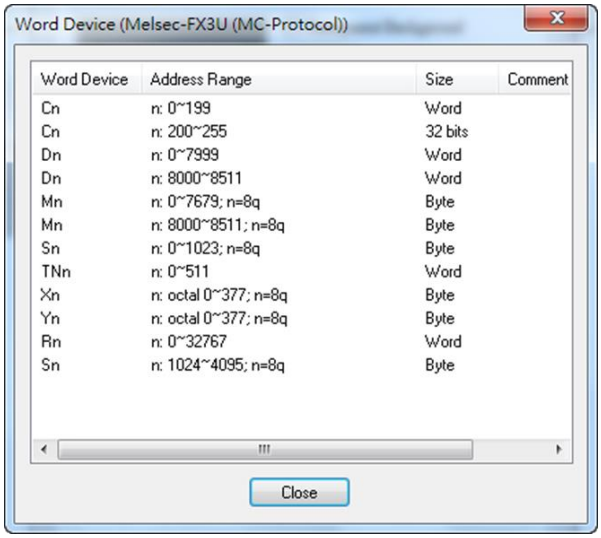


PLC Device List

Bit Device:



Word Device:



- **Pin Definition (in case of serial connection):**

- **Reference:**