MITSUBISHI Electric Corporation MELSEC iQ-F

TOP Design Studio

Ethernet

Supported version

V1.4.11.31 or higher



CONTENTS

We would like to thank our customers for using M2I's "Touch Operation Panel (M2I TOP) Series". Read this manual and familiarize yourself with the connection method and procedures of the "TOP and external device".

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Describes the devices required for connection, the setting of each device, cables, and configurable systems.

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Select a TOP model and an external device.

3. TOP communication setting Page 4

Describes how to set the TOP communication.

5. Supported addresses

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Describes how to set up communication for external devices.

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Refer to this section to check the addresses which can communicate with an external device.



1. System configuration

The system configuration of TOP and "MITSUBISHI Electric Corporation - MELSEC iQ-F Ethernet" is as follows.

Series	CPU	Link I/F	Communication method	Communication setting	Cable
MELSEC iQ-F	FX5U FX5UC	Built in Ethernet Port	Ethernet (TCP/UDP)	<u>3. TOP</u> communication <u>setting</u> <u>4. External device</u> <u>setting</u>	Twisted pair cable*Note 1)

*Note 1) Twisted pair cable

- Refer to STP (Shielded Twisted Pair Cable) or UTP (Unshielded Twisted Pair Cable) Category 3, 4, 5.

- Depending on the network configuration, you can connect to components such as the hub and transceiver, and in this case, use a direct cable.

■ Connectable configuration

1:1 connection



• 1:N connection





2. External device selection

■ Select a TOP model and a port, and then select an external device.

PLC select [E	thernet]				
Filter : [All]			\sim	Search :	
					1odel 🔿 Vendor
Vendor		Model			
M2I Corporation	^		MELSEC Q Series		
MITSUBISHI Electric Co	rporation	8	MELSEC FX Series		
OMRON Industrial Auto	mation	8	MELSEC AnN/AnS Series	1	
LS Industrial Systems			MELSEC AnA/AnU Series		
MODBUS Organization				, ,	
SIEMENS AG.			MELSEC iQ-R Series		
Rockwell Automation			MELSEC iQ-F Series		
GE Fanuc Automation					
PANASONIC Electric W	orks				
YASKAWA Electric Core	oration				
YOKOGAWA Electric Co	rooration				
Schneider Electric Indu	etriec				
VDT Systems	50105				
KDT Systems					
RS Automation		-			
	EC EV Sorio	- 1			
PLC Setting[MELS Alias Name	: PLC1	•1	Bind IP : Auto	~	
PLC Setting[MELS Alias Name Interface	: PLC1 : Ethernet	• 1	Bind IP : Auto	~	
PLC Setting[MELS Alias Name Interface Protocol	: PLC1 : Ethernet : SLMP 3E Bina	у	Bind IP : Auto	~	Comm Manual
PLC Setting[MELS Alias Name Interface Protocol String Save Mode	: PLC1 : Ethernet : SLMP 3E Bina : First LH HL	y Cha	Bind IP : Auto	~	Comm Manual
PLC Setting[MELS Alias Name Interface Protocol String Save Mode	: PLC1 : Ethernet : SLMP 3E Bina : First LH HL	y Cha	Bind IP : Auto	~	Comm Manual
PLC Setting[MELS Alias Name Interface Protocol String Save Mode Use Redundan Operate Condition :	: PLC1 : Ethernet : SLMP 3E Bina : First LH HL CY	y Cha	Bind IP : Auto	~	Comm Manual
PLC Setting[MELS Alias Name Interface Protocol String Save Mode	: PLC1 : Ethernet : SLMP 3E Bina : First LH HL CY IND	y Cha	Bind IP : Auto	v	Comm Manual
PLC Setting[MELS Alias Name Interface Protocol String Save Mode Use Redundan Operate Condition : Change Condition : I	PILC1 Ethernet SLMP 3E Bina First LH HL Cy TimeOut Condition	ry Cha	Bind IP : Auto	v	Comm Manual
PLC Setting[MELS Alias Name Interface Protocol String Save Mode	I FILCI I Ethernet I SLMP 3E Bina First LH HL CY AND Condition	y Cha	Bind IP : Auto		Comm Manual
PLC Setting[MELS Alias Name Interface Protocol String Save Mode Use Redundan Operate Condition : Change Condition : Primary Option IP	I PLC1 Ethernet SLMP 3E Bina First LH HL CY ND Condition 192	y Cha	Bind IP : Auto		Comm Manual
PLC Setting[MELS Alias Name Interface Protocol String Save Mode Use Redundan Operate Condition : Change Condition : Primary Option IP Ethernet Protocol	IPLC1 Server Ethernet SLMP 3E Bina First LH HL CY ImeOut Condition	y Cha	Bind IP : Auto		Comm Manual
PLC Setting[MELS Alias Name Interface Protocol String Save Mode Use Redundan Operate Condition : Change Condition : Primary Option IP Ethernet Protocol Port	IPLC1 Series IPLC1 IEthernet ISLMP 3E Bina First LH HL CY NND ImeOut Condition 192 (C) TCP 1025 (C)	y Cha	Bind IP : Auto		Comm Manual
PLC Setting[MELS Alias Name Interface Protocol String Save Mode Use Redundan Operate Condition : Change Condition : Primary Option IP Ethernet Protocol Port Timeout	I PLC1 : [PLC1 : Ethernet : SLMP 3E Bina : First LH HL CY NND □ TimeOut 192 : 1025 : 1000 :	y Cha	Bind IP : Auto		Comm Manual
PLC Setting[MELS Alias Name Interface Protocol String Save Mode Use Redundan Operate Condition : Change Condition : Primary Option IP Ethernet Protocol Port Timeout Send Wait	I PLC1 : [PLC1 : Ethernet : SLMP 3E Bina : First LH HL CY NND I TimeOut 192 € 1025 € 1000 € 0 €	y Cha 5 : 168 €]] msec] msec	Bind IP : Auto		Comm Manual
PLC Setting[MELS Alias Name Interface Protocol String Save Mode Use Redundan Operate Condition : Change Condition : Primary Option IP Ethernet Protocol Port Timeout Send Wait Password	I PLC1 : [PLC1 : Ethernet : SLMP 3E Bina : First LH HL CY TIMEOut 192 ♥ 1025 ♥ 1000 ♥ 0 ♥ Unused ∨	y Cha 5 : 168 ♥]] msec] msec	Bind IP : Auto		Comm Manual
PLC Setting [MELS Alias Name Interface Protocol String Save Mode Use Redundan Operate Condition : Change Condition : Change Condition : Primary Option IP Ethernet Protocol Port Timeout Send Wait Password	IPC1 Series IPC1 Series Ethernet SLMP 3E Bina First LH HL CY TimeOut 1025 € 1025 € 1000 € 0 €	y Cha	Bind IP : Auto		Edit
PLC Setting [MELS Alias Name Interface Protocol String Save Mode Use Redundan Operate Condition : Change Condition : Primary Option IP Ethernet Protocol Port Timeout Send Wait Password	IPC1 Ethernet SLMP 3E Bina First LH HL CY TimeOut 192 € [TCP ~ 1025 € 1000 € 0 € Unused ~	y Cha 5 : 160 €] msec]] msec	Bind IP : Auto		Edit
PLC Setting[MELS Alias Name Interface Protocol String Save Mode Use Redundan Operate Condition : Change Condition : Primary Option IP Ethernet Protocol Port Timeout Send Wait Password	IPC1 Selfer IPC1 Ethernet ISLMP 3E Bina First LH HL CY TImeOut 192 € [TCP \ 1000 € 1000 € Unused \	y Cha 5 ; 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Bind IP : Auto		Edit

Settings		Contents			
TOP	Model	Check the display and process of TOP to select the touch model.			
External device	Vendor	Select the vendor of the external device to be connected to TOP. Please select "MITSUBISHI Electric Corporation".		P.	
	PLC	Select the external device to be connected to the TOP.			
		Model	Interface		Protocol
		MELSEC FX Series	Ethernet		Set Users
		Supported Protocol			
		SLMP 3E Ascii		SLMP 3E Binary	
		Please check the system config connect is a model whose syste	guration in C em can be co	hapter 1 to see if t onfigured.	he external device you want to



3. TOP communication setting

The communication can be set in TOP Design Studio or the TOP main menu. The communication should be set in the same way as that of the external device.

3.1 Communication setting in TOP Design Studio

(1) Communication interface setting

- [Project] → [Property] → [TOP Setting] → [HMI Setup] → [Use HMI Setup Check] → [Edit] → [Ethernet]
- Set the TOP communication interface in TOP Design Studio. Project Option × Change HMI[H] Keil Add PLC [A] The Change PLC[C] Change PLC[D] TOP Setting Date / Time Sync. Screen Option Unit Convert Project Option Screen Change HmiSetup Global Lock & Touch Project Style Splash PLC Buffer Sync. FieldBus (0) FieldBus (0) FieldBus (0) FieldBus (0) Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison FieldBus (0) Fiel Use HMI Setup Initialization Edit mi setup Opt Project Setting HMIDisable=0 Project Name=New projec Start Mode=Menu Start Screen No. = 1 COM2 (0) COM3 (0) Ethernet (1) PLC1 : MELSEC FX Series Wireless (0) USBDevice (0) ^ Start Screen No. = 1 Latch Use = 0 Latch Set = 0 ~ 0 Communication Error Mess USBErrorMessage = 0 StorageErrorMessage = 1 DatabaseMessage = 1 Control Panel System Devices G Ethernet TOP \times Port -1-1-1-1-1 Ethernet Port : ETH1 • 0 • 1 Link Speed : Auto • MAC Address : 00:00:00:00:00:00 PLC Security Date/Time IP Address : 192.168.0.100 Subnet Mask : 255.255.255.0 Gateway : 192.168.0.1 .0 0 \checkmark \checkmark 🗹 Default Gateway DNS (1) : Ethernet Serial HDM I DNS (2) : Ethernet -Primary IP : 192.168.0.100 - \checkmark /Ping Cable Status : Ping Diagnost ic File 🗌 Use Bridge Manager Bridge Mode : Check duplicate Apply Cancel

Items	ТОР	External device	Remarks
IP Address	192.168.0.100	192.168.0.50	*Note *Note 2)
Subnet Mask	255.255.255.0	255.255.255.0	
Gateway	192.168.0.1	192.168.0.1	

* The above settings are examples recommended by the company.

*Note 1) The network addresses of the TOP and the external device (the first three digits of the IP, <u>192</u>. <u>168</u>. <u>0</u>. 0) should match.

*Note 2) Do not use duplicate IP addresses over the same network.

Items	Description
IP Address	Set the IP address of the TOP.
Subnet Mask	Enter the subnet mask of the network.
Gateway	Enter the gateway of the network.



(2) Communication option setting

- [Project] → [Project properties] → [PLC settings > Ethernet > "PLC1 : MELSEC-FX Series"]
 - Set the options of the communication driver of MELSEC FX Series in TOP Design Studio.

Project Option			×
Change HMI[H] Add P	LC [A] TITI Change PLC[C] Delete PLC[D]		
Clarge rinking Fieldsus (0) Fieldsus (0) Fieldsus (0) COM1 (0) COM2 (0) COM3 (0) Fithernat (1) Wireless (0) USBDevice (0)	PLC Setting[MELSEC FX Series] Alias Name : PLC1 Interface : Ethernet Protocol : SUMP 3E Binary String Save Mode : First LH HL Change Condition : Image Condition : Interface : Ethernet Protocol : SUMP 3E Binary Operate Condition : Image Condition : Image C	Co	mm Manual
		Apply	Close

Items	Settings	Remarks
Interface	Select Ethernet.	Refer to "2. External
Protocol	Select the communication protocol between the TOP and an external device.	device selection".
IP	Enter the IP address of the external device.	
Ethernet Protocol	Select the Ethernet protocol between the TOP and an external device.	
Port	Enter the Ethernet communication port number of an external device.	
TimeOut (ms)	Set the time to wait for a response from an external device.	
SendWait (ms)	Set the waiting time between TOP's receiving a response from an external device	
	and sending the next request.	
Password	Enter the password of the external device.	



3.2. Communication setting in TOP

* This is a setting method when "Use HMI Setup" in the setting items in "3.1 TOP Design Studio" is not checked.

■ Touch the top of the TOP screen and drag it down. Touch "EXIT" in the pop-up window to go to the main screen.



(1) Communication interface setting

■ [Control Panel] → [Ethernet]

	ō	🖬 Ethernet 🗙 🗙
Run	System	Port Detion
	PLC Se	MAC Address : 00:15:1D:05:38:C5 IP Address : 192.168.0.100
YNC Viewer	<u>م</u>	Subnet Mask : 255.255.255.0 Gateway : 192.168.0.1 Default Gateway
0.	Ethernet	DNS (1) : Wi-Fi DNS (2) :
Screen shot	Diagnostic	Ethernet Primary IP : 192.168.0.100 BRAM
		Cable Status : ETH1 Connected Bridge Mode : Use Bridge
	[System]	Check duplicate Apply Cancel Close

Items	ТОР	External device	Remarks
IP Address	192.168.0.100	192.168.0.50	*Note *Note 2)
Subnet Mask	255.255.255.0	255.255.255.0	
Gateway	192.168.0.1	192.168.0.1	

 * The above settings are $\underline{\text{examples}}$ recommended by the company.

*Note 1) The network addresses of the TOP and the external device (the first three digits of the IP, <u>192</u>. <u>168</u>. <u>0</u>. 0) should match.

*Note 2) Do not use duplicate IP addresses over the same network.

Items	Description
IP Address	Set the IP address of the TOP.
Subnet Mask	Enter the subnet mask of the network.
Gateway	Enter the gateway of the network.



(2) Communication option setting

■ [Control Panel] → [PLC]



Items	Settings	Remarks
Interface	Select Ethernet.	Refer to "2. External
Protocol	Select the communication protocol between the TOP and an external device.	device selection".
IP	Enter the IP address of the external device.	
Ethernet Protocol	Select the Ethernet protocol between the TOP and an external device.	
Port	Enter the Ethernet communication port number of an external device.	
TimeOut (ms)	Set the time to wait for a response from an external device.	
SendWait (ms)	Set the waiting time between TOP's receiving a response from an external device	
	and sending the next request.	
Password	Enter the password of the external device.	



3.3 Communication diagnostics

■ Check the interface setting status between the TOP and an external device.

- Touch and drag the top of the TOP screen down to move to the main screen by touching "EXIT" on the top menu.

- Check whether the port setting is correct in [Control panel] \rightarrow [Ethernet].

- Diagnosis of whether the port communication is normal or not
- Touch "Communication diagnostics" in [Control Panel] \rightarrow [PLC].
- Check whether communication is connected or not.

Communication	Communication setting normal
diagnostics	
succeeded	
Error message	Communication setting abnormal
	- Check the cable, TOP and the external device settings. (Reference: Communication diagnostics sheet)

Communication diagnostics sheet

- If there is a problem with the communication connection with an external terminal, please check the settings in the sheet below.

Items	Contents		Check		Remarks	
System	How to connect the system		OK	NG	1 System configuration	
configuration	Connection cable name		OK	NG	1. System configuration	
ТОР	Version information		ОК	NG		
	Port in use		OK	NG		
	Driver name		OK	NG		
	Other detailed settings	OK	NG			
	Relative prefix	Project setting	OK	NG	2. External device selection	
		Communication diagnostics	ОК	NG	3. Communication setting	
	Ethernet port setting	IP Address	OK	NG		
		Subnet Mask	OK	NG		
		Gateway	ОК	NG		
External device	CPU name	OK	NG			
	Communication port n	OK	NG			
	Protocol (mode)	OK	NG			
	Setup Prefix	OK	NG	4. External device extrine		
	Other detailed settings		OK	NG	4. External device setting	
	Ethernet port setting	IP Address	OK	NG		
		Subnet Mask	OK	NG		
		Gateway	OK	NG		
Check the address range.		ОК	NG	<u>5. Supported addresses</u> (For details, please refer to the PLC vendor's manual.)		



4. External device setting

For more detailed setting methods than described in this example, refer to the manufacturer's user manual.

Step 1. Set the PLC's Ethernet parameters in Navigation window \rightarrow [Parameter] \rightarrow [FX5UCPU] \rightarrow [Module Parameter] \rightarrow [Ethernet Port] \rightarrow [Basic Settings] \rightarrow [Own Node Settings].

🔢 MELSOFT GX Works3 (Unitiled Project) - [Module Parameter Ethernet Port]								
Eroject Edit End/Replace Convert View Online Debug Diagnostics Tool Window Help								
i 🗅 🔁 💾 🎒 🥥	; 🗄 🗈 🖪 🖛 🛥 🖼 🖼 🛤 🖛	• 👧 👧 🛤 🐰 🐘 🐘 👂 🏘 🥔	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Max.: 👻				
1989年1月1日 南京 1989 1997 1997 1997 1997 1997 1997 1997								
Navigation 4 ×	A Module Parameter Ethernet Port ×			4 ▷ 👻 Element Selection				
	Setting Item List	Setting Item		(Find POU)				
Project	Insuit the Catting Item to Casuah	Item	Setting	●● ● ☆□× ⊒-				
Module Configuration	Input the Setting Kenn to Search (m)	😑 Own Node Settings		Display Target: All 👻				
🗉 🐜 Program		- IP Address						
T Chabel	E DA	IP Address Subset Meek	192,168, 0, 50					
🗖 🚰 Device	own Node Settings	Default Gateway	200,200,200, 0					
😑 🫃 Parameter	External Device Configurat	Communication Data Code	Binary					
System Parameter	Haran Application Settings	😑 External Device Configuration						
CPU Parameter		External Device Configuration	<detailed setting=""></detailed>					
🔲 🥁 Module Parameter								
원 Ethernet Port								
485 Serial Port				POU Favo Hist Mod				
Input Response Time				Input the Configuration Det $rak{P}$ $ imes$				
Analog Input								
📣 Analog Output								
Extended Board		Evolution						
Memory Card Paramet		Set the IP address, subnet mask, and d	lefault gateway for the own node,					
Remote Password								
				-				
	4							
	Item List Find Result	Check Restore th	ne Defa <u>u</u> lt Settings					
	· · · · · · · · · · · · · · · · · · ·		Apply					
	1							
	Progress			д×				
				^				
				-				
	Output IIII Progress							
<u> </u>		FX5U	Host-192.168.3.250	CAP NUM .:				
L								

Items	Settings	Remarks
IP Address	Set the IP of PLC.	
Subnet Mask	Enter the subnet mask of the network.	
Default Gateway	Enter the gateway of the network.	
Communication Data Code	Set the data code of communication data.	*Note 1)

*Note 1) For ASCII, set it as ASCII(X, Y OCT).

X After entering the parameters, press Apply button.



Step 2. Add SLMP Connection Module in the navigation window \rightarrow [Parameter] \rightarrow [FX5UCPU] \rightarrow [Module Parameter] \rightarrow [Ethernet Port] \rightarrow [Basic Settings] \rightarrow [External Device Configuration].

	MELSOFT GX Works3 (Untitled Pr	oject) - [Module Para	meter Ethernet Port]		_						
	Project Edit Eind/Replace Co	onvert <u>V</u> iew <u>O</u> nli	ne De <u>b</u> ug <u>D</u> iagnostics	s <u>T</u> ool <u>W</u> indow <u>H</u>	ielp						_ @ ×
	i 🗅 😁 💾 🎒 🥥	ç i 🔏 🗈 🖪	n 🗠 📴 🔤 🖷 🖛	2 🖉 🕅 🗮 🛤	🖳 🐘 🗦 🛤 🚑			179 a 📀	🖉 Max.:	•	;; .
	12 2 3 4 4 4 4 4	n 🛛 🖓 🎭	🐯 👘 -								
	Navigation 🖓	× 🛃 Module Pa	ameter Ethernet Port $ imes$						d Þ 👻 Ele	ment Selection	ч×
		Setting Item L	st	Setting Item					(Fi	nd POU)	
	Project				tem		Setting		1	▲ 僧 ☆	
	Module Configuration			Own Node Set	tings				D	isplay Target:	Al
	FB/FUN			IP Address		192,168,0,50	1				
	🖬 🏥 Label	🕞 💽 Basic	Settings	Subnet Ma	sk	255, 255, 255, 0)				
	E Contracter	E C C C C C C C C C C C C C C C C C C C	wn Node Settings «ternal Device Configurat	Default Gat	eway	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1					
	System Parameter	🗴 👸 Appli	cation Settings	Communicati External Devic	on Data Code	Binary					
	E 🛃 FX5UCPU			External De	vice Configuration	<detailed setting=""></detailed>					
	CPU Parameter Module Parameter				-						
	Ethernet Port										
	485 Serial Port								PC	DU Favo	Hist Mod
	High Speed I/O Input Response Time								Inp	ut the Configu	ration Det 🗜 ×
	Analog Input										
	🕐 Analog Output										
	Extended Board			Explanation							
	Module Information			Set external device	is to be used for cor	nmunications,			~		
	🙀 Remote Password										
									-		
			m •	Check	Restore t	ne Default Settings					
		Item List	iu riesuic								
								Apply			
		Progress									φ×
											^
			Progress								Ψ.
	l		Frogress		EX5U	Host-192 168 3	250				
			I		17,50	11057 152.100.5					
rnet Config	guration (Built-in Ethernet Port)	- Black Lating		nat Wash	m.m.m. 1						
net Config	uration Edit View Close with Discarding the	Setting Close with Refle	cting the Setting								
											Module List
										E	thernet Selection Find Module
No.	Model Name Communication	Fixed Buffer Protocol Send/Receiv	PLC			Sensor/Device			Default	Existence	Ethernet Device (General)
-	Hort Station	e Setting	IP Address Port No.	MAC Address	Host Name	IP Address	Port No. Su	bnet Mask G	Gateway	or mattern	SI MP Connection Medule
2 1	SLMP Connection Module SLMP	TCP	192.168.0.50 1025				-		Keej	pAlive	CONTRACTOR PODDIE
								Drec	مرام رو		Active Connection Module - Unpassive Connection Mo -
								Drag	a aro	P	Fulpassive Connection Mc -
	Connection										COGNEX Vision System
	NO. 1									E	Ethernet Device (Panasonic) Laser Displacement Senso
Station rected Co											
	SLMP										
	SLMP Co									[0	Outline] MR Connection Module
	Module									[5	Specification] se when specify open method hy

Drag & drop the SLMP Connection Module in the Module List on the left side of the screen. Set the protocol item (TCP or UDP) and the port no. (Port no. setting range: 1025~4999, 5010~65534)

X After closing the Ethernet Configuration (Built-in Ethernet Port) window, press Apply button.

Step 3. Download the [Online] \rightarrow [Write to PLC] execution program and reset.

🖧 Eth



※ Remote Password (Optional)

(1) Navigation window \rightarrow [Parameter] \rightarrow [Remote Password]

MELSOFT GX Works3 (Untitled Project)		
Eroject Edit Find/Replace Convert View	<u>Online Debug Diagnostics T</u> ool <u>W</u> indow <u>H</u> elp	
i 🗅 🖻 🖶 🥥 👘 🔡 👘	[1] Ino 에 🦉 🖼 💷 🚚 🦉 🧱 🔣 🔜 🔛 📮 🚅 🔊 및 및 등) 단 O	· · · ·
1 E E E A R 3 - 1 E Z 2	% 🐨 - that _	
Navigation 9 × Navigation 9 × Project Project Module Configuration Program FE/FUN CUU Parameter System Parameter System Parameter Module Information Module Information Module Information Module Information Module Information Module Information Module Information	Remote Password Setting Password No. Product Name Image: Image	Element Selection (Find POU) M M C I I I I I I Display Target: Al POU Favo Hist Mod Input the Configuration Det 9 ×
	Host-192.168.3.250	

2 Set the password.





(3) Select a module to apply the password to.

MELSOFT GX Works3 (Untitled Project)		
	<u>Online</u> De <u>b</u> ug <u>D</u> iagnostics <u>T</u> ool <u>W</u> indow <u>H</u> elp	
i 🗅 🖻 💾 🎒 💿 👘 谋 🕅	3 🖺 🗠 에 🖙 🖙 🖙 🖉 📆 했 있 있 🐘 🐘 🖉 🦊 🖗 👂 있 및 특히 🕀 Q. 👘 👘 🖬 🖉 🥝 Max:	¹²
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	EX5U Host-192 168 3 250	
	FX50 H050-192.108.5.250	

(4) Select the connection to apply the password to in the Remote Password Detail Setting window.

MELSOFT GX Works3 (Untitled Project)		
Project Edit Eind/Replace Convert View Online Debug Diag	nostics <u>T</u> ool <u>W</u> indow <u>H</u> elp	
D 🔁 💾 🕘 💿 👘 🖓 👯 🙀	2 	🙄 🗄 📆 🖬 🥥 🐼 Max.: 🔹
🔁 🗉 📼 🏦 🖬 🖼 📽 🐨 🚱 🏷 🗞 🕲 🛊 🚛	Remote Password Detail Setting	×
Navigation # × Project Emote Password Set Emodule Configuration Emote Password Set If Label Program If C Label Password If C Label Program If C Password Password If C Password Program If C Password Program If C Password If C PU Module Module Information 3 If Remote Password B Remote Password Set the password Progress Progress	Select the connection to enable. Serial Communication Serial Communication CH Valid Setting Inable All CH No. CH (Bullt-In 485 Port) CH (Communication Adapter No. 1) CH 2000 CH (Communication Adapter No. 2) Bullt-In Ethernet User Connection No. Valid Setting Connection No. 1 Connection No. 3 Connection No. 4 Connection No. 5 System Connection No. 4 Connection No. 5 OK Cancel	Element Selection Find POU Find POU Find POU Favo. Hist. Mod Input the Configuration Det.
	FX50 Host-192.168.3.250	CAP NUM



5. Supported addresses

The devices available in TOP are as follows:

The device range (address) may differ depending on the CPU module series/type. The TOP series supports the maximum address range used by the external device series. Please refer to each CPU module user manual and be take caution to not deviate from the address range supported by the device you want to use.

Address		Bit	Word	Remarks
Input Relay		X0000 – X1777	X0000 – X1760	
Output Relay		Y0000 - Y1777	Y0000 - Y1760	
Internal Relay		M0000 – M7679	M0000 – M7664	
Special Relay		SM0000 – SM9999	SM0000 – SM9984	
Latch Relay		L0000 - L7679	L0000 - L7664	
Annunciator		F000 – F127	F000 – F112	
Step Relay		S0000 – S4095	S0000 - S4080	
Link Relay		B000 - B0FF (HEX)	B000 - B0F0 (HEX)	
Special Link Relay		SB000 - SB0FF (HEX)	SB000 - SB0F0 (HEX)	
	Contact	TS000 – TS511		
Timer	Coil	TC000 - TC511		
	Current		TN000 - TN511	
Aggregate Timer	Contact	SS000 – SS015		
Aggregate filmer	Current		SN000 – SN015	
	Contact	CS000 - CS255		
Counter	Coil	CC000 - CC255		
	Current		CN000 – CN255	
Data Register		D0000.00 - D7999.15	D0000 – D7999	
Special Data Register		SD00000.00-SD11999.15	SD00000 – SD11999	
Link Register		W000.00~W1FF.15	W000~W1FF	
File Registers		R00000.00~R32767.15	R00000~R32767	
Link Special Register		SW000.00~SW1FF.15	SW000~SW1FF.	