MITSUBISHI Electric Corporation MELSEC iQ-R Series

Ethernet Driver

Supported version TOP Design Studio V1.4.11.28 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".

1. System configuration

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

2. External device selection Page 3

Select a TOP model and an external device.

3. TOP communication setting Page 4

Describes how to set the TOP communication.

4. External device setting Page 9

Describes how to set up communication for external devices.

5. Supported addresses

Page 11

Page 2

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-R Ethernet" is as follows.

Series	СРИ	Link I/F	Communication method	Communication setting	Cable
MELSEC iQ-R	R00CPU R01CPU R02CPU R04CPU R08CPU R16CPU R32CPU R120CPU R04ENCPU R08ENCPU R16ENCPU R32ENCPU R120ENCPU R120ENCPU R120PCPU R120PCPU R120PCPU R120PCPU R120SFCPU R120SFCPU R120SFCPU R120SFCPU R120PSFCPU R120PSFCPU R120PSFCPU	Ethernet Port on CPU Unit	Ethernet (TCP/UDP)	<u>3. TOP</u> <u>communication</u> <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







2. External device selection

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

PLC select [Ethe	rnet]					
Filter : [ΔI]		\sim		Search ·		
Lucer [[ful]				. search .	Model	(Vendor
Vendor	Mod	lel				
M2I Corporation	- ^ 8	MELSEC	Q Series			
MITSUBISHI Electric Corpora	tion	MELSEC	FX Series			
OMRON Industrial Automatio	n 🧭	MELSEC	AnN/AnS Series			
LS Industrial Systems		MELCEC	An A /An I Forion			
MODBUS Organization		MELSEC	AIIA/AIIO Selles			
SIEMENS AG.		MELSEC	iQ-R Series			
Rockwell Automation		MELSEC	iQ-F Series			
GE Fanuc Automation						
PANASONIC Electric Works						
YASKAWA Electric Corporatio	n					
YOKOGAWA Electric Corpora	tion					
Schneider Electric Industries						
KDT Systems						
RS Automation	~					
			4 - i	1		
PLC Setting[MELSEC i	Q-R Series]					
Alias Name : PLC	1		Bind IP : Auto	\sim		
Alias Name:PLC Interface:Eth	01 hernet	~	Bind IP : Auto	~		
Alias Name: PLC Interface: Eth Protocol: SLT	nernet MP 3E Binary	~	Bind IP : Auto	~	Comr	n Manual
Alias Name : PLC Interface : Ett Protocol : SLI String Save Mode : Firs	C1 hernet MP 3E Binary st LH HL	✓ ✓ Change	Bind IP : Auto	~	Comr	n Manual
Alias Name : PLC Interface : Ett Protocol : SLI String Save Mode : Fire	1 nernet MP 3E Binary st LH HL	✓✓Change	Bind IP : Auto	~	Comr	n Manual
Alias Name : PLC Interface : Ett Protocol : GLI String Save Mode : Firs Use Redundancy Operate Condition : AND	C1 mernet MP 3E Binary st LH HL	∨ ∨ Change	Bind IP : Auto	Y	Comr	n Manual
Alias Name : Pic Interface : Ett Protocol : SU String Save Mode : Fire Use Redundance Operate Condition : AND Change Condition : T	C1 hernet MP 3E Binary st LH HL COUL EOUT 5	Change	Bind IP : Auto	~	Comr	m Manual
Alias Name : Pic Interface : Ett Protocol : Su String Save Mode : Fire Use Redundancy Operate Condition : AND Change Condition : Tim Con	1 Hernet HP 3E Binary st LH HL Control St LH HL HL Control St LH HL Control St LH HL Contro	Change	Bind IP : Auto	×	Comr	n Manual
Alias Name : Pic Interface : Ett Protocol : Su String Save Mode : Firs Operate Condition : AND Change Condition : Tim Cor Primary Option	C1 ernet ern	Change	d)	×	Comr	n Manual
Alias Name : Pic Interface : Ett Protocol : Su String Save Mode : Firs Operate Condition : AND Change Condition : Tim Con Primary Option IP 19	21 mernet MP 3E Binary tit LH HL south 5 dition 5 dition 168 K	Change	 Bind IP : Auto d) 50 (\$) 	>	Comr	n Manual
Alias Name : Pic Interface : Ett Protocol : SU String Save Mode : First Operate Condition : AND Change Condition : Tim Conge Condition : Con Primary Option IP 19 Ethernet Protocol TC	21 MP 3E Binary HP 3E Binary HP 3E Binary eOut 5 dition 5 168 2 P ~	Change	d)	>	Comr	n Manual
Alias Name : Pic Interface : Ett Protocol : SU String Save Mode : Firs Use Redundance Operate Condition : AND Change Condition : Tim Con Primary Option IP 19 Ethernet Protocol TC Port 10	2 1 1 4 7 2 8 Inary 4 7 3 8 Inary 4 7 3 8 Inary 4 7 3 8 Inary 4 7 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	Change	d) 50	×	Comr	n Manual
Alias Name : Pic Interface : Ett Protocol : SU String Save Mode : Fire Use Redundancy Operate Conditon : AND Change Conditon : Tim Con Primary Option IP 19 Ethernet Protocol TC Port 10 Timeout 10	2 Cl 168 C	Change	d)	×	Comr	n Manual
Alias Name : Pic Interface : Ett Protocol : SU String Save Mode : Firs Operate Condition : AND Change Condition : Tim Primary Option IP 19 Ethernet Protocol TC Port 10 Timeout 10 Send Wait 0	2	Change	Bind IP : Auto	×	Comr	n Manual
Alias Name : Pic Interface : Ett Protocol : Su String Save Mode : Firs Operate Condition : AND Change Condition : Tim Con Primary Option IP 19 Ethernet Protocol TC Port 10 Timeout 10 Send Wait 0 Password Ur	11 Hernet H ² 3E Binary H ² 3E Binary SOut SOUT SOU	Change	d)	×	Comr	n Manual
Alias Name : Pic Interface : Ett Protocol : Su String Save Mode : Firs Operate Condition : AND Change Condition : Tim Com Primary Option IP 19 Ethernet Protocol Trc Port 10 Send Wait 0 Password In	2	Change	d)	×	Com	n Manual
Alias Name : Pic Interface : Ett Protocol : SL String Save Mode : First Operate Condition : AND Change Condition : Tim Change Condition : Tim Change Condition : Tim Change Condition : Tim Ethernet Protocol Port 10 Timeout 10 Send Wait 0 Password Ur	2	Change	d)	×	Com	n Manual
Alias Name : Pic Interface : Et Protocol : SU String Save Mode : Fire Operate Condition : AND Change Condition : Tim Conge Condition : Tim Change Condition : Ti	2 C 14	Change	Bind IP : Auto	×	Comr	n Manual

Settings			Contents	
ТОР	Model	Check the TOP display and process 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".		
	PLC	Select the external device to be connected to the TOP.		
		Model	Interface	Protocol
		MELSEC IQ-R Series	Ethernet	Set Users
		Supported Protocol		
		SLMP 3E Binary	SLMP 3E Ascii	MELSOFT Connection
	Please check the system configuration in Chapter 1 to see if the extern connect is a model whose system can be configured.		the external device you want to	



3. TOP communication setting

The communication can be set in TOP Design Studio or 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.



Items	ТОР	External device	Remarks
IP Address*Note 1) Note 2)	192.168.0.100	192.168.0.50	
Subnet Mask	255.255.255.0	255.255.255.0	
Gateway	192.168.0.1	192.168.0.1	

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

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

* The above settings are examples recommended by the company.

Items	Description
IP Address	Set an IP address to be used by the TOP to use over the network.
Subnet Mask	Enter the subnet mask of the network.
Gateway	Enter the gateway of the network.



(2) Communication option setting

- [Project > Project properties > PLC setting > ETHERNET > "PLC1 : MELSEC-IQ-R Series"]
 - Set the options of the communication driver of MELSEC IQ-R Series Ethernet in TOP Design Studio.

Change HMI[H] Change PLC[C] X Delete PLC[D]		
Change HM[E] Add PLC [] Change PLC[] C Delete PLC[D] Change HM[E] Add PLC [] PLESEC iQ-R Series] Cotion Module Setting Change KM[E] Change PLESETING Coti (0) Cotion Coti (0) Coti (Co	mm Manual
	Apply	Close

Items	Settings Remarks	
Interface	Select "Ethernet".	Refer to "2. External
Protocol	Select a communication protocol between TOP and the external device.	device selection".
IP	Enter the IP address of the external device.	
Ethernet Protocol	Select an Ethernet protocol between TOP and the external device.	
Port	Enter the Ethernet communication port number of an external device.	Reference the
		table below
TimeOut (ms)	Set the time for the TOP 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 command request.	
Password	Enter the password set in the external device.	*Note 1)

*Note 1) It can be set only in SLMP 3E Protocol.

MELSOFT Connection communication port number

Protocol	Port number	Remarks
ТСР	5007	Fixed
UDP	5006	Fixed

SLMP 3E Binary, Ascii communication port number

Protocol	Port number	Remarks
TCP / UDP	1025 ~ 65535	



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 <u>drag</u> it down. Touch "EXIT" in the pop-up window to go to the main screen.



(1) Communication interface setting

■ [Control Panel] → [Ethernet]

	Ö	🚡 Ethernet 🗙 🗙
Run	🔯 System	Port Ethernet Port : ETH1 • 0 • Detion
MC	PLC Se	Link Speed : Auto MAC Address : 00:15:1D:05:38:C5 IP Address : 192.168.0.100 Sound
VNC Viewer	Ethernet	Subnet Mask : 255.255.255.0 Gateway : 192.168.0.1 Befault Gateway DNS (1) :
Screen	heffi nd	DNS (2) : Ethernet Primary IP : 192.168.0.100
	Diagnostic	Cable Status : ETH1 Connected Bridge Mode : Use Bridge
	[System]	Check duplicate Apply Cancel Close

Items	ТОР	External device	Remarks
IP Address*Note 1) Note 2)	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	

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

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

* The above settings are examples recommended by the company.

Items	Description
IP Address	Set an IP address to be used by the TOP to use over the network.
Subnet Mask	Enter the subnet mask of the network.
Gateway	Enter the gateway of the network.



(2) Communication option setting

 $\blacksquare [Control Panel] \rightarrow [PLC]$



Items	Settings	Remarks
Interface	Select "Ethernet".	Refer to "2. External
Protocol	Select a communication protocol between TOP and the external device.	device selection".
IP	Enter the IP address of the external device.	
Ethernet Protocol	Select an Ethernet protocol between TOP and the external device.	
Port	Enter the Ethernet communication port number of an external device.	Reference the
		table below
TimeOut (ms)	Set the time for the TOP 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 command request.	
Password	Enter the password set in the external device.	*Note 1)

*Note 1) It can be set only in SLMP 3E Protocol.

MELSOFT Connection communication port number

Protocol	Port number	Remarks
ТСР	5007	Fixed
UDP	5006	Fixed

SLMP 3E Binary, Ascii communication port number

Protocol	Port number	Remarks
TCP / UDP	1025 ~ 65535	



3.3 Communication diagnostics

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

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

- The Diagnostics dialog box pops up on the screen and determines the diagnostic status.

ОК	Communication setting normal
Time Out Error	Communication setting abnormal
	- Check the cable, TOP, and external device setting status. (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	Conte	ents	Check		Remarks		
System	How to connect the system			NG	1 Custom configuration		
configuration	Connection cable name	9	OK	NG	1. System configuration		
ТОР	Version information		OK	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	OK	NG			
External device	CPU name		OK	NG			
	Communication port n	ame (module name)	OK	NG			
	Protocol (mode)		OK	NG			
	Setup Prefix		OK	NG	4 External device cotting		
	Other detailed settings		OK	NG	4. External device setting		
	Ethernet port setting	IP Address	OK	NG			
		Subnet Mask	OK	NG			
		Gateway	OK	NG			
	Check address range		ОК	NG	<u>5. Supported addresses</u> (For details, please refer to the PLC vendor's manual.)		



4. External device setting

4.1 GX Works3 Connection Settings

Set as below using MELSEC Series Ladder Software "**GX Works3**". For more detailed setting method than that described in this example, refer to the PLC user manual.



4.1.1 Ethernet Port on CPU Unit

Step 1. In [GX Works3] software project window [Parameter] – [relevant CPU model name] double-click and bring up [Module parameter] pop-up window







R08CPU Module Parameter		2
Setting Item List	Setting Item	
Input the Setting Item to Search	Item Own Node Settings Parameter Setting Method I P Address	Setting Parameter Editor
Basic Settings Own Node Settings C-Luk IEF Basic Settings C-Luk IEF Casic Settings External Device Configuration Application Settings	IP Address Subnet Mask Default Gateway Communications by Network No./Station No, Setting Method Network No. Station No, Enable/Disable Online Change Communication Data Code Opening Method CC-Link/EF Basic Sattinge To Use or Not to Use CC-Link IEF Basic Setting Network Configuration Settings Refresh Settings External Device Configuration External Device Configuration Set external devices to be used for communications,	192, 168, 0, 50 225, 225, 225, 0 192, 168, 0, 1 Disable Use IP Address Disable All (SLMP) Binary Do Not Open by Program Disable (Obtailed Setting) (Detailed Setting)
Item List Find Result	Chec <u>k</u> Restore the Defa <u>u</u> lt Settings	s
		Apply

Items		Settings			
IP address	IP	MELSEC-iQ-R CPU Ethernet Port Assignment IP			
	Subnet mask pattern	Set when using subnet mask			
	Default router IP	Set when using router			
Enable/Disable Online Change		When using SLMP 3E Protocol, Enable All (SLMP)			
		When using MELSOFT Connection, Disable All (SLMP)			
Communicatio	on data code	When using SLMP 3E Binaray, Binaray			
		When using SLMP 3E Ascii, Ascii			
		When using MELSOFT Connection, Binaray			

Step 3. Click [External Device Configuration] > [Detailed Setting].

When using MELSOFT Connection

Select Ethernet Device (General) -> MELSOFT Connection Module on the right, and drag and add to the right.

8	therne	et Conf	iguration (Built-in Ethernet F	Port)							- 0	×
: Eth	er <u>n</u> et	Config	uration <u>E</u> dit <u>V</u> iew Close	e with Disc <u>a</u> rding t	he Setting	Close with <u>R</u> eflectin	ig the Setting					
	Data di Nazi									Module List		×
		U	elect now							Ethernet Selection	Find Module	My₫►
				Communication		Fixed Buffer	P	LC	Sensor/Device		★ 哈×	
		No.	Model Name	Method	Protocol	Send/Receive Setting	IP Address	Port No.	MAC Address	Ethernet Devic	ce (General)	le -
	-		Host Station				192.168.0.50			SLMP Conne	ction Module	-
	HEL	1	MELSOFT Connection Mod	MELSOFT Connec	ТСР		192.168.0.50			UDP Connect	ion Module	-
										OPS Connect	ion Module	-
										Unpassive Co	onnection Modu	le -
										Fullpassive C	onnection Mod	uli -
										MODBUS/TC	P Connection M	0(-
										GOT2000Ser	ies	Electric
_									,	E Servo Ampli	fier(MELSERV	0- <mark>34 S</mark> e
			Connection No.1							Ethernet Device	e (COGNEX)	
										COGNEX Visit	on System	Induct
Co	nect	cion ed Cou								Laser Displa	cement Sense	or
nt:	1		MEL									
			_									
			MELSOFT							[Outline] MELSOFT Connection	n Module	^
			Connectio							[Specification]		
			<						>	MELSOFT connection	pen method by n	~
Out	put											×
·		_										



When using SLMP 3E Protocol

Select Ethernet Device (General) -> SLMP Connection Module on the right, and drag and add to the right.

C), E	therne	et Con	figuration (Built-in Ethernet P	Port)						— 🗆 X
: Eth	er <u>n</u> et	Config	juration <u>E</u> dit <u>V</u> iew Close	e with Disc <u>a</u> rding t	he Setting	Close with <u>R</u> eflectin	ig the Setting			
		D	etect Now		Module List ×					
										Ethernet Selection Find Module My 4
		No	Model Name	Communication	Drotocol	Fixed Buffer	P	LC	or/D	Ethornot Davice (Conora)
		NO.	Model Name	Method	PIOLOCOI	Setting	IP Address	Port No.	MAC idre	MELSOFT Connection Module -
T	s	4	Host Station	CLND	TOD		192.168.0.50	1025	-	SLMP Connection Module
		1	SLMP Connection Module	SLMP	I ICP		192.168.0.50	1025		UDP Connection Module -
										Active Connection Module -
										Unpassive Connection Module -
										EP Fullpassive Connection Module -
										MODBUS/TCP Connection Moc -
										Ethernet Device (Mitsubishi Electric GOT2000Series
	<								>	Servo Amplifier(MELSERVO-J4 Se
			Connection							Ethernet Device (COGNEX)
			110.1						_	COGNEX Vision System
Hos	t Sta	tion ed Cou								Ethernet Device (Panasonic Indust
nt:	1	eu cou	SLMP							Laser Displacement Sensor
										[Outline]
			SLMP Con							SLMP Connection Module
			odule							Use when specify open method by SLMP
			<						>	J
Out	out	_								×

Items	Description
Protocol	TCP or UDP
PLC Port No	1025 ~ 65535

Step 4 Download the [Online] \rightarrow [Write to PLC] execution program and reset.



x

4.1.2 Ethernet Link Uint (RJ71EN71)

Step 1. Pop-up the [Module Information] – [Module parameter] window in the [GX Works3] software's project window.



Step 2. In [Module parameter], select [Basic Settings] tab and set as follows:

0000:RJ71EN71(E+E) Module Parameter

Setting Item List		Setting Item			
Input the Setting Iters to	a Saarab	Item		Setting	
Input the Setting Kenn to		😑 Own Node Settings			
		Parameter Setting Method	Pa	rameter Editor	
		IP Address			
Basic Settings	Cottingo	IP Address	19	. 168, 0, 50	
External De	vice Configuration	Subnet Mask	25	, 255 , 255 , 0	
🗄 🚡 Application Set	ttings	Default Gateway	19	2, 168, 0, 1	
		Communications by Network No./	/Station No, Dis	able	
		Setting Method	Us	e IP Address	
		Network No.			
		Station No,	N- 0		
		Eachle (Dischle Opling Change	NO, U		
		Communication Data Code	Eli	able All (SLMP)	
		Opening Method	Do	Not Open by Program	
		External Device Configuration		Not open by Hogian	
		External Device Configuration	<d< td=""><td>etailed Setting></td><td></td></d<>	etailed Setting>	
		Evolopation			
ton List Find Besult		Chec <u>k</u> Restore tr	he Defa <u>u</u> lt Settings		~
					Apply
ltems				Settings	
IP address	IP			MELSEC-iQ-R CPU Etherne	t Port Assi <u>c</u>
_	Subnet mask p	attern		Set when using subnet ma	isk
	Default router	IP		Set when using router	
Enable/Disable C	Online Change			When using SLMP 3E Prot	ocol, Enable
				When using MELSOFT Cor	nection, Di
Communication	data code			When using SLMP 3E Bina	ray, Binaray
				When using SLMP 3E Asci	i, Ascii
				When using MELSOFT Con	naction D:
				when using MELSOFT CO	mection, BI



Step 3. Click [External Device Configuration] > [Detailed Setting].

When using MELSOFT Connection

Select Ethernet Device (General) -> MELSOFT Connection Module on the right, and drag and add to the right.

8	Etherne	t Conf	figuration (Start I/O: 0000)										×
i Etł	ner <u>n</u> et (Config	uration <u>E</u> dit <u>V</u> iew Close	e with Disc <u>a</u> rding t	he Setting	Close with <u>R</u> eflectir	ig the Setting						
										Module List Ethernet Selection	Find Mod	lule M	× ly ∢ ►
				Communication		Fixed Buffer	P	LC	or/D		<u>☆ 🖻 ×</u>		
		No.	Model Name	Method	Protocol	Send/Receive Setting	IP Address	Port No.	MAC Idre	Ethernet Devi MELSOFT C	ce (Gener onnection I	ral) Module	-
	-		Host Station				192.168.0.50			SLMP Conne	ction Mod	ule	- 1
	뽀	1	MELSOFT Connection Mod	MELSOFT Connec	ТСР		192.168.0.50			UDP Connec	tion Modul	e	-
										OPS Connec	tion Modul	e	-
										Active Conne	action Mod	ule	-
										Unpassive C	onnection	Module	<u>-</u>
										Fullpassive (Connection	Modul	-
										MODBUS/TC	P Connect	ion Mo	(-
										Ethernet Devi	ce (Mitsu	DISNI E	Iectrk
	<								>		on System	EA)	
			Connection							E Ethernet Devi	ce (Pana	sonic I	indust
			No.1							I Laser Displa	icement §	Sensor	
Ho Co nt	ost Stat nnecte :1	cion ed Cou											
			MELSOFT							[Outline] MELSOFT Connect	ion Module		^
			Connectio							[Specification]	on module		
			n Module							Use when specify o	pen metho	od by	
			<						>	MELSOFI connection	on		~
Ou	tput	_			_				_			_	×



When using SLMP 3E Protocol

Select Ethernet Device (General) -> SLMP Connection Module on the right, and drag and add to the right.

🔒 E	therne	et Con	iguration (Start I/O: 0000)								—		×
Ethernet Configuration Edit View Close with Discarding the Setting Close with Reflecting the Setting													
							Module List			×			
										Ethernet Selection	Find Modu	le My	y
	S					Fixed Buffer	PLC		or/D	🔁 94 🛅 🖽 🏅	× 🖻 🗙		
•		No.	Model Name Host Station	Method	Protocol	Send/Receive Setting	IP Address	Port No.	MAC	Ethernet Devic	e (Genera	al)	
							192.168.0.50)	luie	SI MP Conner	nnection M tion Modul	odule e	ī
			SLMP Connection Module	SLMP	тср		192.168.0.50	1025		UDP Connect	ion Module	C .	-
						-				OPS Connect	ion Module		-
										Active Conne	ction Modu	le	-
										Unpassive Co	nnection M	lodule	-
										Fullpassive C	onnection I	Module	-
										MODBUS/TC	^o Connectio	n Moc	-
										Ethernet Devic		ISHI EI V)	ectra
	<								>		n System	~)	
		Connection						Ethernet Devic	e (Panaso	onic Ir	ndust		
			No.1								cement Se	ensor	
Ho	st Sta	tion											
Cor	nect	ed Cou											
inc.	1		SLIIP										
										<u> </u>			
										[Outline]			
			SLMP Con nection M							SLMP Connection M	odule		
			odule							Use when specify o	pen method	l by Sl	LMP
			<						>	J			
Out	put											_	×

Items	Description
Protocol	TCP or UDP
PLC Port No	1025 ~ 65535

Step 4 Download the [Online] \rightarrow [Write to PLC] execution program and reset.



% Remote Password (Optional) Only available for SLMP 3E Procotol

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

MELSOFT GX Works3 (Untitled Project)		
	2nline De <u>b</u> ug <u>D</u> iagnostics <u>T</u> ool <u>W</u> indow <u>H</u> elp	
i 🗅 😂 💾 🎒 🥥 👘 📜 🚼 🖻 🛛	16 16 에 백 백 백 부 두 종 종 등 등 등 등 등 후 주 등 등 등 순 이 🦷 🕴 🖬 🖉 🖉 Ma	x.: 👻
1 E E E E M R W- W B V	% <mark>% 1 * * -</mark>	
Navigation 7 ×		Element Selection 🛛 📮 🗙
		(Find POU)
Project		●● ● ● ● ● ● ●
Module Configuration		Display Target: All 🗸
🗉 🐛 Program	Remote Password Setting	
😴 FB/FUN		
	Password	
= 😥 Parameter		
🔹 System Parameter	No Product Name Intelligent Module No Module Conditions	
🖬 🛃 FX5UCPU		
CPU Parameter	2	
Memory Card Paramet	3	
Module Information	4	POU Favo Hist Mod
Remote Password	5	Input the Configuration Det
		Input the configuration Det + H
	Remote Password Setting	
	Set the password which authenticated the access (connection) from external devices,	
	Required Settings (Not Set / Already Set)	
Drawn		
Progress		т ^ А
		*
- Output	📰 Progress	
	FX5U Host-192.168.3.250	CAP NUM

2 Set the password.





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

MELSOFT GX Works3 (Untitled Project)		
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(4) Select a connection to apply the password to in the Remote Password Detail Setting window.



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.

Device		Bit Address	Word Address	Remarks
Input Relay		X0000 ~ X3FFF _(HEX)	X0000 ~ X3FF0 _(HEX)	
Output Relay		Y0000 ~ Y3FFF _(HEX)	Y0000 ~ Y3FF0 _(HEX)	
Internal Relay		M0 ~ M99999999	M0 ~ M99999984	
Link Relay		B0 ~ B9A61FFF _(HEX)	B0 ~ B9A61FF0 _(HFX)	
Special Link Rela	IV	SB0 ~ SB9A61FFF(HEX)	SB0 ~ SB9A61FF0(HEX)	
Annunciator	,	F0 ~ F32767	F0 ~ F32752	
Edge Relay		V0 ~ V32767	V0 ~ V32752	
	Contact	TS0 ~ TS 8993439		
Timer	Coil	TC0 ~ TC 8993439		
	Current		TN ~ TN 8993439	
	Contact	SSD ~ SS 8993439		
Aggregate Timor	Coil	SC0 ~ SC 8003430		
Aggregate Timer	Current	300 - 30 0993439	SN -, SN 9002420	
	Current	CC0 CC 8002420	311 ~ 311 0393439	
	Contact	CS0 ~ CS 8993439		
Counter	Coll	CC0 ~ CC 8993439		
	Current		CN0 ~ CN8993439	
·	Contact	LISU~LIS 2529407		*Note *Note 2)
Long Timer	Current	LIC0 ~ LIC 2529407	LTN ~ LTN 2520407	*Note *Note 2)
Long	Contact	1 550 ~1 55 2529407	LIN ~ LIN 2029407	*Note *Note 2)
Long	Coil	LSC0 ~ LSC 2529407		*Note *Note 2)
Timer	Current	2300 2323407	LSN ~ LSN 2529407	*Note 2)
	Contact	LCS0 ~ LCS 4761215		*Note 2)
Long Counter	Coil	LCC0 ~ LCC 4761215		*Note 2)
g	Current		LCN0 ~ LCN 4761215	*Note 2)
Data Register		D0.00 ~ D10117631.15	D0 ~ D10117631	
Link Register		W0.00 ~ W9A61FF.15(HEX)	W0 ~ W9A61FF(HEX)	
Link Special Regi	ister	SW0.00 ~ SW9A61FF.15(HEX)	SW0 ~ SW9A61FF(HEX)	
Latch Relay		L0 ~ L32767	L0 ~ L32752	
Special Relay		SM0 ~ SM4095	SM0 ~ SM4080	
Special Data Reg	nister	SD0 00 ~ SD4095 15	SD0 ~ SD4095	
Index Register	Jister	70.00 ~ 723.15	70~723	*Note 2)
Long Index Register	ster	70.00 ~ 711.31	70 ~ 711	*Note 2)
File Register		R0.00 ~ R32767.15	R0 ~ R32767	*Note 2)
Extension File Register		ZR0.00 ~ ZR10027007.15	ZR0 ~ ZR10027007	*Note 2)
Link Direct Input		JX 001-0000 ~ JX 255-3FFF _(HEX)	JX 001-0000 ~ JX 255-3FF0 _(HEX)	*Note 2)
Link Direct Outp	ut	JY 001-0000 ~ JY 255-3FFF _(HEX)	JY 001-0000 ~ JY 255-3FF0 _(HEX)	*Note 2)
Link Direct Relay	,	JB 001-0000 ~ JB 255-7FFF _(HEX)	JB 001-0000 ~ JB 255-7FF0 _(HEX)	*Note 2)
Link Direct Speci	ial Relay	JSB 001-0000 ~ JSB 255-1FF _(HEX)	JSB 001-0000 ~ JSB 255-1F0 _(HEX)	*Note 2)
Link Direct Regis	ter	JW 001-0000.00 ~ JW 255-1FFFF.15 _(HEX)	JW 001-0000 ~ JW 255-1FFFF _(HEX)	*Note 2)
Link Direct Speci	ial Register	JSW 001-0000.00 ~ JSW 255-1FF.15 _(HEX)	JSW 001-0000 ~ JW 255-1FFFF _(HEX)	*Note 2)
Module Access [Device	UG 000-00000000.00 ~ UG 255-99999999.15	UG 000-00000000 ~ UG 255-999999999	*Note 2)
CPU Buffer Mem Access Device	nory	U3E0G 00000000.00 ~ U3E3G 99999999.15	U3E0G 00000000 ~ U3E3G 99999999	*Note 2)
CPU Buffer Memory Fixed Scanned Communications Area		U3E0HG 00000.00 ~ U3E3HG 12287.15	U3E0HG 00000 ~ U3E3HG 12287	*Note 2)

*Note 1) For SLMP 3E Protocol, only Read is possible.

*Note 2) It is a device that can be available only when it is set separately in the GX Works3 program. Refer to the PLC manual.