GE Fanuc Automation

Series 90-30/70

Ethernet Driver

Supported version TOP Design Studio V1.0 or higher



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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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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 "GE Fanuc Intelligent Platforms, Inc. – Series 90-30/70 PLC, PACSystems RX3i/7i Series" is as follows.

Series	CPU	Link I/F	Communication method	System setting	Cable	
	IC693CPU311		method			
	IC693CPU313					
	IC693CPU323					
	IC693CPU331					
	IC693CPU340					
	IC693CPU341					
	IC693CPU350					
	IC693CPU351		Ethernet	3. TOP communication setting	Twisted pair	
Series	IC693CPU352	IC693CMM321	(TCP)	4.1. External device setting 1	cable*Note 1)	
90-30	IC693CPU360					
	IC693CPU363					
	IC693CSE311					
	IC693CSE313					
	IC693CSE323					
	IC693CSE331					
	IC693CSE340					
	IC693CPU364	Ethernet interface	Ethernet	3. TOP communication setting	Twisted pair	
	IC693CPU374	on CPU unit	(TCP)	4.2. External device setting 2	cable*Note 1)	
	IC697CPU731					
	IC697CPU771					
	IC697CPU772				Twisted pair cable*Note 1)	
	IC697CPU780					
	IC697CPU781		Ethernet (TCP)			
	IC697CPU782					
	IC697CPU788			<u>3. TOP communication setting</u> <u>4.1. External device setting 1</u>		
	IC697CPU789					
	IC697CPM790					
Series	IC697CPM915	IC697CMM742				
90-70	IC697CPM925	(Type2)				
	IC697CSE784					
	IC697CSE924					
	IC697CSE925					
	IC697CPX772					
	IC697CPX782					
	IC697CPX928					
	IC697CPX935					
	IC697CGR772					
	IC697CGR935					
			Ethernet	3. TOP communication setting	Twisted pair	
KX3I		IC695ETMUUT	(TCP)	4.3 External device setting 3	cable*Note 1)	
דעם:		Ethernet interface	Ethernet	3. TOP communication setting	Twisted pair	
KX/I		on CPU	(TCP)	4.4. External device setting 4	cable*Note 1)	
	1C030CRL040	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 (one TOP and one external device) connection



• 1:N connection (one TOP and multiple external devices) connection





2. External device selection

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

PLC select [E	thernet]				
Filter : [All]			*	Search :	
				Mo	del 🔘 Vendor
Vendor M3I Corporation		Model			
		S 🖓	eries90-30/70		
MITSOBISHI Electric Co					
OMRON Industrial Auto	mation				
LS Industrial Systems					
MODBUS Organization					
SIEMENS AG.					
Rockwell Automation					
GE Fanuc Automation					
PANASONIC Electric We	orks				
YASKAWA Electric Corp	oration				
YOKOGAWA Electric Co	rporation				
Schneider Electric Indu	stries				
KDT Systems					
RS Automation		~			
last Davies			Dack	Next	Cancel
elect Device PLC Setting[Serie	2590-30/70	1	Back	I Next	a Cancer
elect Device PLC Setting[Serie Alias Name	es90-30/70]	Bind IP : Auto	v Next	Cancel
elect Device PLC Setting[Serie Alias Name Interface	es90-30/70 : PLC1 : Ethernet	•]	Bind IP : Auto	v Next	
elect Device PLC Setting[Serie Alias Name Interface Protocol	es90-30/70 : PLC1 : Ethernet : Ethernet(SR] тр)	Bind IP : Auto	v Next	Comm Manual
elect Device PLC Setting[Serie Alias Name Interface Protocol String Save Mode	es90-30/70 : PLC1 : Ethernet : Ethernet(SR : First HL HL	TP) Change	Bind IP : Auto	v Next	Comm Manual
elect Device PLC Setting[Serie Alias Name Interface Protocol String Save Mode Use Redundan	es90-30/70 : PLC1 : Ethernet : Ethernet(SR : First HL HL	TP) Change	Bind IP : Auto		Comm Manual
elect Device PLC Setting[Serie Alias Name Interface Protocol String Save Mode Use Redundant Operate Condition : 2	es90-30/70 : PLC1 : Ethernet : Ethernet(SR : First HL HL CY ND V	TP) Change	Bind IP : Auto		Comm Manual
elect Device PLC Setting[Serie Alias Name Interface Protocol String Save Mode Use Redundan Operate Condition : Change Condition : E	es90-30/70 : PLC1 : Ethernet : Ethernet(SR : First HL HL CY ND ~ TimeOut Condition	TP) Change	Bind IP : Auto		Comm Manual
elect Device PLC Setting[Serie Alas Name Interface Protocol String Save Mode Use Redundan Operate Condition :	es90-30/70 : PLC1 : Ethernet : Ethernet(SR : First HL HL CY NND 1 TimeOut 1 Condition	TP) Change	Bind IP : Auto		Comm Manual
elect Device PLC Setting[Serie Alias Name Interface Protocol String Save Mode Use Redundan Operate Condition : Change Condition : Primary Option To	as90-30/70 : PLC1 : Ethernet : Ethernet(SR : First HL HL CY NND Condition	TP) Change	Bind IP : Auto		Comm Manual
elect Device PLC Setting[Serie Alias Name Interface Protocol String Save Mode Use Redundan Operate Condition : Change Condition : Primary Option IP Schemet Device	as90-30/7C : PLC1 : Ethernet : Ethernet(SR : First HL HL CY ND CY 1 TimeOut 1 Ordition	1] TP) Change 5 • •	(Second)		Comm Manual
elect Device PLC Setting[Serie Alias Name Interface Protocol String Save Mode Use Redundann Operate Condition : Change Condition : Primary Option IP Ethernet Protocol Bost	as90-30/7C : PLC1 : Ethernet : Ethernet(SR : First HL HL CY ND 1 TimeOut 1 TimeOut 1 Orndition	1] TP) Change 5 \$	(Second)		Comm Manual
elect Device PLC Setting[Serie Alias Name Interface Protocol String Save Mode Use Redundam Operate Condition : Primary Option IP Ethernet Protocol Port Taxaata	as90-30/7C : PLC1 : Ethernet : Ethernet(SR : First HL HL Condition 192	1 TP) Change 5 168 ↓ 168 ↓	Bind IP : Auto		Comm Manual
elect Device PLC Setting[Serie Alias Name Interface Protocol String Save Mode Use Redundan Operate Condition : Primary Option IP Ethernet Protocol Port Timeout Cond With	as90-30/7C : PLC1 : Ethernet : Ethernet(SR : First HL HL CY ND ✓ TimeOut 192 € 18245 § 300 §	1 TP) Change 5 158 158 0 ↓ msec ▶ msec	Second)		Edit
elect Device PLC Setting[Serie Alias Name Interface Protocol String Save Mode Use Redundan Operate Condition : Primary Option IP Ethernet Protocol Port Timeout Send Wait	as90-30/7C : PLC1 : Ethernet : Ethernet(SR : First HL HL CY ND 192 € 192 €	1 5 158 0 ✓ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 7 5 7 6 7 <	Second)		Edit
elect Device PLC Setting[Serie Alias Name Interface Protocol String Save Mode Use Redundan Operate Condition : Primary Option IP Ethernet Protocol Port Timeout Send Wait	as90-30/7C : [PLC1 : Ethernet : Ethernet(SR : First HL HL CY NND ↓ 1000 192 〕 192 〕	1 TP) Change 5 168 168 109 100 </td <td>(Second)</td> <td></td> <td>Comm Manual</td>	(Second)		Comm Manual
elect Device PLC Setting[Serie Alias Name Interface Protocol String Save Mode String Save Mode Observet Condition : Primary Option IP Ethernet Protocol Port Timeout Send Wait	as90-30/7C : [PLC1 : Ethernet(SR : First HL HL CY ND 1000 1 192 € 10245 6 3000 6 0 6) TP) Change 5 ◆ 168 ♥ 0 ▶ msec ♥ msec	(Second)		Comm Manual
elect Device PLC Setting[Serie Alias Name Interface Protocol String Save Mode Use Redundann Operate Condition : Change Condition : Primary Option IP Ethernet Protocol Port Tmeout Send Wait	2590-30/7C : PLC1 : Ethernet : Ethernet(SR : First HL HL CY ND ♥ 1 TimeOut 1 TimeOut 1 0 condition 192 ♥ 18245 € 300 € 0 €	1 TP) Change 5 168 ♥ 168 ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥	(Second)		Comm Manual

Settings			Contents		
ТОР	Model	Check the TOP display and pro	Theck 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. Select "GE Fanuc Automation".			
PLC		Select the external device to be connected to the TOP.			
		Model	Interface	Protocol	
		Series 90-30/70	Ethernet	Ethernet (SRTP)	
		Please check the system confi connect is a model whose syste	guration in Chapter 1 to see if em 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 > Project properties > TOP settings] → [Project option > Check "Use HMI settings" > 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>. <u>168</u>. <u>0</u>. 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 settings > ETHERNET > "PLC1 : Series90-30/70"]
 - Set the options of the communication driver of Series 90-30/70 Ethernet(SRTP) in TOP Design Studio.

Project Option	×
Change HMI[H] Change PLC[C] X Delete PLC[D]	
PLC Setting [Series90-30/70] Alias Name : PLC1 Bind IP : Plc Setting [Series90-30/70] Part and the setting interface : Ethernet interface : Ethernet interface : Ethernet (1) COM3 (0) Ethernet (1) Protess (0) Primary Option Primary Option Primary Option Primary Option Primary Option ID 192 © 168 © 0 © 50 Ethernet Protocol TCP ✓ Port 18245 © Timeout 300 © msec Send Wait 0 © msec Send Wait 0 © msec	Auto
	Apply Close

Items	Settings	Remarks
Interface	Select "Ethernet".	Refer to "2. External
Protocol	Select "Ethernet(SRTP)".	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 the external device 18245 .	Fixed
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.	



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

■ [Main screen > Control panel > Ethernet]

	õ	Ethernet ×	×
Run	🔯 System	PortEthernet Port : ETH1 • 0 •	Option
	PLC Se	Link Speed : Auto MAC Address : 00:15:1D:05:38:C5 IP Address : 192.168.0.100	Sound
YNC Viewer		Subnet Mask : 255.255.255.0 Gateway : 192.168.0.1 E Default Gateway	(((.
Screen	Ethernet	DNS (1) : DNS (2) : Ethernet	
snut	Diagnostic M	Primary IP : 192.168.0.100 - Cable Status : ETH1 Connected Bridge Mode : Use Bridge	MRAM Analysis
	[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	
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>. <u>168</u>. <u>0</u>. 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

SendWait (ms)

■ [Main screen > Control panel > PLC]

	¢۵ (PLC		×
	🔯 System	Driver(ETH)	PLC1(Series90-30/70) ▼		
Run		Interface	Ethernet 🔹		
		Protocol	Ethernet(SRTP)		
MN'C	PLC	Bind IP	Auto		
		IP	192 🗘 168 🜩 0 🌩 50 🜩		
Viewer		Ethernet	TCP -		
		Port	18245 🖨		
	Ethernet	Timeout	300 🖨 msec		
		Send Wait	0 🖨 msec		
shot	htti~/				
	Diagnostic				
	[System]	Diagnostic	Ping Test	Apply	Cancel
L					
tems	Settings				Remarks
Interface Select "Ethernet".				Refer to "2. Exte	
Protocol Select "Ethernet(SRTP)".		SRTP)".			device selectio
P Enter the IP address of the external device.					
thernet Protocol	Select the Ethern	et protocol betweer	n the TOP and an external device.		
Port	Enter the Etherne	et communication p	ort number of the external device1824	5 .	
TimeOut (ms)	eOut (ms) Set the time for the TOP to wait for a response from an external device.				

Set the waiting time between TOP's receiving a response from an external device and

sending the next command request.



3.3 Communication diagnostics

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

- 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.
- - Check whether the ETH port settings you want to use are the same as those of the external device in [Control Panel > Ethernet].
- Diagnosis of whether the port communication is normal or not
- Touch "Communication diagnostics" in [Control Panel > 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	Contents		Check		Remarks	
System	How to connect the system		OK	NG	1 Custom configuration	
configuration	Connection cable name		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	External device CPU name Communication port name		OK	NG		
			OK	NG		
	Protocol (mode)		ОК	NG		
	Setup Prefix		OK	NG	4 External device setting	
	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	5. Supported addresses (For details, please refer to the PLC vendor's manual.)	



4. External device setting

4.1 External device setting 1 (IC693CMM321, IC697CMM742)

Set as follows through Ladder Software "CIMPLICITY Machine Edition" for communication settings. For more detailed setting method than described in this example, refer to PLC user manual. After completing the settings, download the settings to the corresponding device.



Do not use duplicate IP addresses over the same network.

Step 1. Select [Project] – [Add Target] – [GE Fanuc Controller] – [Series 90-30 PLC] or [Series 90-70 PLC] in the main menu tool bar of [CIMPLICITY Machine Edition]. → Activate the "Target" you want to use.

Step 2. Select [Right-click the corresponding "Slot"] – [Replace Module], [Add module...] to register "**CPU unit**" and "**Ethernet Module**" you want to use in [Target] – "Hardware Configuration" – "Main Rack" – corresponding "Slot" you want to use in the project tree of the [Navigator]. → Select the Ethernet Module listed in the table below according to CPU Series.

Contents	Module Name
Series 90-30 PLC	IC693CMM321(Ethernet interface)
Series 90-70 PLC	IC697CMM742 (Ethernet Controller Type2)

Step 3. Double-click the "Slot" where the "Ethernet interface Module" is registered. →The setting window is displayed.

Step 4. Register the IP information in the [Settings] tab of the setting window as follows.

Navigator	$ 1 \times$	InfoViewer (0.2) IC693CMM321
Navigator Navigator NewProj Target1 And Watch Lists Main Rack (IC693CHS391) WR (IC693PWR321) * Slot 1 (IC693CPU374) * Slot 2 (IC693CMI321) *		InfoViewer (0.2) IC693CMM321 Settings Station Manager Port Software Load Port Power Cort Parameters Values Configuration Mode: TCP/IP Status Address: %100081 Status Length: 80 IP Address: 192.168.0.50 Subnet Mask: 255.255.255.0 Gateway IP Address: 192.168.0.1
1 Slot 3 () 1 Slot 4 () 1 Slot 5 () 1 Slot 6 () 1 Slot 7 ()		Name Server IP Address: 0.0.00 Converter Power Consumption (Watts) 0 AAUI Transceiver (Watts): 0.5

Contents	Settings	Descriptions
IP Address	192.168.0.50	IP Information of the Ethernet Communication Module, Essential setting
Subnet Mask *Note 1)	255.255.255.0	-
Gateway IP Address *Note 1)	192.168.0.1	_
Name Server IP Address *Note 1)	0.0.0.0	-



4.2 External device setting 2 (Ethernet Interface on CPU Unit of Series 90-30/70)

Set as follows through Ladder Software "CIMPLICITY Machine Edition" for communication settings. For more detailed setting method than described in this example, refer to PLC user manual. After completing the settings, download the settings to the corresponding device.



Do not use duplicate IP addresses over the same network.

Step 1. Select [Project] – [Add Target] – [GE Fanuc Controller] – [Series 90-30 PLC] or [Series 90-70 PLC] in the main menu tool bar of [CIMPLICITY Machine Edition]. → Activate the "Target" you want to use.

Step 2. Select [Right-click the corresponding "Slot"] – [Replace Module] to register "CPU unit" you want to use in [Target] – "Hardware Configuration" – "Main Rack" – corresponding "Slot" you want to use in the project tree of the [Navigator]. → When activated, the automatically registered CPU is changed and registered as the module you want to use.

3. Double-click [Target] – "Hardware Configuration" – "Main Rack" – CPU to display CPU setting window.

4. Register the IP information in the [Ethernet] tab of the setting window as follows.



Settings	Descriptions
102 169 0 50	IP information of the Ethernet Communication Module,
192.100.0.50	Essential setting
255.255.255.0	-
192.168.0.1	-
	Settings 192.168.0.50 255.255.255.0 192.168.0.1



4.3 External device setting 3 (IC695ETM001)

Set as follows through Ladder Software "CIMPLICITY Machine Edition" for communication settings. For more detailed setting method than described in this example, refer to PLC user manual. After completing the settings, download the settings to the corresponding device.



Do not use duplicate IP addresses over the same network.

Step 1. Select [Project] – [Add Target] – [GE Fanuc Controller] – [PACSystems RX3i] in the main menu tool bar of [CIMPLICITY Machine Edition]. →Activate the "Target" you want to use.

Step 2. Select [Right-click the corresponding "Slot"] – [Replace Module], [Add module...] to register "**CPU unit**" and "**Ethernet Module**" you want to use in [Target] – "Hardware Configuration" – "Main Rack" – corresponding "Slot" you want to use in the project tree of the [Navigator]. → Select the Ethernet Module listed in the table below according to CPU Series.

GE Fanuc Controller	Module Name
PACSystems RX3i	IC695ETM001 (Ethernet interface Module)

3. Double-click the "Slot" where the "Ethernet interface Module" is registered. →The setting window is displayed.

4. Register the IP information in the [Settings] tab of the setting window as follows.

Navigator	# ×	InfoViewer (0.4) IC695ETM001	
Navigator 4 Image: Construct on the second secon		InfoViewer (0.4) IC695ETM001 Settings RS-232 Port (Station Manager) Parameters Configuration Mode Adapter Name Use BOOTP for IP Address IP Address Subnet Mask	Power Consumpt TCP/IP 0.4 False 192.168.0.50 255.255.255.0
		Gateway IP Address Gateway IP Address Name Server IP Address Max FTP Server Connections Network Time Sync Status Address Length Redundant IP I/O Scan Set	192.168.0.1 0.0.0.0 2 None %100001 80 Disable 1
Contents	Settings	Descriptions	
IP Address	192.168.0.50	IP information of the Ethernet Commu Essential setting	unication Module,

		Essential setting
Subnet Mask *Note 1)	255.255.255.0	-
Gateway IP Address *Note 1)	192.168.0.1	-
Name Server IP Address *Note 1)	0.0.0.0	-



4.4 External device setting 4 (Ethernet Interface on CPU Unit of RX7i)

Set as follows through Ladder Software "CIMPLICITY Machine Edition" for communication settings. For more detailed setting method than described in this example, refer to PLC user manual. After completing the settings, download the settings to the corresponding device.



Do not use duplicate IP addresses over the same network.

Step 1. Select [Project] – [Add Target] – [GE Fanuc Controller] – [PACSystems RX7i]] in the main menu tool bar of [CIMPLICITY Machine Edition]. →Activate the "Target" you want to use.

Step 2. Select [Right-click the corresponding "Slot"] – [Replace Module...] to register "CPU unit" you want to use in [Target] – "Hardware Configuration" – "Main Rack" – corresponding "Slot" you want to use in the project tree of the [Navigator]. → When activated, the automatically registered CPU is changed and registered as the module you want to use.

3. Double-click the Sub-node in the [Target] - "Hardware Configuration" - "Main Rack" - CPU Slot to display CPU setting window.

4. Register the IP information in the [Settings] tab of the setting window as follows.





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	Word Address NOTE	32 BIT
Input Relay	100001 – 132768	100001 – 132753	100001 + 16*n *Note 1)	
Output Relay	Q00001 – Q32768	Q00001 – Q32753	Q00001 + 16*n *Note 1)	
Internal Relay	M00001 – M32768	M00001 – M32753	M00001 + 16*n *Note 1)	
Global Relay	G0001 – G7680	G0001 – G7665	G0001 + 16*n *Note 1)	
Momentary Relay	Momentary Relay T001 – T1024 T001 -		T001 + 16*n *Note 1)	
	S001 – S128	S001 – S113		
System Function	SA001 – SA128	SA001 – SA113	$(0.01 + 16^{+})$	
Relay	SB001 – SB128	SB001 – SB113	SUUT + 10"11 "Note I)	
	SC001 – SC128	SC001 – SC113		
Register R00001.0 – R32640.15		R00001 - R32640		
Analog Input	AI0001.0 – AI32640.15	Al0001 – Al32640		
Analog Output	AQ0001.0 - AQ32640.15	AQ0001 – AQ32640		

*Note 1) When using a bit address that uses decimals, use a word address in units of "16"

*Note 2) The lower 16-bit data of 32-bit data is saved in the screen-registered address, and the upper 16-bit data is saved in the address following the screen-registered address.

Ex. When saving 32BIT data hexadecimal data 12345678 in address D00100, it is saved to 16BIT device address as follows:

Items	32BIT	16BIT	
Address	D00100	D00100	D00101
Input data (hexadecimal)	12345678	5678	1234