Pro-Server EX Compatibility 2

Cautions and compatibility in case you replace from GP2000/77R Series, GLC Series or Factory Gateway (referred to as FGW) to GP3000 Series and use it on Pro-Server EX are introduced here.

Chapter 2 Replacing GP Unit from GP2000/77R/GLC/FGW Series to GP3000 Series and using it on Pro-Server EX



Chapter 2. Table of Contents

- 2.1 Network project file
- 2.2 Changing a node on "Pro-Server EX" from GP2000/77R/GLC/FGW series to GP3000 series
- 2.3 Cautions for replacing the GP unit from GP2000/77R/GLC/FGW series to GP3000 series

2.1 Network project file

A network project file created via Pro-Server with Pro-Studio cannot be used on Pro-Server EX as it is because its file format is different. It is necessary to convert it to a file format of Pro-Server EX.

When you open a network project file that was created via Pro-Server with Pro-Studio, on Pro-Server EX, the converter will be automatically activated and change the file format. Even in this case, the network project file (*.npj) will not be deleted, and a new file whose extension is *.npx will be created.

File extension	Created software
.npj	Network project file for Pro-Server with Pro-Studio
.npx	Network project file for Pro-Server EX

A network project file (*.npx) for Pro-Server EX cannot be used on Pro-Server Ver. 4.X. The file format cannot be converted from *.npx to *.npj.

2.2 Changing a node on Pro-Server EX from GP2000/77R/GLC/FGW series to GP3000 series

When a network project file for Pro-Server with Pro-Studio is converted via Pro-Server EX, [Node Type] is converted as [GP Series]. This means it is converted as GP2000/77R/GLC/FGW Series.

disconnery disconnex				_ 🗆 🗵
Elle Edit Icol Brogramming Assist	≦etting tjelp			
📁 Stat 🔉 🟹 Node	🍛 ≽ Symbol 🔉 ≷ Feature 🔉 🦳	Sava 🔉 😫	Transfer	Monitor Status
Add Node	Node Type C WindowsPC C GP3000 Series	(* GP Series		
X Denterritory				
	Node Name	IP Address	Subnet Mask	Gateway
Find Node	Node Name GP1	IP Address 192,168, 0 , 1	Subnet Mask 255, 255, 255, 0	Gateway

When changing [Node Type] from [GP Series] to [GP3000 Series], please note that some features need to be setup again via Pro-Server EX.

	Transferable to	Requires re-entry via
	Pro-Server EX	Pro-Server EX
Node Setting		~
(Device/PLC Setting)		
Symbol	Transferable to GP3000	
	by copy & paste	
	(Some parts require re-entry)	
Distribution		~
(Data Transfer)		
Action	~	
	(Some parts require	
	re-entry)	
DDE	~	
Simple DLL Function	~	

* Please refer to "2.3 Cautions for replacing the GP unit from GP2000/77R/GLC/FGW series to GP3000 series" for other features.

Transfer Flow

	Procedure	Reference
1.	Write down the necessary items before	Procedure 1 - 2
	uninstalling Pro-Server with Pro-Studio.	
2.	Open a network project file (*.npj), which has	Procedure 3 - 6
	been created via Pro-Server with Pro-Studio,	
	on Pro-Server EX.	
3.	Register GP3000 series for the node.	Procedure 7 - 8
4.	Copy the symbols in the node created in	Procedure 9 - 15
	Procedure 3.	
5.	Re-enter the distribution (data transfer) setting.	Procedure 16 - 22
6.	Re-enter the IP addresses and node names of	Procedure 23 - 24
	registered nodes in Procedure 3.	
7.	Confirm the Action setting.	Procedure 25

Details of the transfer process are introduced below.

Prepare before uninstalling Pro-Server with Pro-Studio

1. Start Pro-Server with Pro-Studio and open the network project file (*.npj). Confirm the PLC type and IP address registered in each node, and write them down.



Important

Pro-Server with Pro-Studio and Pro-Server EX cannot be installed on the same PC.

2. Please confirm if Pro-Server EX supports the PLC type which you have written down by referring to Pro-Server EX Reference Manual.

Important			
The device/PLC drivers, which	are supported by Pro-Server EX, are the same		
as ones which are supported by	/ GP-Pro EX.		
 When using Pro-Server EX with 	n GP2000/77R/GLC/FGW Series, the following		
Special Protocols of Pro-Server	with Pro-Studio are not supported.		
MITSUBISHI MELSEC NET/10	Allen Bradley SLC5/05 (ETHER)		
OMRON CS1 (ETHER)	Allen Bradley SLC500 DH485		
HITACHI Industrial Equipm	ent Allen Bradley PLC5 Data High way		
System Co. HIDEC H (ETHER)) Plus		
SIEMENS S7-200 via MPI	Allen Bradley Remote I/O		
MODICON MODBUS Plus			

Open a net work project file for Pro-Server with Pro-Studio on Pro-Server EX

3. Start Pro-Server EX and open a network project File (*.npj) for Pro-Server with Pro-Studio.



4. When the network project file (*.npj) for Pro-Server with Pro-Studio opens, the following message appears. Click [Yes].

NP JtoNPX	8
٢	Cr(Documents and Settings);occccccc/uccccccccclgp2000.np) is a network project with an older format. To use it, you need to convert it into a network project with the new format (Cr(Documents and Settings);occccccclgp2000.npc). If you execute conversion, a new file with an extension of NPX is created, and the old file also remains as it is. Dou you want to convert it?
	<u>yes</u> No

5. The network project file (*.npj) for Pro-Server with Pro-Studio is automatically converted into the network project file (*.npx) for Pro-Server EX. The convert information appears.



6. When selecting the converted node, its node type is shown as [GP Series], which means GP2000/77R/GLC/FGW Series.

Pro-Studie IX gp2000 rps No. Edit. Tool: Programming Assist	Setting Holp			100
📁 Start 🍛 🐚 Node	33 🌽 Eyndal 33 ≷ Fastur 35	Sove 20	Toester	Honitor Stoke
Add Node	Nada Type IF WindowsPC IF GP3000 Series	(F GP Seven]	
The Delate Node	Node Name	IP Addess	Subret Mask	Galeway
PrelNode	GP1	192,168, 0	1 295,295,295 0	
WindowiPC OP3000 Senier GLC (1922 168.0.3) MEV GLC (1922 168.0.3) MEV	Gardi, between Device Into and Symbol Into Project/File		12.00000	E AD Wee



Add GP3000 series in the node

7. Click the [Add Node] button on Pro-Server EX.

饕 Pro-St	udio EX	gp2000.r	ря			
<u>File E</u> dit	<u>T</u> ool	Programming	g Assist	<u>S</u> etting	Help	_
1	Start 2	»	Node	>>	> Symbol	>>
	Add	Node		Node O Wi	e Type ndowsPC	
₽ x	Delet	e Node				
	Find	l Node		GP1	Name	

8. The [Add Node] dialog box appears, and then add [GP3000 series]. Setup other parts if needed.

Add Node		×
Node Type	⑦ GP3000 Series ○ GP Series	ies
Node Name GP3	IP Address	Enter the temporary IP address as you can set correct IP address at procedure 24.
🗹 Link between Device	e Info and Symbol Info 🛛 🗕	
 Project File C Read Info Driline 	Update	If this check box is ON, you can use the same PLC diver and symbol info as the project file of GP-Pro EX.
Device/PLC1	Add Device	
Port Type Delete Device Name	Set Port Max	if you don't have the project file of GP-Pro EX, enter the appropriate PLC driver directly
T		<u> </u>
System Area Device	<u> </u>	System Area Start Device
		Register Cancel



10. Click the node of [GP Series]. Drag and select all the symbols shown, and select [Copy] by right-click.



 Select [PLC1:Sheet XX (Device/PLC driver name which has been setup)] of [GP3000 Series] added in Procedure 8. Right-click the first cell of the symbol screen, and select [Paste].

insen		Delete				
Сору	Cut	Paste		Syml	ool	ſ
Symbol Sheet		Delete			Edit Delete	
Check Duplic	ation/List Us	ed Addresses			Copy Cut Paste	-
	onstant Jettin	gucieen			Group	, - -
	vsPC 1 (192.168.0.1 #INTERNAL D Series	100) :PC1				
	#INTERNAL PLC1:Sheet2	:Sheet1 2 Q/QnA Serial	Comn			

12. The symbols are pasted there.

However, symbols of LS area are displayed in red, if any are used.

(See Procedure 13 to move the symbols of LS area.)

Symbol	Data Type	Consec utive	Device Address	
LD00100_WORD	16Bit(Signed)		D00100	1
_D00101WORD	16Bit(Signed)		D00101	1
_D00102_WORD	16Bit(Signed)		D00102	1
_LS0100WORD	16Bit(Signed)		LS0100	1
				1
				1
_M000050_BIT	Bit		M000050	1
_M000051_BIT	Bit		M000051	1
_M000051_BIT1	Bit		M000052	1

13. Select a symbol of LS area displayed in red.

Right-click it and select [Cut].

Symbol	Data Type	Consec utive	Device Address
_D00100_WORD	16Bit(Signed)		D00100
_D00101WORD	16Bit(Signed)		D00101
_D00102_WORD	16Bit(Signed)		D00102
LS0100_WORD	16Bit(Signed)		LS0100
	Edit Delete		
_M000050_BIT	Сору		M000050
_M000051_BIT	Cut		M000051
_M000051_BIT1	Paste		M000052
	Group		
	Symbolize Address Make Symbol Macro Device Monitor		

- Cut Paste Сору Symbol Symbol Sheet Edit Add Delete Delete Сору Check Duplication/List Used Addresses Cut Paste Global Constant Setting Screen Group WindowsPC -.... 🗄 🜉 PC1 (192.168.0.100) INTERNAL:PC1 GP3000 Series Ė Ŧ 🗄 🔚 AGP1 (192,168.0.200). #INTERNAL:Sheet1
- Select [#INTERNAL:Sheet XX], and right-click the first cell of the shown symbol screen. Then, select [Paste].

15. If multiple nodes are registered as [GP Series] in Procedure 6, repeat the procedures from 7 through 14.

Re-er	nter the dist	ribution (d	ata transfer) settin					
16. To input the distribution (data transfer) settings again, click and [Edit] the registered distribution.								
	Edit	Delete						
	Feature Name	Trigger Con	Transfer Source	Data Type	Transfer Destination			
	Sheet1	Sheet1	[GP1.#INTERNAL]_D0010	168it(Signed)	[GP1.#INTERNAL]_D0010			

17. Since the following items require settings again, write down each item.

Data Transfer (Distribute Type)	S
Tigger Condition	Data Transfer Name Sheet1
New Trigger Condition Sheet1 Edit	Add Transfer Source
Node (up1 When_M000050_BIT of Node GP1 is Turned	Edk/Add Transfer Destination
Delete	Set Receive Notification
Node:DeviceNa Device/Constant Data Type Number GP1.HINTERNA D00100_WDR 1.68kt/Sign 4	Node DeviceNa Device Data Type GP1.4INTERNA _D00101_W0 168k/Sign
	Complete Cancel

18. At first, click [Edit] to reset the trigger conditions.

Trigger Condition	
New Trigger Condition	
Sheet1 Edit Node GP1 When _M000050_BIT of Node GP1 is Turned	

19. Set [Node Name] as the node of [GP3000 Series] selected in Procedure 8, and re-enter [Device Name] and [Device Address], then click [OK].

Trigger Condition Name Sheet1 Node Name AGP1	Trigger Condition	Iode Find Node			
Condition 1 Specity the Trigger Condition.					
When Turned DN Specified Time Constant Cycle When Device Changes	While Device is ON While Device is OFF When Device DN When Device ON When Device OFF	While Condition Satisfied When Condition Satisfied When Partner Node ON When Partner Node OFF			
Device Name PLC1 In DFF the Specified Device Address after Processing. Device Address In International Internat					
Limited Time Offer	Detail Settings	Check Cycle C Always 500			

20. Return to the [Data Transfer (Distribution Type)] dialog box, then click [Edit/Add Transfer Destination].



21. Setup [Device Name] of Transfer Source, [Node], [Device Name] and [Device Address] of Transfer Destination again.



22. If [Number] is 2 or more in Procedure 17, click and return to the symbol screen, then setup [No. of Data] again.

Symbol	Data Type	Consec utive	Device Address	ľ	No. of Data
_D00100_WORD	16Bit(Signed)		D00100	4	•
_D00101_WORD	16Bit(Signed)		D00101	1	
_D00102_WORD	16Bit(Signed)		D00102	1	

Caution

When [No. of Data] is 0 or 1, settings of Procedure 22 is not required.

Setup [No. of Data] again only if it is 2 or more.



23. Click , and write down the nodes and IP addresses that are set in [GP





24. Select the added GP3000 Series, and input <u>Node Names and IP Addresses</u> that you have written down in Procedure 16.

😵 Pro-Studio EX gp2000.npж		
Ele Edit Tool Brogramming Assist	Setting Help	
📁 Stat 🔉 🟹 Node	🍑 🍐 Symbol 🔉 ≷ Festure 🔉 📄	Save ≫ 🆄
Add Node	Node Type C WindowsPC / GP3000 Series	C GP Series
Sk Delete Node		
	Node Name	IP Address
🕞 Find Node	GP1	192,168,0,1
WindowsPC UmdowsPC UmdowsPC UmdowsPC1 (192.168.0.100) D C GP3000 Series	Link between Device Into and Symbol Into Project Fac. C.\Documents and Settings	utpuser DIG-DEV/Desk
B- GP1 (132.163.0.1) - 16 PLC1 (COM) Q/Qn4	C Readinto Onine Update	

What happens if a node name which differs from one registered in [GP Series] is set in [GP 3000 Series]?

Features such as Action, DDE, and Simple DLL function include information of the node name. Therefore, if the node name which differs from the one registered in [GP Series] is set in [GP 3000 Series], you need to re-enter the node name used in some parts of Action settings, file contents of EXCEL and Access used in Action, DDE, or Simple DLL function.

Please set a node name as same as the one registered in [GP Series] if possible. Please note that Pro-Server EX discriminates between capital letters and small letters of node names and symbol names.

Confirm the Action setting

25 Confirm the Action settings with attention to the checkpoints described below.

[Checkpoint 1] Node and device name				
If the following Action is used, confirm the node name and the device name.				
Action Name	Modification			
Automatic	Change to GP3000 in the [GP Type] setting.			
Upload/Download of				
GP Filing Data				
	O GP3000 Series			
Write data from CSV	Re-enter [Node Name] and [Device Name].			
file	Detail Configuration			
	Enter the symbol name or			
	Node Name OP1 device address directly.			
	Devce NameK0100_CHT			
	Data type Bit			
	In [Device Name], input the device or symbol name directly.			
	To input a device name directly, refer to the example shown			
	below.			
	e.g.: PLC1 Device [PLC1]D0100			
	LS Device [#INTERNAL] LS0100			
	Memory Link Device [#MEMLINK] 0100			
	To copy the symbol name from the symbol sheet screen,			
	use [Ctrl+C] key in [Edit Symbol] dialog box.			
	_M000050_BIT BR M000050 1			
	_M000051_BIT Bi M000051 [1			
	X00100_BIT Edit Symbol			
	Symbolize Address			
	Address: >000100			
	·			

[Checkpoint 2] Path name of the folder to read out/ to save, etc.

When using Action, the paths of a folder to save the file or a folder to save the template that are used for the action are not converted. After converting a network project file for Pro-Server with Pro-Studio, designate the folder path used for the action again.

e.g.: Create Report using Excel	
---------------------------------	--

reate report using	Excel	EX Version 1.00
Template Dook	Documents and Sattings1.soccccccccc/socccccrt.soccit	The path used Pro-Server
	Esit Template	with Pro-Studio remains. If
Output Book		a template book is saved
Folder Name	C Program Files/Pro-face/Pro-Server with Studi MpjDatabase	in another folder, enter the
File Name	Report_%V%M%D.xis Return to Deta	path again.
🗐 Start from Disple	wed State	
	OK Canoel	

Using [Writes Data to Excel Book] Action

When using the Writes Data To EXCEL Book action, the default settings of the file path on Pro-Server with Pro-Studio is as followed.

C:\Program Files\Pro-face\Pro-Server with Studio\NpjDatabase

Even if the template is not designated, Pro-Server EX does not have this default folder for Pro-Server with Pro-Studio so that the following error appears when you try to change the parameter settings.

	ProRpt	×
	⚠	Book Location Folder does not exist. C:\Program Files\Pro-face\Pro-Server with Studio\NpjDatabase
		Do you create new folder?
		<u>Y</u> es <u>N</u> o Cancel
In that case,	designate	e the existing folder again.

This is all for transfer to GP3000 series.

2.3 Cautions for replacing the GP unit from GP2000/77R/GLC/FGW series to GP3000 series

Installation of Pro-Server EX and Pro-Server with Pro-Studio

You cannot install both Pro-Server EX and Pro-Server with Pro-Studio on the same PC. In case to install either one, please uninstall the other one.

For example, if you would like to install Pro-Server EX on a PC with Pro-Server with Pro-Studio already installed, uninstall Pro-Server with Pro-Studio before you install Pro-Server EX.

Coexistence of Pro-Server EX and Pro-Server with Pro-Studio

For the system that has two or more PCs, a PC with Pro-Server with Pro-Studio installed and a PC with Pro-Server EX installed cannot be registered on the same network project file.



A node of Pro-Server EX and a node of Pro-Server with Pro-Studio cannot be registered on the same network project file. Adding GP3000 series on the system that is running with GP2000/77R/GLC/FGW series



Develop all PCs and GP2000/77R/GLC/FGW series on Pro-Server EX.

By using Pro-Server EX, distribution (data transfer) between GP2000/77R/GLC/FGW series and GP3000 series can be set. However, it does not support the new features of Pro-Server EX because its communication is the same level as Pro-Server with Pro-Studio. Its performance is also the same level as Pro-Server with Pro-Studio.

Using GP-Web and GP-Viewer

Pro-Server EX does not support GP-Web and GP-Viewer.

Using GP77R Series

GP77R Series is supported by Pro-Server EX V1.10 and higher.

Transferring from GLC series

Symbols of GLC cannot be used with [GP3000 series]. PLC device, LS area and USR area can be used.

Special Protocol

Pro-Server EX does not support the following special protocols among the GP protocol types that Pro-Server with Pro-Studio supports. When you open the file (*.npj) for Pro-Server with Pro-Studio that uses a special protocol on Pro-Server EX, the following message appears.



See → Pro-Server with Pro-Studio Operation Manual "3.11.3 Special Protocol"

Data View

Pro-Server EX does not support Data View that is supported by Pro-Server with Pro-Studio. See \rightarrow Pro-Server with Pro-Studio Operation Manual "1.6 Overview of Data View"

Action

- Pro-Server EX does not support Alarm Log (with the Sound Alert feature) that is supported by Pro-Server with Pro-Studio.
- The "Create Report using Excel" action of Pro-Server with Pro-Studio creates distribution (data transfer) information automatically when creating the Excel's template that is the base of the report. However, the "Report using Excel" action of Pro-Server EX does not have the feature.

Therefore, it is possible to use a template created via Pro-Server with Pro-Studio and use the "Create Report using Excel" action. However, to create or edit a new template, distribution (data transfer) information is required to be set manually.

In Pro-Server EX, the "Create form using Excel" action is provided instead of the "Crate Report using Excel" action. To develop a new system using EXCEL, it is recommended to use the "Create form using Excel" action rather than the "Create Report using Excel" action.

Simple DLL Function

- The API feature is called "Simple DLL" on Pro-Server with Pro-Studio. On the other hand, it is called "Pro-Server EX API" on Pro-Server EX.
- When a file for Pro-Server with Pro-Studio is converted to a file for Pro-Server EX with using the same system as GP2000/77R/GLC/FGW Series, the node and the device name of Simple DLL do not need to be changed.
- GP3000 series can communicate with multiple device/PLCs at the same time. However, if it is required to designate the device/PLC via some parts of API, connect the node name and the device/PLC name by "." (dot), and designate the device/PLC.
 e.g.) "Node1" -> "Node1.PLC1"
- Pro-Server with Pro-Studio does not discriminate between capital letters and small letters of node names and symbol names. However, Pro-Server EX discriminates.
 For example, "Node1" and "NODE1" are recognized as the same on Pro-Server with Pro-Studio, but they are dealt as different names on Pro-Server EX.

API related to CF card

There are two types of API functions to obtain information inside CF card.

EasyGetListInCard EasyGetListInCfCard

Functions above can obtain the data of yy/mm/dd/hh:mm:ss from CF card of GP series node. However, they can only obtain the data of yy/mm/dd/hh:mm from CF card of GP3000 series node. Data of "second" remains zero all the time.

Device Cache

As described below, operation when a device cache is reading differs between Pro-Server with Pro-Studio and Pro-Server EX.

	Using Cache Feature of Device Data
Pro-Server with Pro-Studio	When using API that has a device cache polling feature,
	devices to be cached are automatically registered in
	Pro-Server.
Pro-Server EX	When using API that has the device cache polling feature
	without device cache registered, it always become Direct
	Read on Pro-Server EX. To use the cache feature, you need
	to register devices to poll beforehand, and need to control the
	polling.

If you use an application, which has been created via Pro-Server with Pro-Studio, on Pro-Server EX without cache registration, communication or operation might be slower. In this case, register the device to read as a cached device on Pro-Server EX.



See → Pro-Server EX Reference Manual "28.4 Cache Registration of Frequently Used Devices"

In addition, Pro-Server EX has the Device Access Log feature to confirm which device is accessed. Please refer to "Pro-Server EX Reference Manual 28.5 Device Access Log for more details.

The OPC feature is supported by Pro-Server EX Ver. 1.20 and higher.

You can use the OPC client, which has been operated on Pro-Server with Pro-Studio, on Pro-Server EX, however, you need to change the Program ID.

Program ID for OPC Client	Program ID for OPC Client
of Pro-Server with Pro-Studio	of Pro-Server EX
digital.opcpro.1	Pro-face.OPCEx.1

Pro-Server EX Ver. 1.20 and higher conform to OPC DA(Data Access) Ver. 3.0 and Ver. 2.05A.

Interface supported by OPCEx

Data Access Server I/F	DA1.0	DA2.0	DA3.0	OPCEx				
OPC Server Object								
IUnknown	Required	Required	Required	0				
IOPCServer	Required	Required	Required	0				
IOPCCommon	N/A	Required	Required	0				
IConnectionPointContainer	N/A	Required	Required	0				
IOPCItemProperties	N/A	Required	N/A	0				
IOPCBrowse	N/A	N/A	Required	0				
IOPCServerPublicGroups	Optional	Optional	N/A	×				
IOPCBrowseServerAddressSpace	Optional	Optional	N/A	0				
IOPCItemIO	N/A	N/A	Required	0				
IProFaceShutdown	N/A	N/A	N/A	0				
OPC Group Object								
IUnknown	Required	Required	Required	0				
IOPCItemMgt	Required	Required	Required	0				
IOPCGroupStateMgt	Required	Required	Required	0				
IOPCGroupStateMgt2	N/A	N/A	Required	0				
IOPCPublicGroupStateMgt	Optional	Optional	N/A	×				
IOPCSynclO	Required	Required	Required	0				
IOPCSynclO2	N/A	N/A	Required	0				
IOPCAsynclO2	N/A	Required	Required	0				
IOPCAsynclO3	N/A	N/A	Required	0				

	IOPCItemDeadbandMgt	N/A	N/A	Required	0			
	IOPCItemSamplingMgt	N/A	N/A	Optional	×			
	IConnectionPointContainer	N/A	Required	Required	0			
	IOPCAsynclO	Required	Optional	N/A	×			
	IDataObject	Required	Optional	N/A	×			
EnumOPCItemAttributes								
	IEnumOPCItemAttributes	Required	Required	Required	0			
Client Side Interface								
	IOPCDataCallback	N/A	Required	Required	0			
	IOPCShutdown	N/A	Required	Required	0			

Security

You can administrate the operator which can control Pro-Server at the following level; "Administrator Mode", "Read/Write Mode", "Read only Mode", and "Disconnect Mode" on Pro-Server with Pro-Studio. However, Pro-Server EX does not support the feature.

On Pro-Server EX, you can set a password when saving a network project file in order to block unauthorized editing.

See → "Pro-Server EX Reference Manual 22. Enhancing Security"

Support of Multi-LAN Cards (Multi-IP Addresses)

When multiple IP addresses are allocated such as in case that one PC has multiple LAN cards, you need to select one IP address that Pro-Server uses on Pro-Server with Pro-Studio.

On Pro-Server EX, you do not need to select an IP address and all IP addressees can be used.

Distributing Character String

When distributing a value of a character string in a device, if the number of distribution data (the number of strings) is not an integral multiplication of 2 for16-bit device or not an integral multiplication of 4 for 32-bit device, it is distributed internally as a number of strings of integral multiplication of 2 or that of 4 on Pro-Server with Pro-Studio.

That is; For 16-bit device, the result is the same whether the number of data is 1 or 2.

For 32-bit device, the result is the same whether the number of data is 1, 2, 3, or 4.

Pro-Server EX deals a character string by designated number of data, not by integral multiplication of the number of data according to the bit length of the device. Therefore, the results of distribution character strings that are not integral multiplication are not the same. To have the same result, set the number of the string to be an integral multiplication according to the bit length of the device on Pro-Server EX.

The above description applies to the distribution to enable actions. For a character string, set the number of the string to be an integral multiplication.

Concluded