20 Saving Device Data Backup

20.1	Try to Save Device Data Backup	20-2
20.2	Setting Guide	20-6

20.1 Try to Save Device Data Backup

The device data in Device/PLC can be easily backed up with simple settings.

The data subjected to backup is limited to sequential devices, however, you are recommended to use this function for backup or editing the data partially on the occasion of maintenance.

• The data backed up or edited can be stored in Device/PLC. For the procedures, please refer to "21 Restoring Backup Device Data".

1 Click [Backup Device] from [Tool] on the menu bar.



2 Set all items in the "Device Backup" screen and click the [Backup] button.

Device Backup	
Read out c	urrent values of the specified node and save them.
Node Name	AGP1
Device/PLC	PLC1
Device Address	Sheet3.PLC1Data
Backup Number	5
	Data Format Bit Insigned Dec 16Bit Signed Dec 32Bit Hex
Save Folder	C:\Program Files\Pro-face\Pro-Server EX\NPXData Browse
File Name	%NODE_%DEVICE
	File Format BIN CSV Backup Cancel

NOTE The data saving format can be either BIN (binary) or CSV, having the features given below. • BIN

Suited for saving large volumes of data. But you cannot confirm or edit the backup data on PC.

• CSV

You can confirm or edit the backup data using Excel or any application that supports the CSV file.

The "now" screen is displayed, indicating the processing status of backup.

now	
Now saving device data to file.	
-	
0/ 255: 0%	Cancel

NOTE

• The set contents in the "Device Backup" screen are incorrect, the following message appears:

Message	Required action
Designate number up to 255 for data backup in the BIT format.	Reset the value in the [Backup Number] in the range of 1 to 255, and then execute backup.
You cannot execute bit-type symbol backup other than in the BIT format.	If you designated a BIT symbol in the [Device Address] field, you cannot execute backup in formats other than BIT. Reset the format to "BIT", and then execute backup.
You cannot execute symbol backup other than a bit-type in the BIT format.	If you designated a symbol other than a bit- type in the [Device Address] field, you cannot execute backup in BIT. Reset the format to something else but "BIT", and then execute backup.

When the saving process has been completed successfully, the message of "Device backup was successfully completed" appears.

Click the [OK] button to finish the process.



Below are the data contents for CSV device data. Node name, (Node name for backup) Device/PLC name (Device/PLC of backup source) Device name, (Device address to start backup) Number, (Number of backup data) Device length, (Bit length of the backup device) Data type, unsigned decimal Date, (Backup date)

Data, comment

(Value of the first device address), (Name of the first device address)

(Value of the second device address), (Name of the second device address)

The backup date should be written in a format of "(year)/(month)/(day) (space) (hour):(minute)". Note that if only (minute) shows one digit, use 0 (zero) in the second digit.

20.2 Setting Guide

Device Backup	
Read out c	urrent values of the specified node and save them.
Node Name	
Device/PLC	
Device Address	▼
Backup Number	255
	Data Format Bit Unsigned Dec 16Bit Signed Dec 32Bit Hex
Save Folder	C:\Program Files\Pro-face\Pro-Server EX\NPXData Browse
File Name	%NODE_%DEVICE
	File Format BIN CSV Backup Cancel

Setting item	Setting content
	Select the node reading the Device Backup data.
Node Name	NOTE
	• The list indicates the nodes registered in the network project file under loading.
Device/PLC	Select the Device/PLC reading the Device data.
Device Address	Enter the leading device address or symbol in the device from which you read the data.
	Enter the number of backup device.
Backup Number	NOTE
	• The maximum number of device that you can backup depends on the device data type.
Data Format	Select the type of saved data. When [CSV] is selected on [File Format], set the data notation.
Save Folder	Set the folder that you wish to save file. Click the [Browse] button or enter the folder name directly to select the folder.
File Name	Enter the file name to be saved. By default, the file name will vary depending on the node name, the device address, the saved type and the data type you select.

Setting item	Setting content
File Format	 Select the data saving format. BIN Save as binary data. NOTE Suited for saving large volumes of data. But you cannot confirm or edit the backup data on PC. CSV Save as CSV data. NOTE You can confirm or edit the backup data on PC.