## 27.3 Monitoring Device Values

## 27.3.1 Monitoring Devices

This feature allows you to display the whole current device values sequentially starting with the specified device address.



1 Click the [Status Monitoring] icon on the status bar.

The status monitor screen appears to indicate the ongoing status of 'Pro-Server EX'.

🂱 Pro-Studio EX 🛛 AGP.npx		
File Edit Tool Programming Assist	Setting Help	
💋 Start ン 🟹 Node	>> ≽ Symbol >> ≷ Feature >> 📄 Save >> 🆄 Transfer	Monitor
Status Monitor	Pro-ServerEX Status of this PC	
Device Monitor	Duration with Diracle Materials Desired Eth	Data d
Symbol Monitor	Running with Blank Network Project File	Reload
		Stop Pro-Server EX
Log Viewer		
Device Access Log	Network Project being loaded by Pro-Server EX	
	Build No	
	Network Project being opened with Pro-Server EX	
	C:\Documents and Settings\mhori\Desktop\AGP.npx	
	Build No. 2	

**NOTE** • To perform device monitoring, 'Pro-Server EX' should be operating. When 'Pro-Server EX' is under suspension, click the [Start Pro-Server EX] button to start the operation.

Save >> 🆄 Transfer	Monitor Status
Project File	Reload
	Stop Pro-Server EX

**2** Click the [Device Monitor] button.

🂱 Pro-Studio EX 🛛 AGP.npx	
File Edit Tool Programming Assist S	etting Help
Start >> 🟹 Node 2	Symbol
Status Monitor	Dro SonvorE
Device Monitor	
Symbol Monitor	[Running w
Log Viewer	
🛄 Device Access Log	Network Project bei



The device monitor screen appears.

**3** Click the list button of [Entry Node] and select a node having a monitoring device.

👼 Device - Monitor of Pro-Server EX		_ 🗆 🗵
Node PC1 Device/PLC #INTERNAL Device Address	<b>-</b>	
PCI Data type AGP1 32Bit Float Double String Set		
© Signed Dec. C Hex C BCD		
Polling time 1000ms Time expended for read Time expended for write	5Tart	

4 Click the list button of [Device/PLC] and select a Device/PLC having a monitoring device.

興 Device - Monitor of Pro-Server EX		_ 🗆 🗙
Node AGP1   Device/PLC #INTERNAL  Device Address	•	
Data type Bit 16Bit 32Bit FIPLC1 String Set		
Signed Dec. C Unsigned Dec. C Hex C BLD	Start	
Polling time 1000ms Time expended for read Time expended for write		

5 Input directly the address of the monitoring device in [Device], or click the list button to select the symbol.

🛄 Device - Monitor of Pi	ro-Server EX			- <b>D</b> ×
Node AGP1	Device/PLC PLC1	Device Address	<u> </u>	•
Data type Bit Signed Dec. Polling time 1000ms	16Bit 32Bit Float C C Unsigned Dec. C Hex Time expended for read	Couble String Set	- Local symol sheet - Sheet Sheet3 - Symbol7	

6 Select the data type and format to be displayed and click the [Start] button.

👼 Device - Monitor of Pr	o-Server EX				_ 🗆 ×
Node AGP1	Device/PLC PLC1	Device Address	6heet3.Symbol2	<b>T</b>	
Data type Bit Gigned Dec.	16Bit 32Bit Float Doubl	e String Set	ſ	Start	
Polling time 1000ms	Time expended for read 366ms	Time expended for write		k}	

Device values are displayed according to the screen size with the specified device address (symbol) at the top.

Address	+00	+01	+02	+03	+04	+05	+06	+07	+08	
DM0050	60	70	80	90	100	105	1	1	1	
DM0059	1	0	0	0	0	0	0	0	0	
DM0068	0	0	100	200	300	0	0	0	0	
DM0077	0	0	0	23	223	521	345	0	0	
DM0086	0	0	0	0	23	223	521	345	0	
DM0095	0	0	0	0	0	133	149	0	69	
DM0104	96	0	0	0	0	0	142	23	23	
DM0113	23	0	0	0	0	0	0	0	0	
DM0122	0	0	0	0	0	35	0	0	0	
DM0131	0	0	0	0	0	0	0	0	0	
DM0140	0	0	0	0	0	0	0	0	0	
DM0149	0	6	6	36	22	45	0	0	0	
DM0158	0	0	0	0	0	0	0	0	0	
DM0167	0	0	0	0	0	0	0	0	0	
DM0176	0	0	0	0	0	0	0	0	0	
DM0185	0	0	0	0	0	0	0	0	0	
DM0194	0	0	0	0	0	0		13	18	

**NOTE** • Data type and format can be changed while device values are displayed.

Refer to "27.3.3 Setting Guide" for more details about the screen.

## 27.3.2 Writing Device Data

This feature allows you to write device data on the device monitor screen.

1 On the device monitor screen, double-click the device to write data in.

Address	+00	+01	+02	+03	+04
DM0050	60	<u> </u>	80	90	100
DM0059	1	0 1	0	0	0
DM0068	8	hç 0	100	200	300
DM0077	0	0	0	23	223
DM0086	0	0	0	0	23

The device data write screen appears.

		M0060		×	
		1 0	Address Hold	1	
Address	+00			+03	+04
DM0050	60			90	100
DM0059	1[	0	0	0	0
DM0068	0	0	100	200	300
DM0077	0	0	0	23	223
DM0086	0	0	0	0	23

2 Enter a value in the text box, and press the ENTER key to fix the value.

	DMOC	60	i i i i i i i i i i i i i i i i i i i	×	
	1	0	Address Hold	1	
Address	+00 10			+03	+04
DM0050	60			90 🚽	100
DM0059	1	0	0	0	0
DM0068	0	0	100	200	300
DM0077	0	0	0	23	223
DM0086	0	0	0	0	23

After pressing it, the write screen switches to that of the next device for continuous writing.

NOTE	Click the [Address Hold] button to continue to write data to the same device.
· · ·	To write data collectively to sequential devices, separate each value with a space when entering
	values.
	Data of input number will be written into the device.
	(Example) If you enter "1 2 3", then "1", "2" and "3" are written to the sequential devices.
•	Enclose a character string using the bracket [ ] to specify the characters with hexadecimal code.
	(Example) abc[0D] is handled equally as 0x61,0x62,0x63,0x0D specified in binary code.
	To specify [, enclose [[] and [ in [ ].