

## 21.1.8 MICREX-SX (Ethernet) (IEC Mode)

### Communication Setting

#### Editor

Make the following settings on the editor. For more information, see "1.3.2 Ethernet Communication".

- IP address for the V9 unit
  - When specified on the screen program:  
[System Setting] → [Hardware Setting] → [Local Port IP Address]
  - When specified on the V9 unit:  
Local mode → [LAN Setting]
- Port number for the V9 unit (for communication with PLC)  
[System Setting] → [Hardware Setting] → [PLC Properties] → [Communication Setting]
- IP address and port number of the PLC  
Register on the [PLC Table] in [System Setting] → [Hardware Setting] → [PLC Properties] → [Target Settings].  
SPH: The PLC port number is "Self port standard No." plus 251 set on the PLC.  
SPF: The PLC port number must be the same number as the one set by "Loader Command Receive Port No." on the PLC.

#### PLC (Ethernet Parameter Setting)

The table below shows settings required for communication with the V9.

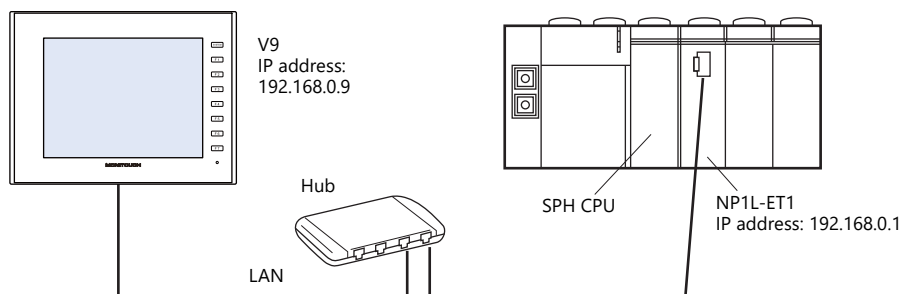
(Underlined setting: default)

Item	Setting	Remarks
IP Address	<u>192.168.0.1</u>	
Subnet Mask	<u>255.255.255.0</u>	
Self-port Standard No.	<u>256</u>	SPH
Loader Command Receive Port No.	<u>507</u>	SPF

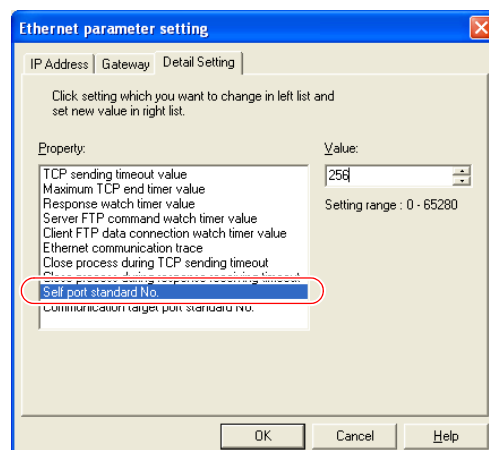
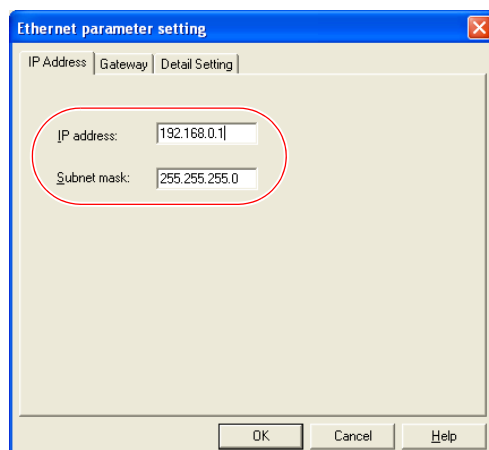
For more information on other setting items, refer to the PLC manual issued by the manufacturer.

#### Setting Example

The following example shows the setting for communication between MICREX-SX ET1 module and the V9 unit via Ethernet.

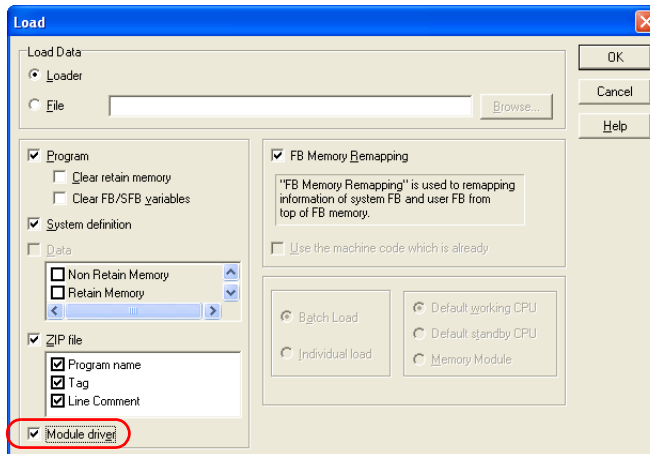


#### Setting on the PLC loader

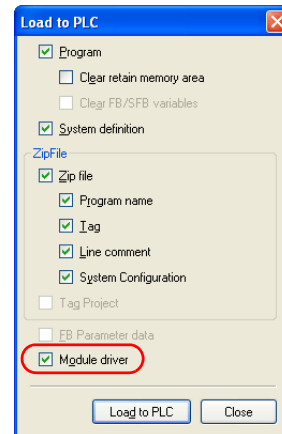


When the Ethernet module is used, the module driver must be transferred to the PLC.  
To transfer it to the PLC, check [Module driver] on the relevant PLC transfer setting dialog.

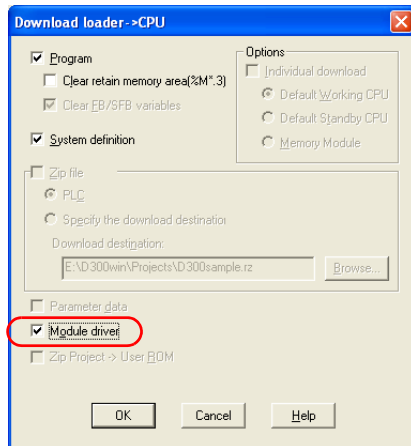
- SX Programmer Standard Ver. 2



- SX Programmer Standard Ver. 3

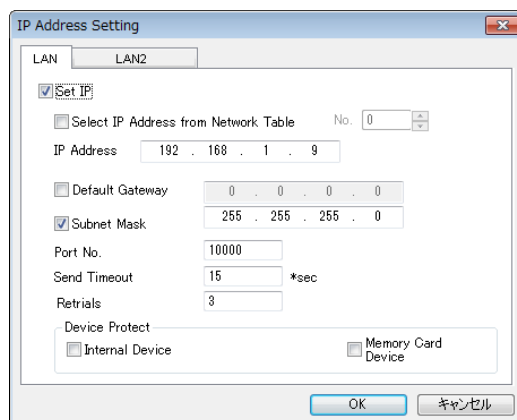


- D300win

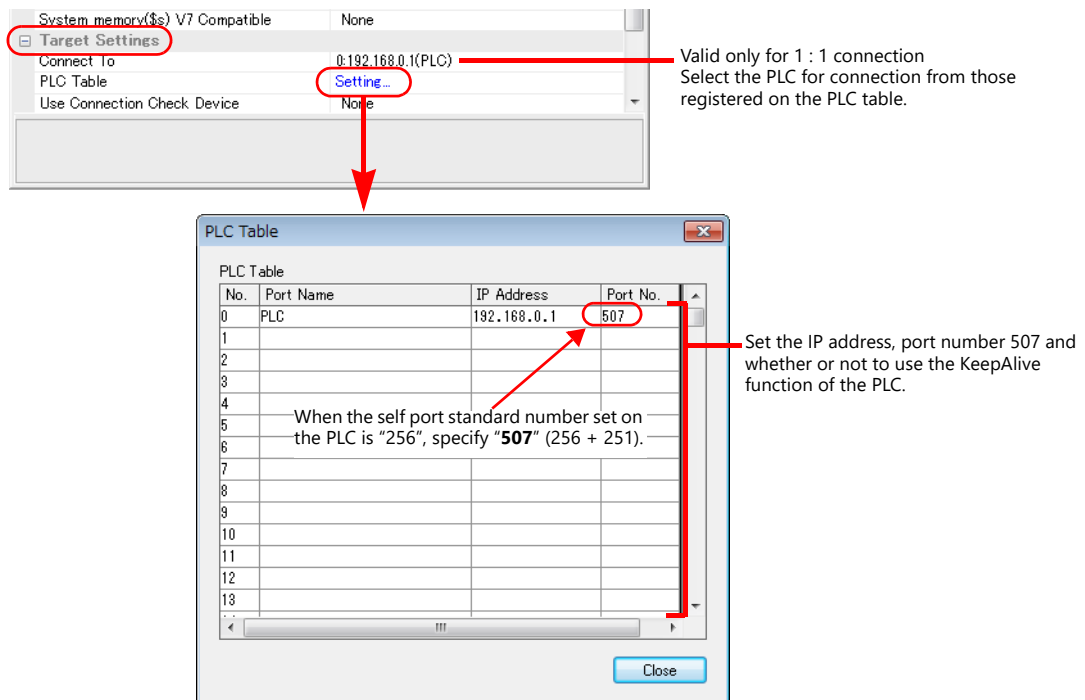


### Settings on the editor

- IP address setting for the V9 unit (on the editor)  
[System Setting] → [Hardware Setting] → [Local Port IP Address]



- PLC Table  
[System Setting] → [Hardware Setting] → [PLC Properties] → [Target Settings] → [PLC Table]



## Available Device Memory

The available device memory is the same as the one described in "21.1.4 MICREX-SX SPH/SPB/SPM/SPE/SPF Series (IEC Mode)".

## PLC\_CTL

Macro command "PLC\_CTL F0 F1 F2"

Contents	F0	F1 (= \$u n)		F2
All start	1 - 8 (PLC1 - 8)	n	Station number: 00H to FFH <sup>*1</sup>	2
		n + 1	Command: 0400H	
All stop	1 - 8 (PLC1 - 8)	n	Station number: 00H to FFH <sup>*1</sup>	2
		n + 1	Command: 0402H	
Operation / standby switching <sup>*2</sup>	1 - 8 (PLC1 - 8)	n	Station number: 00H to FFH <sup>*1</sup>	3
		n + 1	Command: 040BH	
		n + 2	CPU No. operated by default: m (0, 2, 4, 6)	

<sup>\*1</sup> Valid only when "1 : n" connection mode is selected under [Communication Setting] in the [PLC Properties] window ([System Setting] → [Hardware Setting]).  
For the station number, set the PLC table number under [Target Settings] in the [PLC Properties] window ([System Setting] → [Hardware Setting]).

<sup>\*2</sup> Valid only for a redundant system.

## 21.1.9 MICREX-SX (Ethernet) (N Mode / F Mode)

### Communication Setting

The communication setting is the same as the one described in "21.1.8 MICREX-SX (Ethernet) (IEC Mode)".

### Available Device Memory

The available device memory is the same as the one described in "21.1.5 MICREX-SX SPH/SPB/SPM/SPE/SPF Series (N Mode / F Mode)".

### PLC\_CTL

The macro command is the same as the one described in "21.1.8 MICREX-SX (Ethernet) (IEC Mode)".