



# PRODUCT

USE INSTRUCTIONS

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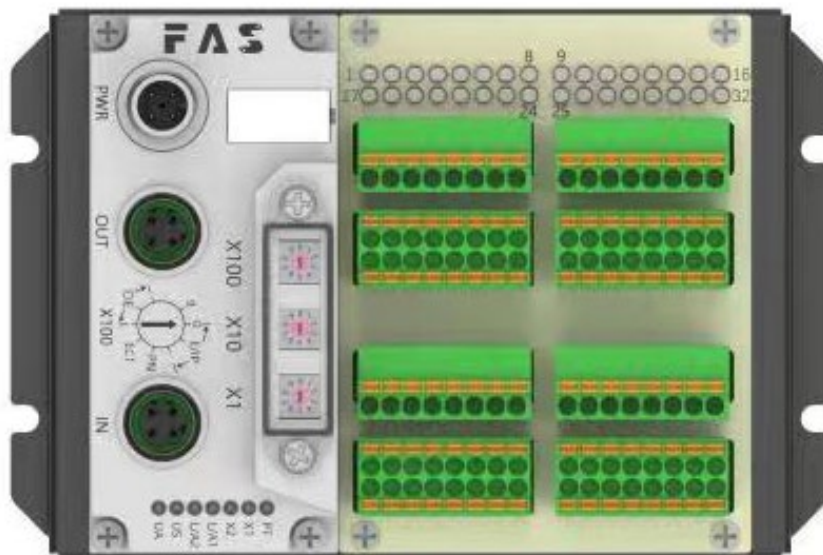
**Ordering code: 009B51**

**Part number: FNI MPL-106-006-K54**

# FNI MPL-106-006-K54

32 DI/DO NPN

## IP20 module user manual



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## ■ Expected use

This manual describes as decentralized input and output modules for connecting to an industrial network.

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## ■ Installation and start-up

Precautions!

Installation and start-up may only be performed by trained personnel. A qualified individual is one who is familiar with the installation and operation of the product and has the necessary qualifications to perform such operations. Any damage caused by unauthorized operation or illegal and improper use is not covered by the manufacturer's warranty. The equipment operator is responsible for ensuring that appropriate safety and accident prevention regulations are observed.

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## ■ Corrosion resistance

Precautions!

FNI modules generally have good chemical and oil resistance. When used in corrosive media (e.g. high concentrations of chemicals, oils, lubricants, coolants and other material media (i.e. very low water content), these media must be checked before the corresponding application material compatibility. If a module fails or is damaged due to this corrosive medium, a defect claim cannot be made.

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## ■ Dangerous voltage

Precautions!

Disconnect all power before using the device!

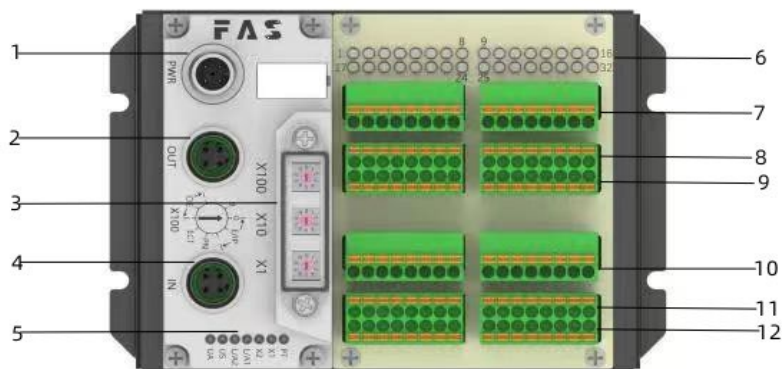
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## ■ General security

| Debugging and inspection                                                                                                  | Fault                                                                                                                                                          | Owner/operator obligations                                                                                                                                                                                          | Expected use                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Before debugging, read the user manual carefully.                                                                         | If the defect or equipment failure cannot be corrected, the operation of the equipment must be stopped to avoid damage that may be caused by unauthorized use. | This equipment is an EMC Class A compliant product.<br>This device produces RF noise.                                                                                                                               | <p>The warranty and limited liability statement provided by the manufacturer does not cover damage caused by:</p> <ul style="list-style-type: none"> <li>·Unauthorized tampering</li> <li>·Improper use operation</li> </ul> <p>·The instructions provided in the user manual explain the use, installation and handling of discrepancies</p> |
| This system cannot be used in an environment where the safety of personnel depends on the functionality of the equipment. | Only after the housing is fully installed can the intended use be assured.                                                                                     | <p>The owner/operator must take appropriate precautions to use this equipment.</p> <p>This device can only use the power supply that matches this device, and can only connect cables approved for application.</p> |                                                                                                                                                                                                                                                                                                                                               |

# 1. Getting Started Guide

## 1.1 Module overview



- 1 Power supply interface
- 2 Network output port
- 3 DIP switch
- 4 Network input port
- 5 Module status indicator
- 6 Signal status indicator

- 7 Sensor actuator power supply +24V
- 8 1-16 signal interface
- 9 Sensor actuator power supply 0V
- 10 Sensor actuator power supply +24V
- 11 17-32 signal interface
- 12 Sensor actuator power supply 0V

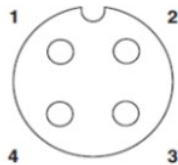
## 1.2 Mechanical connection

The module is installed using 4 M4 bolts or DIN35 rail snaps.

## 1.3 Electrical connection

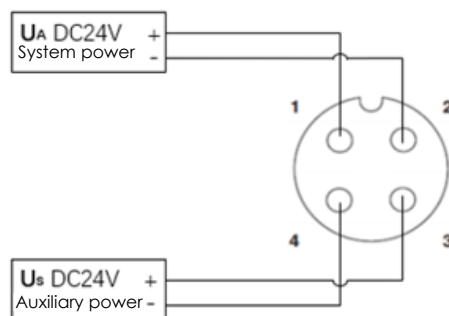
### 1.3.1 Power interface (A-coded)

Power port definition



| Pin | Function | Description |
|-----|----------|-------------|
| 1   | Ua+      | +24V(Brown) |
| 2   | Ua-*     | 0V(White)   |
| 3   | Us+      | +24V(Blue)  |
| 4   | Us-*     | 0V(Black)   |

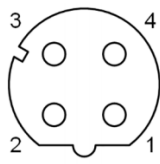
Power port



Note:

1. It is recommended to provide US power supply and UA power supply separately.
2. The total current of Actuator power supply is <4A, and the total current of Bus power supply is <1A;
3. The FE connection from the housing to the machine must be low impedance and kept as short as possible.

### 1.3.2 Network interface (D-coded)

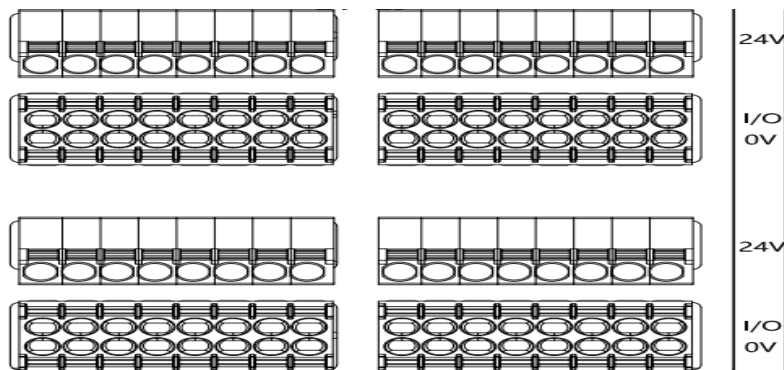


| Pin | Function |               |
|-----|----------|---------------|
| 1   | Tx+      | Send data+    |
| 2   | Rx+      | Receive data+ |
| 3   | Tx-      | send data-    |
| 4   | Rx-      | Receive data- |

Note:

Unused I/O port sockets must be covered with end caps to meet IP67 protection rating

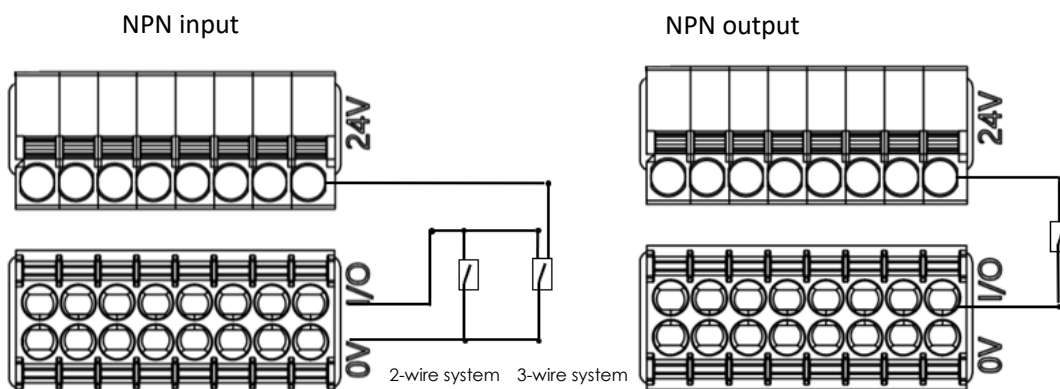
### 1.3.3 Signal port (screw-free spring-type terminal block)



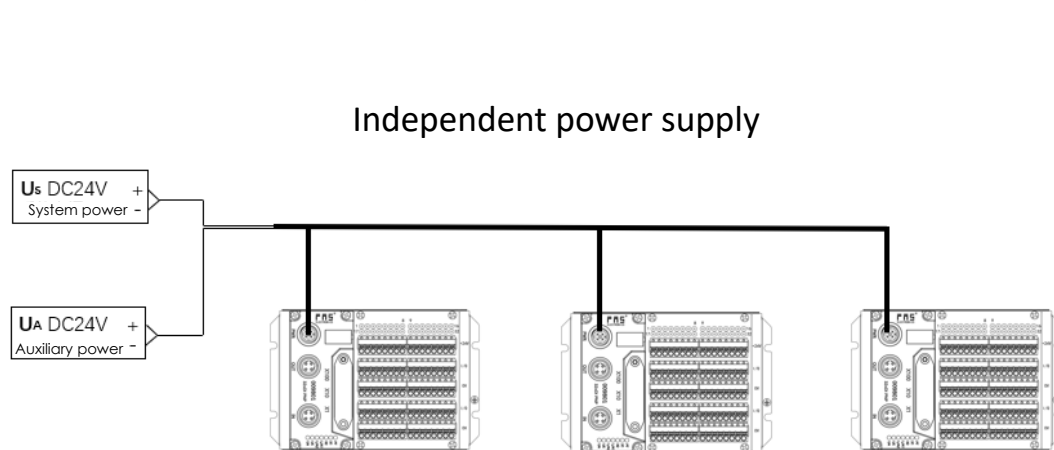
Note:

1. Input and output signal types supported: three-wire NPN, two-wire NPN, dry contact;
2. Pin +24V single-channel output current maximum 350mA. The total module current is <4A;
3. The total current of each 8 channels (1~8, 9~16, 17~24, 25~32) is <1A

#### Normal I/O



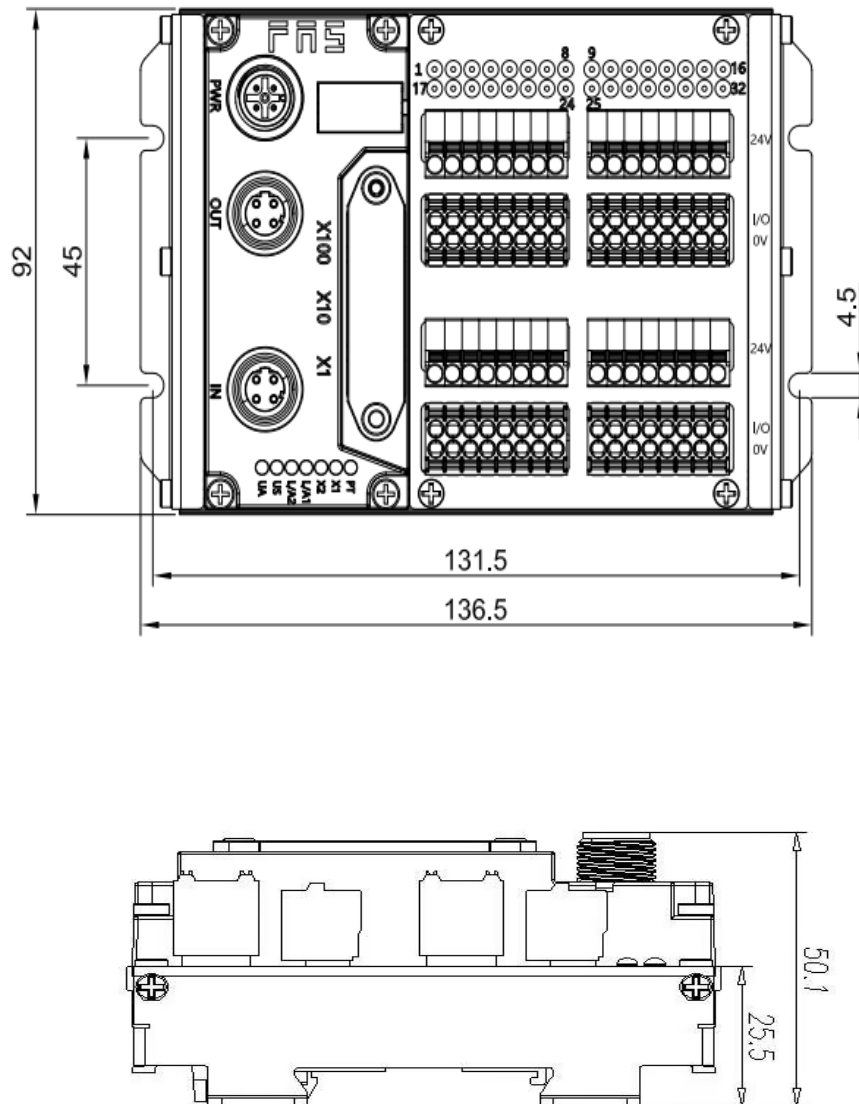
### 1.3.4 IP20 module wiring method



In independent power supply mode, the maximum current of each module can reach 4A.

## 2. Technical data

### 2.1 Size



### 2.2 Mechanical data

|                                       |                                              |
|---------------------------------------|----------------------------------------------|
| Shell material                        | Aluminum shell                               |
| Housing rating according to IEC 60529 | IP20                                         |
| Power interface                       | A-Coded                                      |
| Input port/output port                | Pluggable screw-free quick connect terminals |
| Size(W*H*D)                           | 136.5mm*92mm*50.1mm                          |
| Installation type                     | Screw fixing or DIN35 rail mounting          |
| Weight                                | About 670g                                   |

## 2.3 Operating conditions

|                       |              |
|-----------------------|--------------|
| Operating temperature | -5°C ~ 80°C  |
| Storage temperature   | -25°C ~ 85°C |

## 2.4. Electrical data

|                                                |                                 |
|------------------------------------------------|---------------------------------|
| Voltage                                        | 18~30V DC, conform to EN61131-2 |
| Voltage fluctuation                            | <1%                             |
| Input current when power supply voltage is 24V | <130mA                          |

## 2.5 Network port

|                                  |                                                                  |
|----------------------------------|------------------------------------------------------------------|
| Port                             | 2 x 10Base-/100Base-Tx                                           |
| Port connection                  | M12, D-Coded                                                     |
| IEEE 802.3 compliant cable types | Shielded twisted pair, minimum STP CAT 5/STP CAT 5e              |
| Data transfer rate               | 10/100Mbit/s                                                     |
| Maximum cable length             | 100m                                                             |
| Flow control                     | Half working condition/full working condition (IEEE 802.3-PAUSE) |

## 2.6 Function indicator



|    |        |                                               |
|----|--------|-----------------------------------------------|
| PT | Green  | EtherNet/IP communication protocol            |
|    | Yellow | ProfiNet communication protocol               |
|    | White  | CC-Link IE Field basic communication protocol |

#### CIEBS communication protocol module status

| LED  | Show                      | Function                                    |
|------|---------------------------|---------------------------------------------|
| X1   | Green light off           | Module not connected                        |
|      | Green light flashes 2.5HZ | Module has no communication                 |
|      | Green light flashes 1HZ   | Module not configured                       |
|      | Steady green              | Running: The device is running              |
| X2   | Closure                   | Module works fine                           |
|      | Red light always on       | Communication error                         |
| L/A1 | Green light is always on  | Device (IN) connected to Ethernet           |
|      | Yellow light flashes      | Device (IN) sends/receives Ethernet frames  |
|      | green close               | Device (IN) is not connected to Ethernet    |
| L/A2 | Green light is always on  | Device (OUT) connected to Ethernet          |
|      | Yellow light flashes      | Device (OUT) sends/receives Ethernet frames |
|      | Green close               | Device (OUT) is not connected to Ethernet   |
| US   | Green                     | Input voltage is normal                     |
|      | Flashing red              | Input voltage low (< 18 V)                  |
| UA   | Green                     | Output voltage is normal                    |
|      | Flashing red              | Output voltage low (< 18 V)                 |
|      | Red always on             | No output voltage present (< 11 V)          |

#### PN communication protocol module status

| LED  | Show                     | Function                                                             |
|------|--------------------------|----------------------------------------------------------------------|
| X1   | Closure                  | Working fine                                                         |
|      | Flashing red 3s 1HZ      | Bus start                                                            |
|      | Red always on            | System error                                                         |
| X2   | Closure                  | Working fine                                                         |
|      | Flashing red 2HZ         | No data exchange                                                     |
|      | Red always on            | No configuration; or low speed physical link;<br>or no physical link |
| L/A1 | Green light is always on | Device (IN) connected to Ethernet                                    |
|      | Yellow light flashes     | Device (IN) sends/receives Ethernet frames                           |
|      | Green close              | Device (IN) is not connected to Ethernet                             |

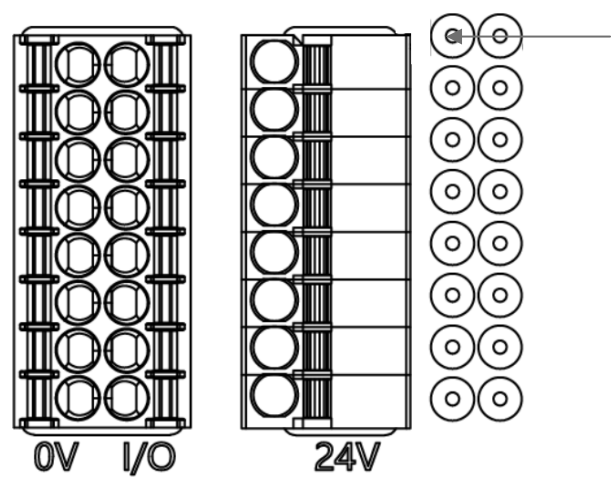
|      |                          |                                             |
|------|--------------------------|---------------------------------------------|
| L/A2 | Green light is always on | Device (OUT) connected to Ethernet          |
|      | Yellow light flashes     | Device (OUT) sends/receives Ethernet frames |
|      | Green close              | Device (OUT) is not connected to Ethernet   |
| US   | Green                    | Input voltage is normal                     |
|      | Flashing red             | Input voltage low (< 18 V)                  |
| UA   | Green                    | Output voltage is normal                    |
|      | Flashing red             | Output voltage low (< 18 V)                 |
|      | Red always on            | No output voltage present (< 11 V)          |

#### EIP communication protocol module status

| LED | Show                                      | Function                                             |
|-----|-------------------------------------------|------------------------------------------------------|
| X1  | Green light is always on                  | Working status: The equipment is running normally    |
|     | Green light flashes 1HZ                   | Standby: The device is not configured                |
|     | Flashing green, red and green alternately | Self-test: The device is undergoing a power-on test. |
|     | Flashing red 1HZ                          | Recoverable faults:                                  |
|     | Red light always on                       | Unrecoverable failure                                |
|     | Closure                                   | US no input voltage                                  |
| X2  | Green light is always on                  | Connected                                            |
|     | Green light flashes 1HZ                   | Not connected:                                       |

|      |                                    |                                                      |
|------|------------------------------------|------------------------------------------------------|
|      | Flashing green and red alternately | Self-test: The device is undergoing a power-on test. |
|      | Red light flashes 1HZ              | Connection timed out                                 |
|      | Red light always on                | Duplicate IP:                                        |
|      | Closure                            | USNo input voltage or no IP address                  |
| L/A1 | Green light is always on           | Device (IN) connected to Ethernet                    |
|      | Yellow light flashes               | Device (IN) sends/receives Ethernet frames           |
|      | Green close                        | Device (IN) is not connected to Ethernet             |
| L/A2 | Green light is always on           | Device (OUT) connected to Ethernet                   |
|      | Yellow light flashes               | Device (OUT) sends/receives Ethernet frames          |
|      | Green close                        | Device (OUT) is not connected to Ethernet            |
| US   | Green                              | Input voltage is normal                              |
|      | Flashing red                       | Input voltage low (< 18 V)                           |
| UA   | Green                              | Output voltage is normal                             |
|      | Flashing red                       | Output voltage low (< 18 V)                          |
|      | Red always on                      | No output voltage present (< 11 V)                   |

I/O port status



| LED | Status  | Function                                      |
|-----|---------|-----------------------------------------------|
| 1   | Closure | The status of an I/O pin input or output is 0 |
| 1   | Yellow  | The status of an I/O pin input or output is 1 |

## 3.Integrated

### 3.1 Module configuration

#### 3.1.1 Restoring factory settings and switching communication protocols

LED indicator light PT color indicates the current protocol

| Steps:<br>1.<br>When<br>device | Serial<br>number | X100 | X10 | X1  | letter of agreement | PT           | the<br>is |
|--------------------------------|------------------|------|-----|-----|---------------------|--------------|-----------|
|                                | 1                | 0~2  | 0~9 | 0~9 | ETHERNET/IP         | Green light  |           |
|                                | 2                | 3    | —   | —   | PROFINET            | Orange light |           |
|                                | 3                | 5~7  | 0~9 | 0~9 | CIEBS               | White        |           |

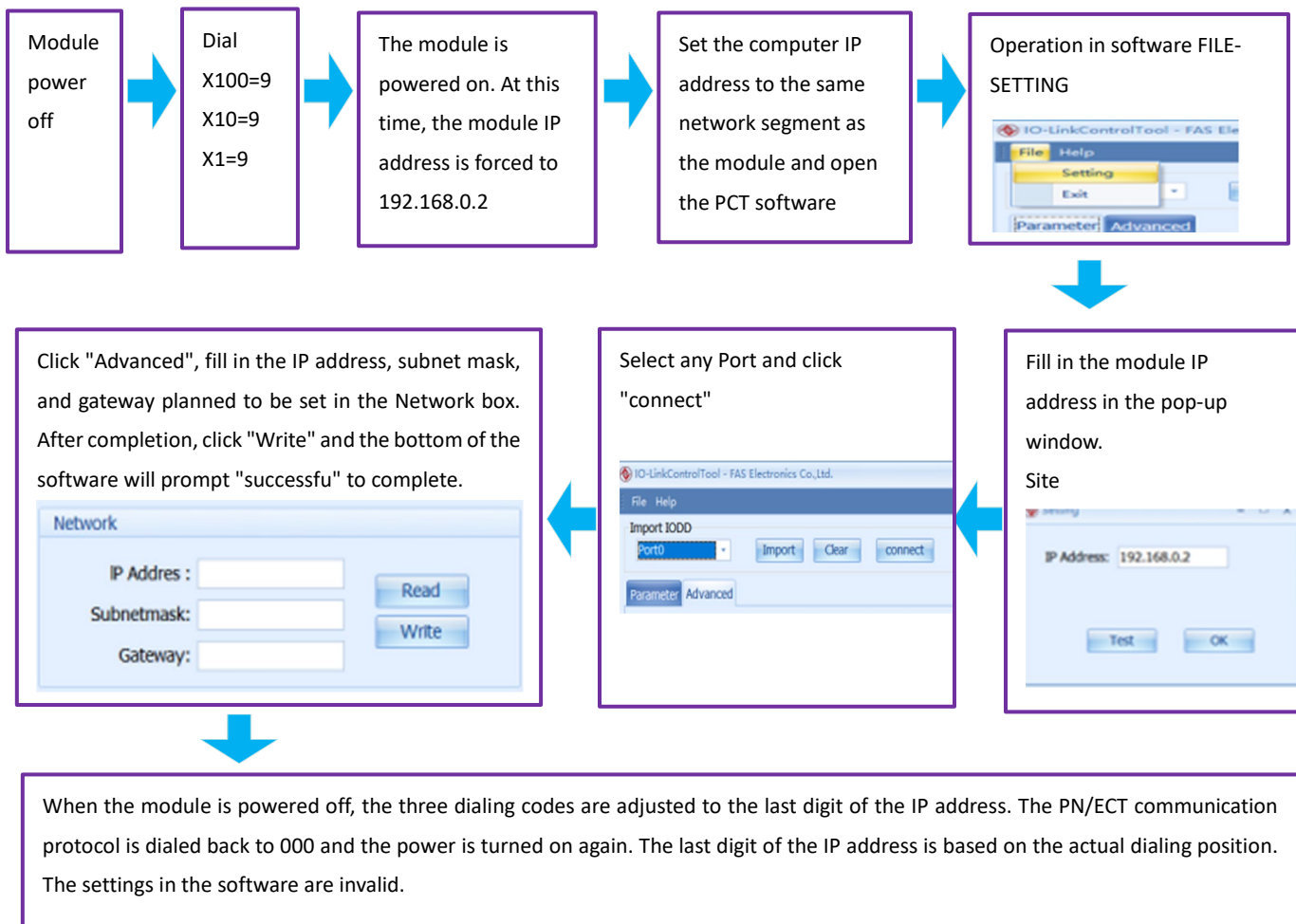
powered off, dial 900;

2. Power on the device and wait 5 seconds;

3. When the device is powered off, dial the code according to different protocols and the last digit of IP (can be set directly);

4. Power on the device and wait 30 seconds until the PF light turns to the corresponding protocol color;

### 3.1.2 Network segment modification (**only applicable to EIP, CCIEBS**)



### 3.2 Data mapping

| EIP communication protocol process output data |                                    |          |          |                   |                   |                          |                        |                        |          |
|------------------------------------------------|------------------------------------|----------|----------|-------------------|-------------------|--------------------------|------------------------|------------------------|----------|
| Byte                                           | Function description               |          |          |                   |                   |                          |                        |                        |          |
|                                                | Function description               | Bit7     | Bit6     | Bit5              | Bit4              | Bit3                     | Bit2                   | Bit1                   | Bit0     |
| 0                                              | 1~8 signal output<br>0=off, 1=on   | Route 8  | Route 7  | Route 6           | Route 5           | Route 4                  | Route 3                | Route 2                | Route 1  |
| 1                                              | 9~16 signal output<br>0=off, 1=on  | Route 16 | Route 15 | Route 14          | Route 13          | Route 12                 | Route 11               | Route 10               | Route 9  |
| 2                                              | 16~24 signal output<br>0=off, 1=on | Route 24 | Route 23 | Route 22          | Route 21          | Route 20                 | Route 19               | Route 18               | Route 17 |
| 3                                              | 25~32 signal output<br>0=off, 1=on | Route 32 | Route 31 | Route 30          | Route 29          | Route 28                 | Route 27               | Route 26               | Route 25 |
| EIP communication protocol process input data  |                                    |          |          |                   |                   |                          |                        |                        |          |
| Byte                                           | Function description               |          |          |                   |                   |                          |                        |                        |          |
|                                                | Function description               | Bit7     | Bit6     | Bit5              | Bit4              | Bit3                     | Bit2                   | Bit1                   | Bit0     |
| 0                                              | 1~8 signal input<br>0=off, 1=on    | Route 8  | Route 7  | Route 6           | Route 5           | Route 4                  | Route 3                | Route 2                | Route 1  |
| 1                                              | 9~16 signal input<br>0=off, 1=on   | Route 16 | Route 15 | Route 14          | Route 13          | Route 12                 | Route 11               | Route 10               | Route 9  |
| 2                                              | 16~24 signal input<br>0=off, 1=on  | Route 24 | Route 23 | Route 22          | Route 21          | Route 20                 | Route 19               | Route 18               | Route 17 |
| 3                                              | 25~32 signal input<br>0=off, 1=on  | Route 32 | Route 31 | Route 30          | Route 29          | Route 28                 | Route 27               | Route 26               | Route 25 |
| 4                                              | Module status                      |          |          | US<br>Overvoltage | UA<br>Overvoltage | Operating<br>temperature | US<br>Under<br>voltage | UA<br>Under<br>voltage | US 过压    |

## PN communication protocol process output data

| Byte | Function description    |          |          |          |          |          |          |          |          |
|------|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
|      | Function description    | Bit7     | Bit6     | Bit5     | Bit4     | Bit3     | Bit2     | Bit1     | Bit0     |
| 0    | Standardinput<br>01-08  | Route 8  | Route 7  | Route 6  | Route 5  | Route 4  | Route 3  | Route 2  | Route 1  |
| 1    | Standardinput<br>9-16   | Route 16 | Route 15 | Route 14 | Route 13 | Route 12 | Route 11 | Route 10 | Route 9  |
| 2    | Standardoutput<br>17-24 | Route 24 | Route 23 | Route 22 | Route 21 | Route 20 | Route 19 | Route 18 | Route 17 |
| 3    | Standardoutput<br>25-32 | Route 32 | Route 31 | Route 30 | Route 29 | Route 28 | Route 27 | Route 26 | Route 25 |

## PN communication protocol process input data

| Byte | Function description    |          |          |          |          |          |          |          |          |
|------|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
|      | Function description    | Bit7     | Bit6     | Bit5     | Bit4     | Bit3     | Bit2     | Bit1     | Bit0     |
| 0    | Standardinput<br>01-08  | Route 8  | Route 7  | Route 6  | Route 5  | Route 4  | Route 3  | Route 2  | Route 1  |
| 1    | Standardinput<br>9-16   | Route 16 | Route 15 | Route 14 | Route 13 | Route 12 | Route 11 | Route 10 | Route 9  |
| 2    | Standardoutput<br>17-24 | Route 24 | Route 23 | Route 22 | Route 21 | Route 20 | Route 19 | Route 18 | Route 17 |
| 3    | Standardoutput<br>25-32 | Route 32 | Route 31 | Route 30 | Route 29 | Route 28 | Route 27 | Route 26 | Route 25 |

## PN communication protocol process detection data

| Module        | Function description |      |      |      |                   |                   |                          |                        |                        |
|---------------|----------------------|------|------|------|-------------------|-------------------|--------------------------|------------------------|------------------------|
|               | Status description   | Bit7 | Bit6 | Bit5 | Bit4              | Bit3              | Bit2                     | Bit1                   | Bit0                   |
| Device Status | Module status        |      |      |      | US<br>Overvoltage | UA<br>Overvoltage | Operating<br>temperature | US<br>Under<br>voltage | UA<br>Under<br>voltage |

# RX area

| CIEBS communication protocol process input data |          |          |          |          |          |          |          |          |
|-------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Function description                            |          |          |          |          |          |          |          |          |
| Function description                            | X107     | X106     | X105     | X104     | X103     | X102     | X101     | X100     |
| 1~8 signal input<br>0=off, 1=on                 | Route 8  | Route 7  | Route 6  | Route 5  | Route 4  | Route 3  | Route 2  | Route 1  |
| Function description                            | X117     | X116     | X115     | X114     | X113     | X112     | X111     | X110     |
| 9~16 signal input<br>0=off, 1=on                | Route 16 | Route 15 | Route 14 | Route 13 | Route 12 | Route 11 | Route 10 | Route 9  |
| Function description                            | X127     | X126     | X125     | X124     | X123     | X122     | X121     | X120     |
| 17~24 signal input<br>0=off, 1=on               | Route 24 | Route 23 | Route 22 | Route 21 | Route 20 | Route 19 | Route 18 | Route 17 |
| Function description                            | X137     | X136     | X135     | X134     | X133     | X132     | X131     | X130     |
| 24~31 signal input<br>0=off, 1=on               | Route 32 | Route 31 | Route 30 | Route 29 | Route 28 | Route 27 | Route 26 | Route 25 |

## Ry area

| CIEBS communication protocol process output data |          |          |          |          |          |          |          |          |
|--------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Function description                             |          |          |          |          |          |          |          |          |
| Function description                             | Y107     | Y106     | Y105     | Y104     | Y103     | Y102     | Y101     | Y100     |
| 1~8 signal output<br>0=off, 1=on                 | Route 8  | Route 7  | Route 6  | Route 5  | Route 4  | Route 3  | Route 2  | Route 1  |
| Function description                             | Y117     | Y116     | Y115     | Y114     | Y113     | Y112     | Y111     | Y110     |
| 9~16 signal output<br>0=off, 1=on                | Route 16 | Route 15 | Route 14 | Route 13 | Route 12 | Route 11 | Route 10 | Route 9  |
| Function description                             | Y127     | Y126     | Y125     | Y124     | Y123     | Y122     | Y121     | Y120     |
| 17~24 signal output<br>0=off, 1=on               | Route 24 | Route 23 | Route 22 | Route 21 | Route 20 | Route 19 | Route 18 | Route 17 |
| Function description                             | Y137     | Y136     | Y135     | Y134     | Y133     | Y132     | Y131     | Y130     |
| 25~32 signal output<br>0=off, 1=on               | Route 32 | Route 31 | Route 30 | Route 29 | Route 28 | Route 27 | Route 26 | Route 25 |

## RWR area

|     |    |       |       |                                                                                     |      |   |  |    |     |     |
|-----|----|-------|-------|-------------------------------------------------------------------------------------|------|---|--|----|-----|-----|
| RWr | 32 | 00000 | 0001F |  | 指定软元 | D |  | 32 | 100 | 131 |
|-----|----|-------|-------|-------------------------------------------------------------------------------------|------|---|--|----|-----|-----|

| CIEBS communication protocol process detection data |      |      |      |                   |                   |                          |                        |                        |
|-----------------------------------------------------|------|------|------|-------------------|-------------------|--------------------------|------------------------|------------------------|
| Function description                                |      |      |      |                   |                   |                          |                        |                        |
| Function description                                | D107 | D106 | D105 | D104              | D103              | DX02                     | D101                   | D100                   |
|                                                     |      |      |      | US<br>Overvoltage | UA<br>Overvoltage | Operating<br>temperature | US<br>Under<br>voltage | UA<br>Under<br>voltage |

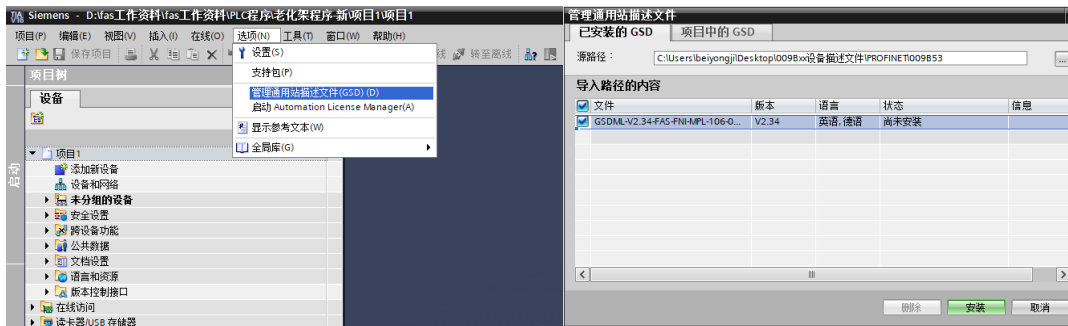
The RWW area is currently unused

## 3.3 PLC integration tutorial

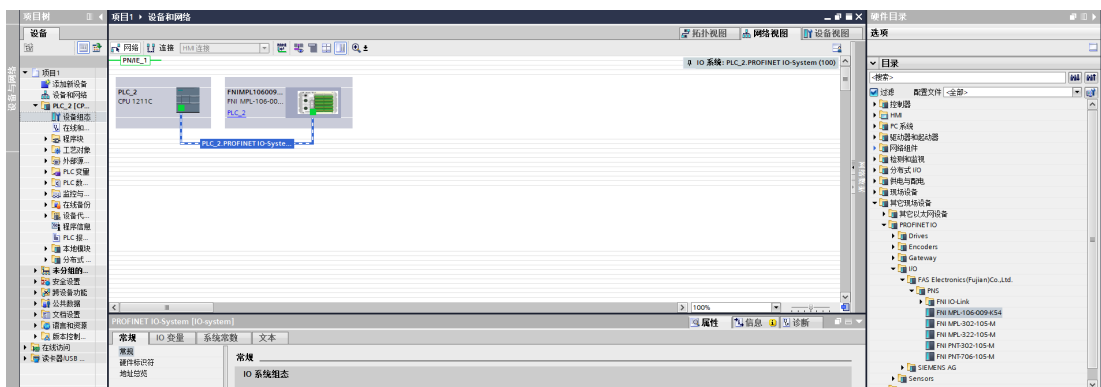
(The module communication protocol should be set before configuring the module, see 3.1.1 for details)

### 3.3.1 Siemens S7-1200 Portal Integration (PN)

#### 1. Install GSD file

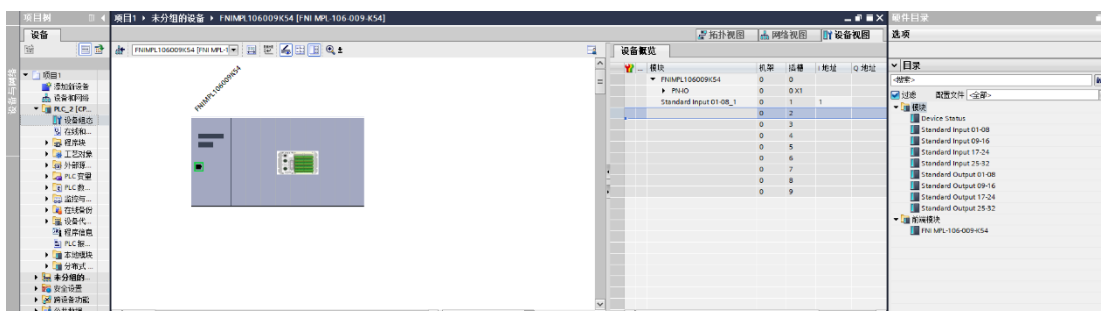


2. In PLC---Device Configuration---Network View---Hardware Catalog, select the module and drag it in, click "Unassigned", and select the PLC to be connected;

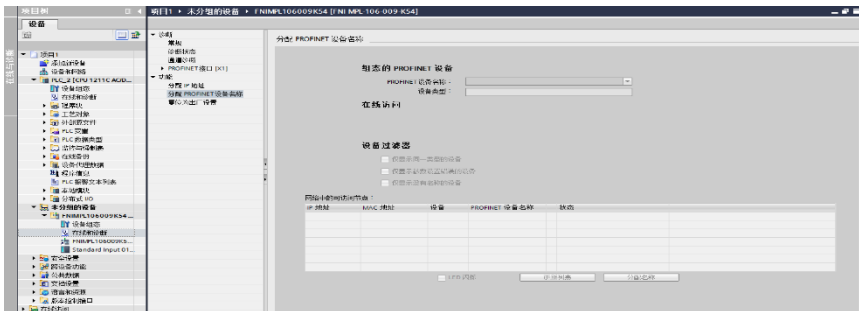


3. Double-click the module to enter the configuration.

Slot function configuration: In the hardware catalog--module, select the required data and drag it into the slot in the device overview window;



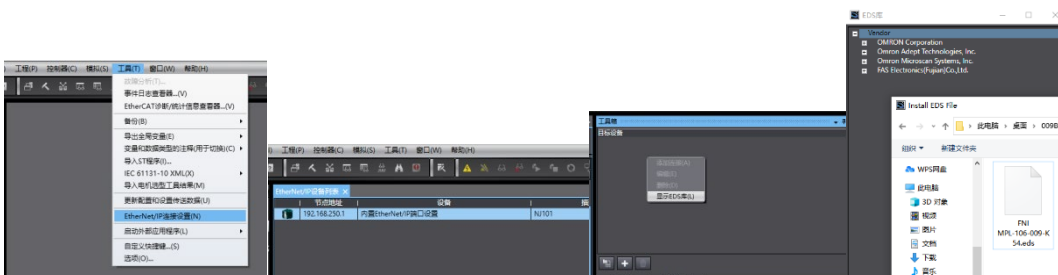
4. Assign module PN name: PLC switches to online state, select "Ungrouped Device" --- Click on the module name --- Select Online and Diagnostic --- Function --- Assign PROFINET device name --- Select the module to be assigned in the list (should be selected based on the physical MAC)---Click "Assign Name" to complete the configuration!



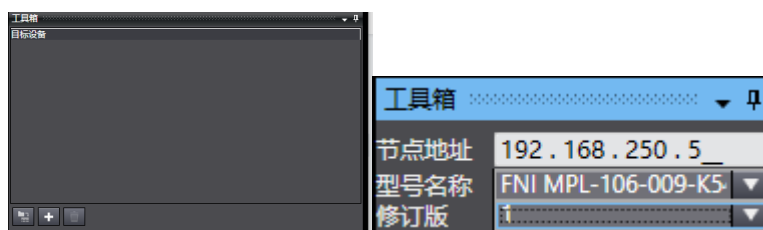
### 3.3.2 Omron NX1P2 Sysmac Studio integration (EIP)

Omron NX1P2 Sysmac Studio Integrated (EIP)

1. Install the EDS file: Tools---ETHERNET/IP Connection Settings---Double-click the PLC in the window---right-click the blank space of the toolbox on the right and select "Show EDS Library", click "Install" in the pop-up window, and select EDS File installation

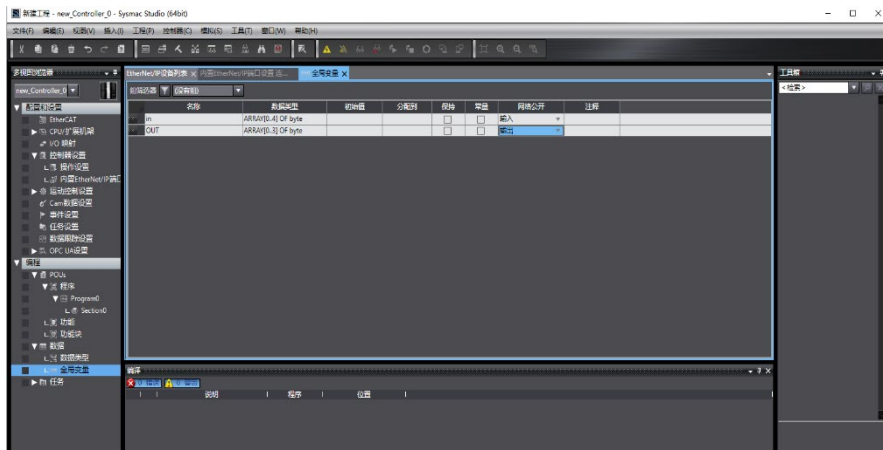


2. Create a module: Click "+" in the toolbox window, fill in the module IP address, model name, and version, click "Add" below, and the module creation is completed;

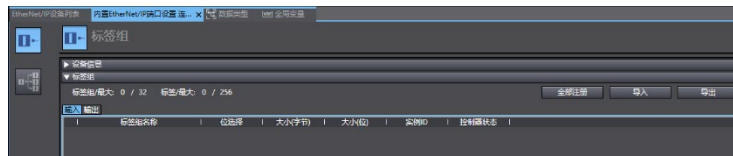


3.Create variable association:

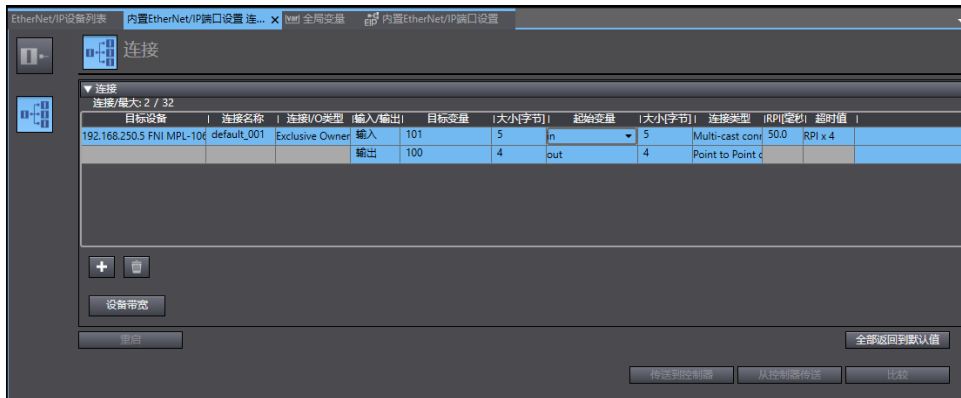
- (1) Programming--Data--Global variables create two arrays, output 4 bytes and input 5 bytes. The corresponding input and output should be configured in the network disclosure;



(2) In the built-in ETHERNET/IP port setting window--select the first icon (label) on the left---click "Register All"

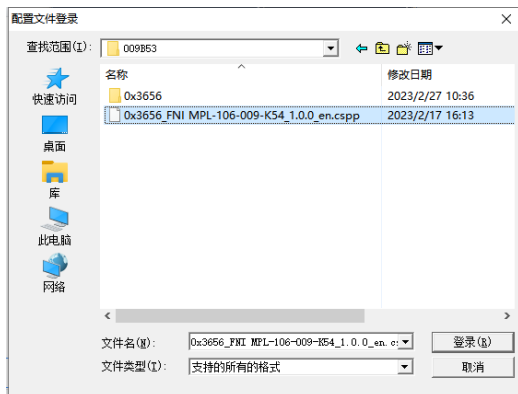


(3) In the built-in ETHERNET/IP port setting window--select the second icon on the left (connection)---click "+", select the previously configured module for the target device, select EXCLUSIVE Owner for the IO type, and select the corresponding input For output, the target variable must be filled in 101,100; then select the corresponding starting variable and go online after completion. Select "Transfer to controller" and the configuration is complete!

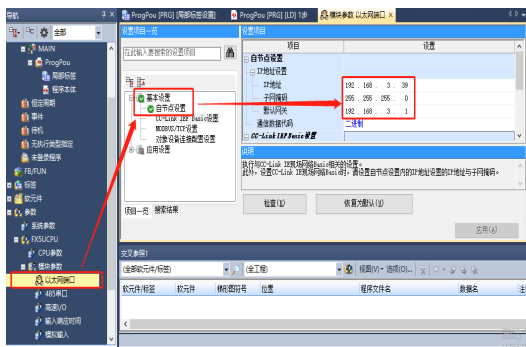


### 3.3.3 Mitsubishi FX5U Work2 Integration (CIE)

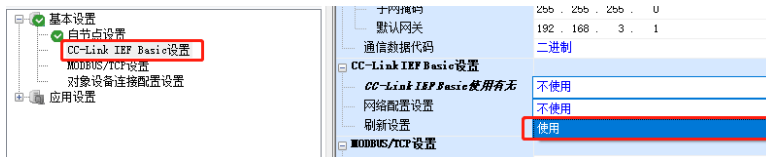
1. Install the CCSP file: First open GX WORKS 3-Tools-Configuration File Management-Login-CSPP file (the project must be closed to import the file)



2. Click Project on the left - Parameters - FX5UCPU - Module parameters - Ethernet port, Basic settings - Self-node settings. Set own node IP



3. Click CC-Link IEF Basic settings - select whether to use CC-Link IEF Basic - click Use



4. Click CC-Link IEF Basic settings-select network configuration settings-detailed settings;



5. Automatic detection of connected devices - occupies 1 station, IP address is set using DIP switch - reflects the setting and closes

| 连接设备的自动检测                                                                         |    | 链接扫描设置              |    |     |          |      |      |          |      |      |      |     |             |               |       |    |
|-----------------------------------------------------------------------------------|----|---------------------|----|-----|----------|------|------|----------|------|------|------|-----|-------------|---------------|-------|----|
| 总连接点数                                                                             |    | 1                   |    |     |          |      |      |          |      |      |      |     |             |               |       |    |
|                                                                                   | 台数 | 型号                  | 站号 | 站类型 | RX/RX+设置 |      |      | RW/RW+设置 |      |      | 组No. | 保留站 | IP地址        | 子网掩码          | MAC地址 | 注释 |
|                                                                                   |    |                     |    |     | 点数       | 起始   | 结束   | 点数       | 起始   | 结束   |      |     |             |               |       |    |
|  | 0  | 本站                  | 0  | 主站  |          |      |      |          |      |      |      |     | 192.168.3.3 | 255.255.255.0 |       |    |
|  | 1  | FNI_MPL-106-009-K54 | 1  | 从站  | 64(占用1站) | 0000 | 003F | 32       | 0000 | 001F | 1    | 无设置 | 192.168.3.1 | 255.255.255.0 |       |    |

6. To refresh the target, select the specified device-software name M-assign the device address-application, and the configuration is completed!

| 链接侧             |    |       |       |   | CPU侧 |      |    |     |     |  |
|-----------------|----|-------|-------|---|------|------|----|-----|-----|--|
| 软元件名            | 点数 | 起始    | 结束    |   | 刷新目标 | 软元件名 | 点数 | 起始  | 结束  |  |
| RX              | 64 | 00000 | 0003F | ↔ | 指定软元 | X    | 64 | 100 | 177 |  |
| RY              | 64 | 00000 | 0003F | ↔ | 指定软元 | Y    | 64 | 100 | 177 |  |
| RW <sub>r</sub> | 32 | 00000 | 0001F | ↔ | 指定软元 | D    | 32 | 100 | 131 |  |
| RW <sub>w</sub> | 32 | 00000 | 0001F | ↔ | 指定软元 | D    | 32 | 200 | 231 |  |

# 4. Appendix

## 4.1 Ordering information

|                       |               |
|-----------------------|---------------|
| Product ordering code | Ordering code |
| FNI_MPL-106-006-K54   | 009B51        |

■ High Quality Product / Sincere Service



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