



PRODUCT

PRODUCT USE INSTRUCTIONS



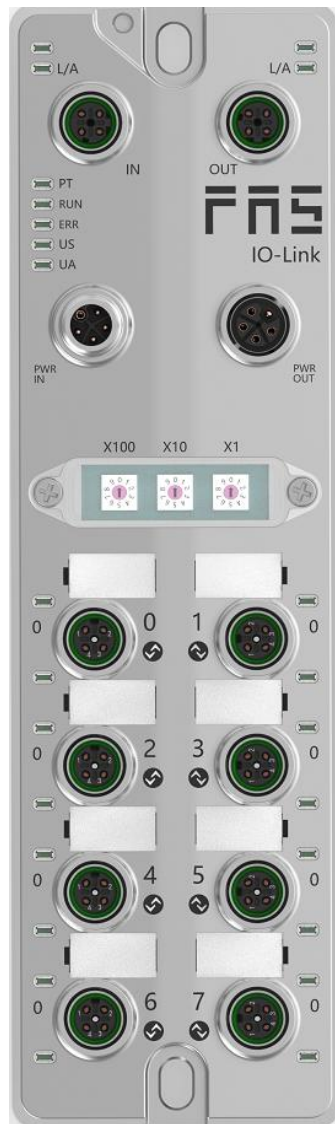
Ordering code: 006B11

Part number: FNI ECT-508-105-M

FNI ECT-508-105-M

8xIO-Link,16 DI/DO PNP

IO-Link Master Module User Manual



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■ Intended use

This manual describes the module as a decentralized input and output for connection to an industrial network.

■ Install and start

Things to note!

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.

■ Corrosion resistance

Things to note!

FNI modules generally have good chemical and oil resistance characteristics. When used in corrosive media (such as high concentrations of chemicals, oils, lubricants and coolants (that is, very low water content)), the above media must be checked and confirmed before the compatibility of the corresponding application materials. If the module fails or is damaged due to such corrosive media, a defect claim cannot be made.

■ Hazardous voltage

Things to note!

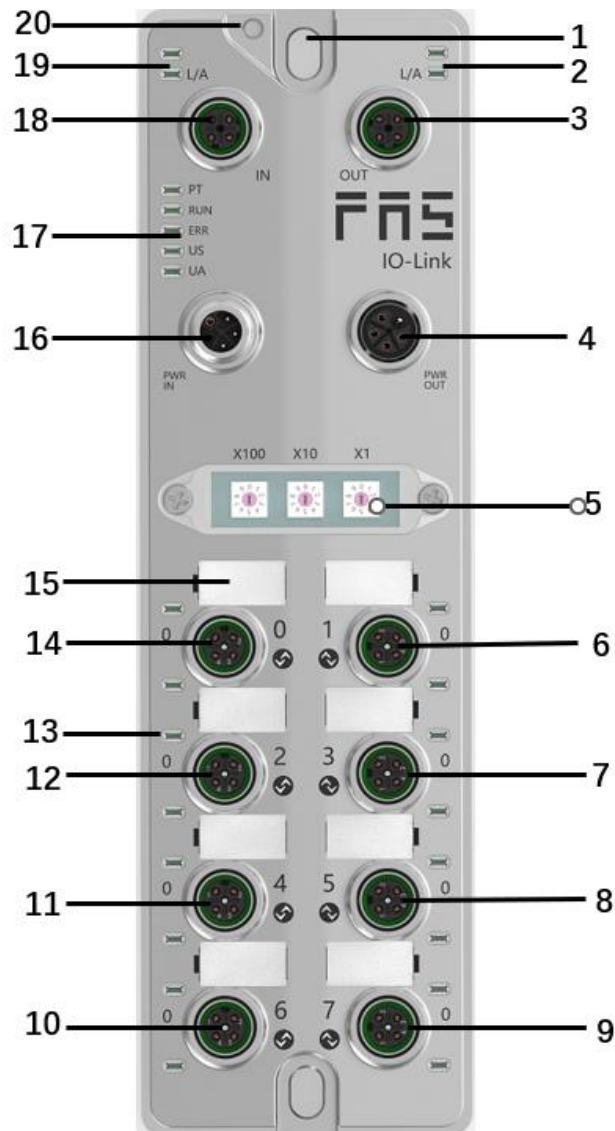
Before using the device, disconnect all power sources!

■ General security

Debugging and inspection	Fault	Owner/Operator Obligations	Intended use
Before debugging, the contents of the user manual should be read carefully.	If a defect or equipment failure cannot be corrected, operation of the equipment must be stopped to avoid possible damage caused by unauthorized use.	This device is an EMC Class A product. This device generates RF noise	The manufacturer's warranty and limited liability statement do not cover damage caused by: ·Unauthorized tampering operations ·Improper use and operation ·Use, installation and operation that are inconsistent with the instructions and explanations provided in the user manual
This system is not intended to be used in environments where the safety of personnel depends on the functionality of the equipment.	Intended use can only be ensured after the housing is fully installed.	The owner/operator must take appropriate precautions when using this equipment. This device may only be operated from a power source that is suitable for this device and may only be connected to cables approved for the purpose.	

1 Getting Started Guide

1.1 Module overview



- | | | |
|-----------------------------------|--------------------------|------------------------------------|
| 1 Mounting hole | 8 Port 5 | 15 Port identification plate |
| 2 Network port 2 status indicator | 9 Port 7 | 16 Power input port |
| 3 Network port 2 | 10 Port 6 | 17 Module indicator light |
| 4 Power output port | 11 Port 4 | 18 Network port 1 |
| 5 DIP switch | 12 Port 2 | 19 Network port 1 status indicator |
| 6 Port 1 | 13 Port status indicator | 20 Ground connection |
| 7 Port 3 | 14 Port 0 | |

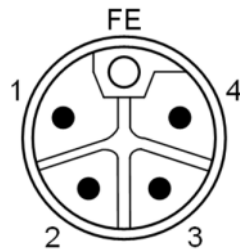
1.2 Mechanical connection

The modules are connected using 2 M6 bolts and 2 washers.
Isolation pads are available as accessories.

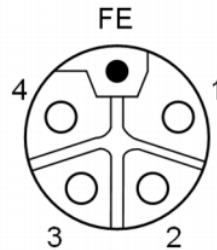
1.3 Electrical connection

1.3. 1 Power interface(L-code)

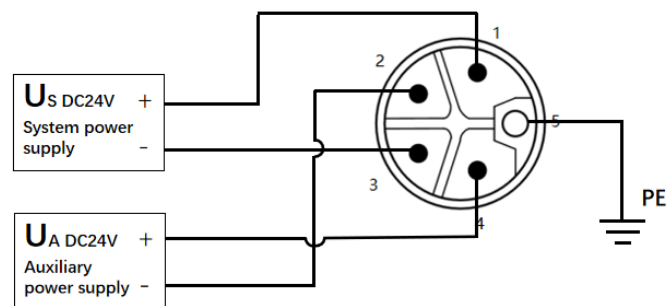
Power input port definition



Power output port definition



POWER PORT

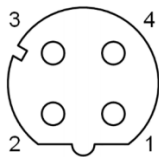


Pin	Function	Describe
1	Us+	+24V(brown)
2	Ua-*	0V(white)
3	Us-	0V(blue)
4	Ua+*	+24V(black)
FE	Functional ground*	FE (yellow green)

Note:

1. If possible, provide sensor/module power supply and actuator power supply separately.
The total current of all modules is <16A, even if the actuator power supply is daisy chained.
2. 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-code)



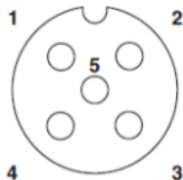
Pin	Function	
1	Tx+	Send data+
2	Rx+	Receive data+
3	Tx-	Send data-
4	Rx-	Receive data-

Note:

Unused interfaces must be covered with end caps to meet IP67 protection rating.

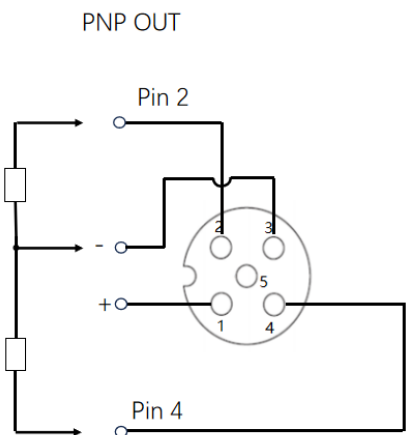
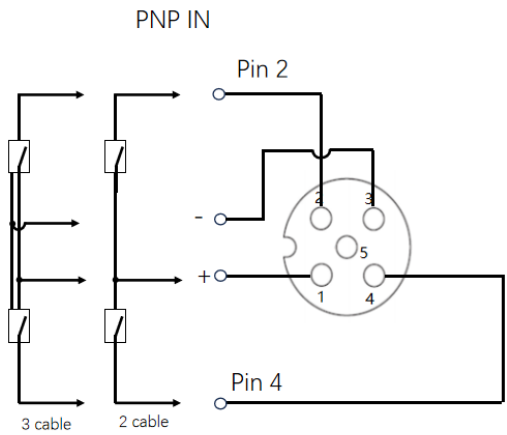
1.3.3 I/O-port(A-code)

Port0~Port7 definition:



Pin	Function
1	+24V (brown) maximum current 1A
2	Input/output (white)
3	0V (blue)
4	Input/Output/IOLINK (black)
5	FE

Input/Output

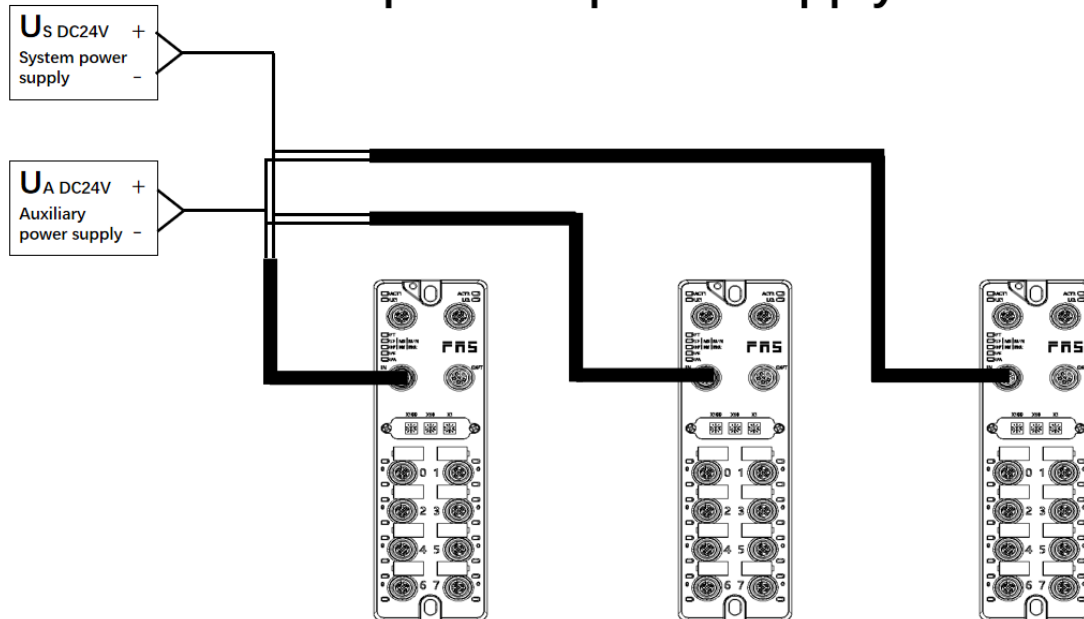


Note:

1. Regarding digital sensor input, please follow the input guidance of EN61131-2, Type 2.
2. The maximum output current of each port is 2A. The total module current is 16A.
3. Unused I/O port sockets must be covered with end caps to meet IP67 protection level.

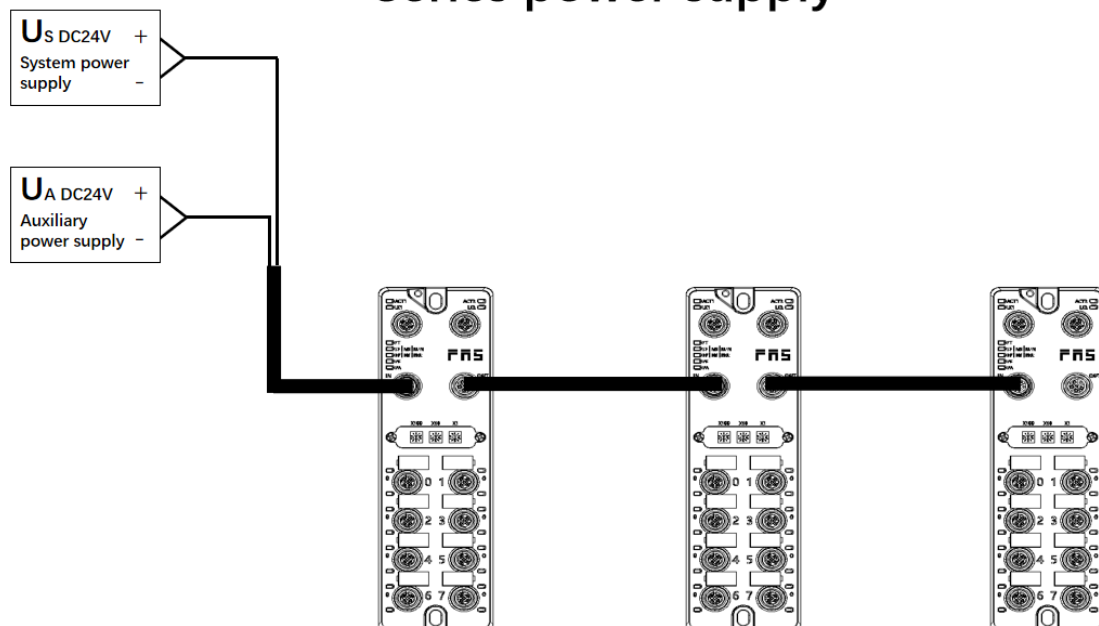
1.3.4 Main station module wiring method

Independent power supply



In independent power supply mode, the maximum current of each master station can reach 16A.

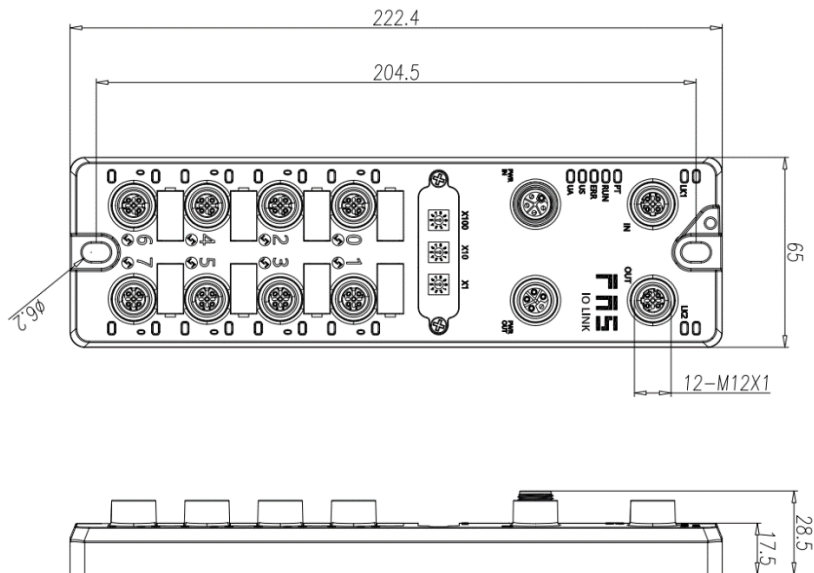
Series power supply



In the serial power supply wiring mode, if the rear module needs to be connected to the front module, the cumulative current must not exceed 16A.

2 Technical data

2.1. Size



2.2 Mechanical data

Shell material	Die-cast aluminum housing, pearl nickel plated
Housing rating according to IEC 60529	IP67 (only when inserted or plugged)
Power interface	L-Code (male and female)
Input port/output port	M12, A-Code(8*female)
Size(W*H*D)	65mm*222mm*25.8mm
Installation type	2-Through hole mounting
Ground bus accessories	M4
Weight	About 670g

2.3. Operating conditions

Operating temperature	-5°C ~ 70°C
Storage temperature	-25°C ~ 70°C

2.4. Electrical data

Supply voltage	18~30V DC, symbol 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-Code
IEEE 802.3 compliant cable types	Shielded twisted pair, minimum STP CAT 5/STP CAT 5e
Data transfer rate	10/100 M bit/s
Maximum cable length	100m
Flow control	Half working condition/full working condition (IEEE 802.3-PAUSE)

2.6 Function indicator

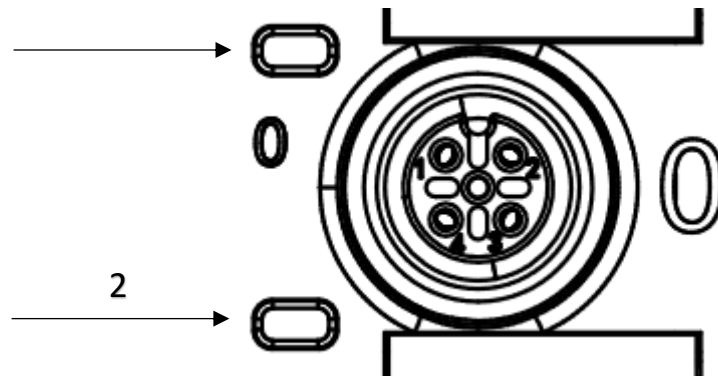


PT	Blue	EtherCat communication protocol
----	------	---------------------------------

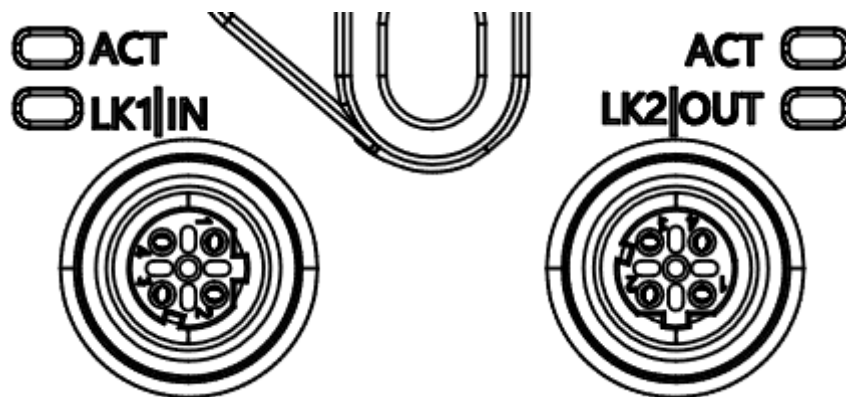
Module status

LED	Show	Function
RUN	Green light off	Working fine
	Green light flashes 2.5HZ	Pre-operation: The device is in pre-operation state
	Flashing green 1HZ	Safe operation: The equipment is in safe operation.
	Steady green	Running: The device is running
ERR	Closure	Device EtherCAT communication is working
	Red flashing 2.5HZ	Invalid configuration
	Flashing red 1HZ	local error
	Red double flash	Application monitoring timeout
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	State	Function
LED1	Closure	The status of Pin4 input or output is 0
LED1	Yellow	The status of Pin4 input or output is 1
LED1	Red	Port configured as output: Pin4 short circuit
LED1	Flashing red	Port configured as output: Pin1 short circuit
LED1	Green	IOLink is connected
LED1	Flashing green	IOLink not connected
LED2	Closure	The status of Pin2 input or output is 0
LED2	Yellow	The status of Pin2 input or output is 1
LED2	Red	The UA power supply is cut off or the network is disconnected or Pin2 is short-circuited.
LED2	Flashing red	Pin1 short circuit



Network port status

LED	State	Function
IN(L/A)	Flashing green	Data transfer in progress
OUT (L/A)	Flashing green	Data transfer in progress

2.7 EtherCAT node address setting

1. Set by dialing (1~192 or 401~499)
 - a. Switch to the EtherCAT communication protocol. The X100 dialing code is the hundreds digit of the address, the X10 dialing code is the tens digit of the address, and the X1 dialing code is the ones digit of the address.
 - b. After dialing the code while the power is on, power on again.
2. Setting through PLC
 - a. Switch to the EtherCAT communication protocol, set the X100 dial to 0, the X10 dial to 0, and the X1 dial to 0.
 - b. Set the node address through PLC software.

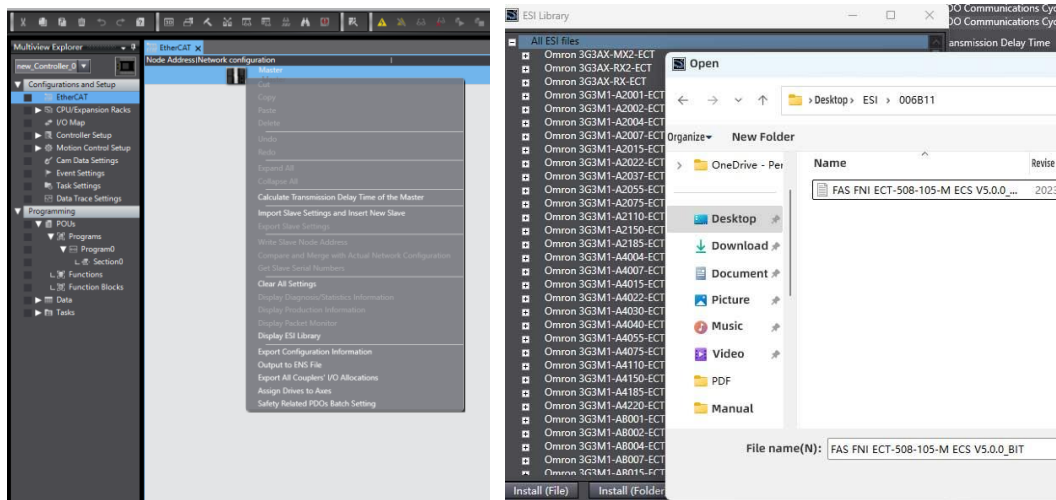
3 Integrated

3.1 PLC integration

3.1.1 Omron NX1P2 integrated in Sysmac Studio

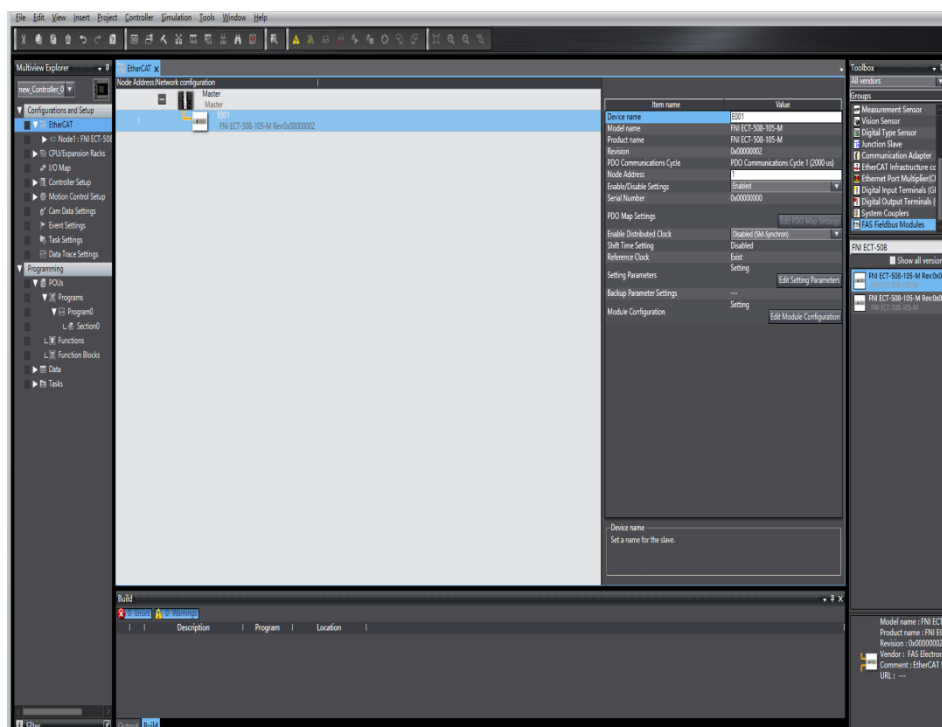
Here, you will see how to integrate this module into an Omron PLC example, taking the Omron NX1P2 PLC as an example.

Install the ESI file: Configuration and Settings---EtherECT---right-click the main device---click Show ESI Library---click "Install File" in the pop-up window---select the corresponding product ESI file

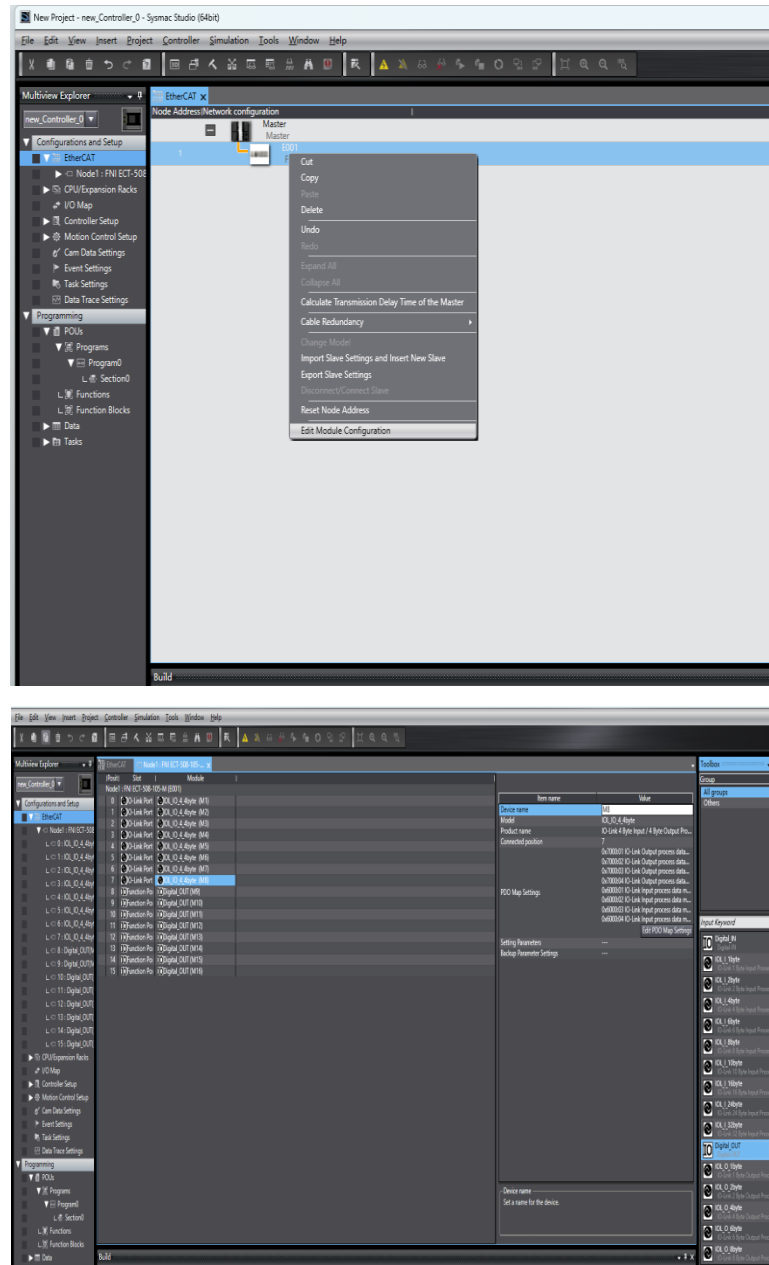


Create a module: Click on the toolbox on the right---find FAS Fieldbus Modules---select product model FNI ECT-508-105-M

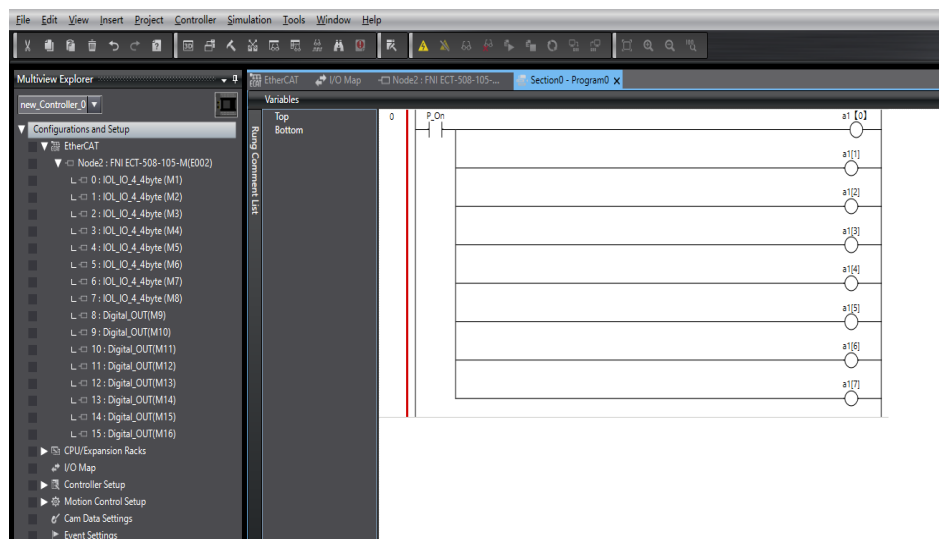
Double-click the corresponding product to add it to the main device



Module slot data (IOLINK mode): Right-click the module---select edit module configuration---drag the required data into the module slot---if the slave station has output signals, you need to open the master station PIN2---click I/O mapping---give Digital Output Mapping_Output Pin 2 a variable---in the program, the port Output Pin 2 that uses the output signal is set to 1---the configuration is successful!



Position	Part	Description	R/W	Data Type	Value	Variable	Variable Comment	Variable Type
Node2	▶ FNI ECT-508-105-MI002							
	▶ Digital Output Mapping_Output Pin 4, 7100_01		W	ARRAY(7) OF BOOL				
	▶ Digital Output Mapping_Output Pin 2, 7100_02		W	ARRAY(7) OF BOOL				
	▶ Digital Input Mapping_Input Pin 4, 6100_01		R	ARRAY(7) OF BOOL				
	▶ Digital Input Mapping_Input Pin 2, 6100_02		R	ARRAY(7) OF BOOL				
	▶ Digital Input Mapping_Actuator Shutdown Pin 4, 6100_03		R	ARRAY(7) OF BOOL				
	▶ Digital Input Mapping_Actuator Shutdown Pin 2, 6100_04		R	ARRAY(7) OF BOOL				
	▶ Digital Input Mapping_Sensor Supply Short Circuit, 6100_05		R	ARRAY(7) OF BOOL				
	▶ Digital Input Mapping_Device Status, 6100_06		R	ARRAY(7) OF BOOL				
	IO-Link Device State_Status Of IO-Link Port 0, 6110_01		R	USINT	3			
	IO-Link Device State_Status Of IO-Link Port 1, 6110_02		R	USINT	3			
	IO-Link Device State_Status Of IO-Link Port 2, 6110_03		R	USINT	3			
	IO-Link Device State_Status Of IO-Link Port 3, 6110_04		R	USINT	3			
	IO-Link Device State_Status Of IO-Link Port 4, 6110_05		R	USINT	3			
	IO-Link Device State_Status Of IO-Link Port 5, 6110_06		R	USINT	3			
	IO-Link Device State_Status Of IO-Link Port 6, 6110_07		R	USINT	3			
	IO-Link Device State_Status Of IO-Link Port 7, 6110_08		R	USINT	3			
Slot 0	▶ IOL_IO_4_Byte							
Slot 1	▶ IOL_IO_4_Byte							
Slot 2	▶ IOL_IO_4_Byte							
Slot 3	▶ IOL_IO_4_Byte							
Slot 4	▶ IOL_IO_4_Byte							
Slot 5	▶ IOL_IO_4_Byte							
Slot 6	▶ IOL_IO_4_Byte							
Slot 7	▶ IOL_IO_4_Byte							
Slot 8	Digital_OUT							
Slot 9	Digital_OUT							
Slot 10	Digital_OUT							
Slot 11	Digital_OUT							
Slot 12	Digital_OUT							
Slot 13	Digital_OUT							
Slot 14	Digital_OUT							
Slot 15	Digital_OUT							



Module I/O variables:

Digital Output Mapping_Output Pin 4

Digital Output Mapping_Output Pin 2

Digital Input Mapping_Input Pin 4

Digital Input Mapping_Input Pin 2

Digital Input Mapping_Actuator Shutdown Pin 4

Digital Input Mapping_Actuator Shutdown Pin 2

Digital Input Mapping_Sensor Supply Short circuit

Digital Input Mapping_Device Status

Digital Output Mapping_Output Pin 4

Digital Output Mapping_Output Pin 2

Digital Input Map_Input Pin 2

Digital Input Map_Input Pin 2

Input pin 4 short circuit detection

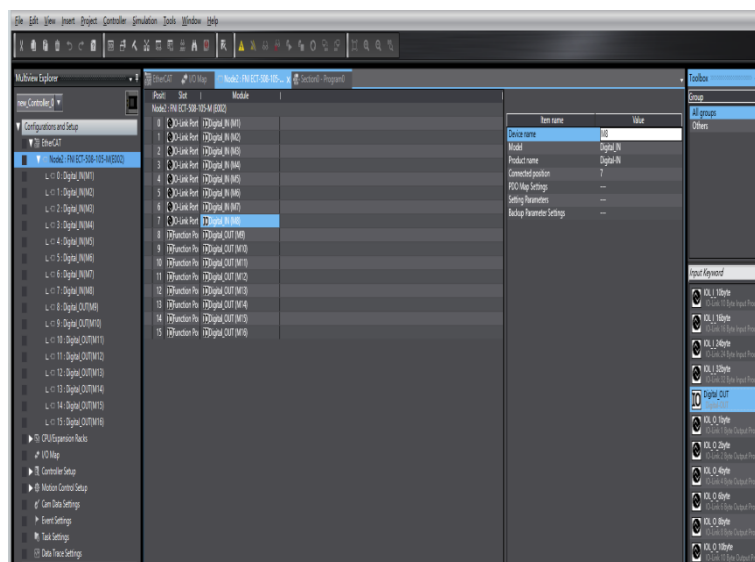
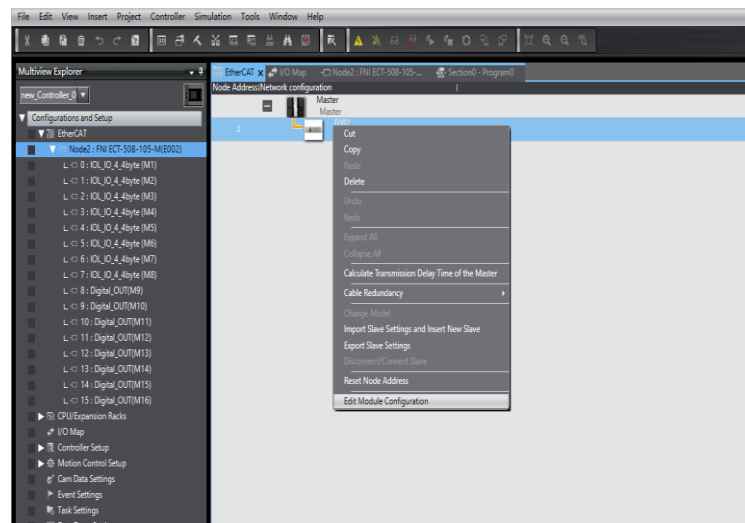
Input pin 2 short circuit detection

Input pin 1 pin 3 short circuit detection

Equipment process input status

Equipment process input status function description									
Name	Function description	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Input Pin 4	Standard IO input 0=no signal 1=There is signal	Port7 Pin4	Port6 Pin4	Port5 Pin4	Port4 Pin4	Port3 Pin4	Port2 Pin4	Port1 Pin4	Port0 Pin4
Input Pin 2	Standard IO input 0=no signal 1=There is signal	Port7 Pin2	Port6 Pin2	Port5 Pin2	Port4 Pin2	Port3 Pin2	Port2 Pin2	Port1 Pin2	Port0 Pin2
Actuator Shutdown Pin 4	Short circuit detection (Pin4 short circuit) 0=no short circuit 1=There is a short circuit	Port7 Pin4	Port6 Pin4	Port5 Pin4	Port4 Pin4	Port3 Pin4	Port2 Pin4	Port1 Pin4	Port0 Pin4
Actuator Shutdown Pin 2	Short circuit detection (Pin2 short circuit) 0=no signal 1=There is signal	Port7 Pin2	Port6 Pin2	Port5 Pin2	Port4 Pin2	Port3 Pin2	Port2 Pin2	Port1 Pin2	Port0 Pin2
Sensor Supply Short circuit	Short circuit detection (Pin1 short circuit) 0=no signal 1=There is signal	Port7 Pin1	Port6 Pin1	Port5 Pin1	Port4 Pin1	Port3 Pin1	Port2 Pin1	Port1 Pin1	Port0 Pin1
Device Status	Module status	-	-	-	Us overvoltage	Ua overvoltage	Overheat	Us Under voltage	Ua Under voltage
IO-Link Device State_Status Of IO-Link Port 0					0x_0 = Port In NO Digital Input 0x_1 = Port In NC Digital Input 0x_2 = Port In Digital Output 0x_3 = Port In IO-Link 0x0_ = No Device Detected 0x1_ = IO-Link Communication Status 0x2_ = Invalid Vendor ID 0x3_ = Invalid Device ID 0x4_ = Invalid Serial Number 0x8_ = Invalid Cycle Time 0x9_ = Invalid Process Data In Length 0xA_ = Invalid Process Data Out Length 0xC_ = Invalid IO-Link Version				
IO-Link Device State_Status Of IO-Link Port 1									
IO-Link Device State_Status Of IO-Link Port 2									
IO-Link Device State_Status Of IO-Link Port 3									
IO-Link Device State_Status Of IO-Link Port 4									
IO-Link Device State_Status Of IO-Link Port 5									
IO-Link Device State_Status Of IO-Link Port 6									
IO-Link Device State_Status Of IO-Link Port 7									

Module slot data (normal IO mode): Right-click the module---select edit module configuration---drag the required data into the module slot (0~7: Pro0~7 PIN4 pin function, 8~15: Pro0~7 PIN2 pin function)---click I/O mapping---set the input and output variables for the PIN2 PIN4 pin of the port



As shown above, Pro0~7 PIN4 is the input setting, and Pro0~7 PIN2 is the output setting, which is in the I/O variable.

Digital Output Mapping_Output Pin 2 Digital Input Mapping_Input Pin 4 Fill in the variables

You can then program in the program ---- the configuration is complete!

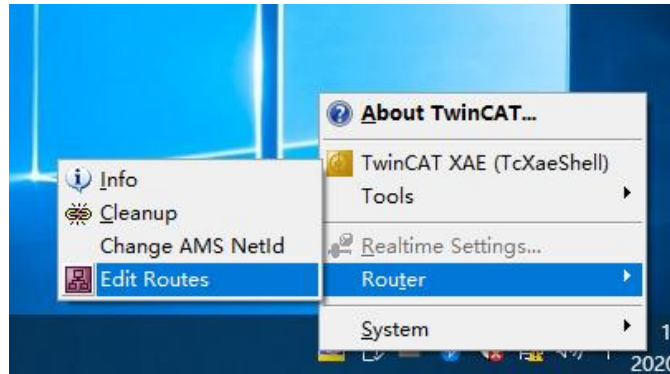
Position	Port	Description	I/O	Data Type	Variable	Variable Comment	Variable Type
0	Digital In	Digital Output Mapping_Output Pin 4	W	ARMADILLO_71 OF BOOLE			Global Variables
1	Digital In	Digital Output Mapping_Output Pin 2	W	ARMADILLO_71 OF BOOLE			Global Variables
2	Digital In	Digital Input Mapping_Input Pin 4	R	ARMADILLO_71 OF BOOLE			Global Variables
3	Digital In	Digital Input Mapping_Input Pin 2	R	ARMADILLO_71 OF BOOLE			Global Variables
4	Digital In	Digital Input Mapping_Actuator Status	R	ARMADILLO_71 OF BOOLE			Global Variables
5	Digital In	Digital Input Mapping_Sensor Supply	R	ARMADILLO_71 OF BOOLE			Global Variables
6	Digital In	Digital Input Mapping_Sensor Status	R	ARMADILLO_71 OF BOOLE			Global Variables
7	Digital In	IO-Link Device State_Status of IO-Link	R	USINT			Global Variables
8	Digital Out	IO-Link Device State_Status of IO-Link	R	USINT			Global Variables
9	Digital Out	IO-Link Device State_Status of IO-Link	R	USINT			Global Variables
10	Digital Out	IO-Link Device State_Status of IO-Link	R	USINT			Global Variables
11	Digital Out	IO-Link Device State_Status of IO-Link	R	USINT			Global Variables
12	Digital Out	IO-Link Device State_Status of IO-Link	R	USINT			Global Variables
13	Digital Out	IO-Link Device State_Status of IO-Link	R	USINT			Global Variables
14	Digital Out	IO-Link Device State_Status of IO-Link	R	USINT			Global Variables
15	Digital Out	IO-Link Device State_Status of IO-Link	R	USINT			Global Variables

3.1.2 Integrated in BECKHOFF winCATXAE

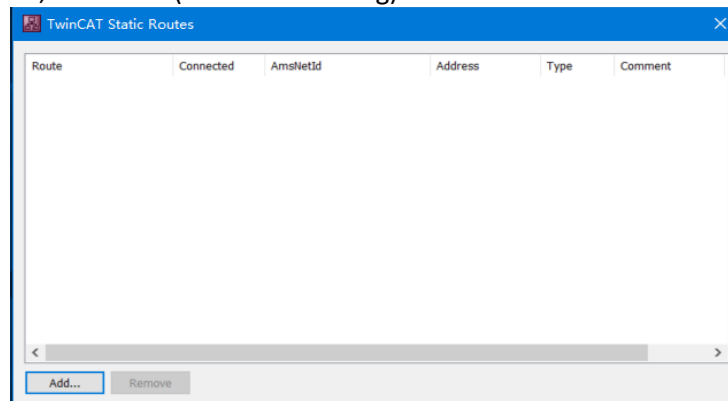
Here you will see an example of how to integrate this module into TwinCAT XAE, using a CX5050 PLC as an example:

Add PLC path:

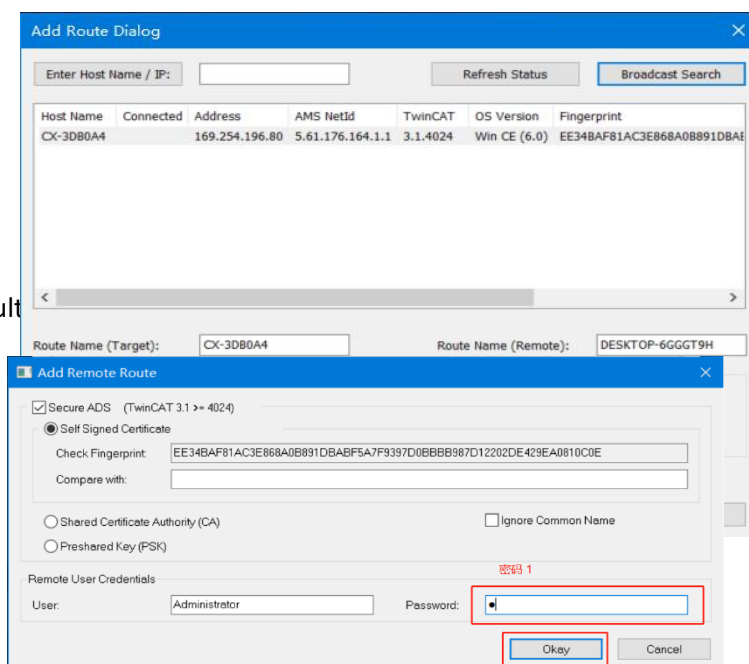
Right-click the TwinCAT icon in the lower right corner to open Edit Routes



Click Add...;Add route (Add Route Dialog)



Broadcast Search-Select PLC(CX-3D0A4)-Add Route

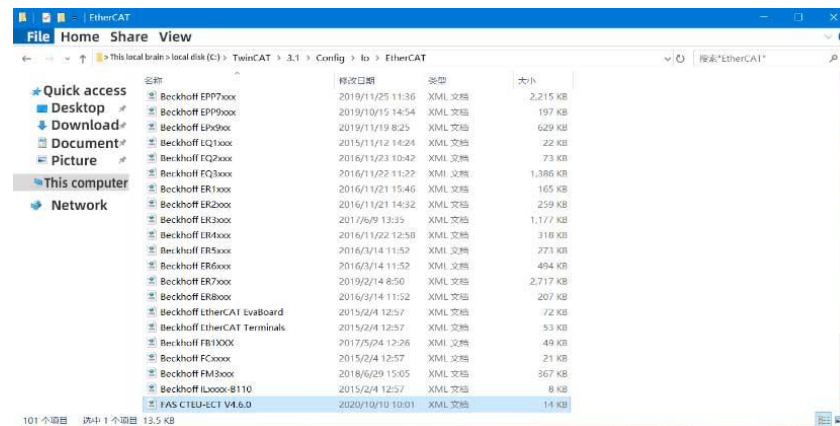


Enter the default

Add device profile: FAS FNI-ECT-508-105 (provided by FAS)

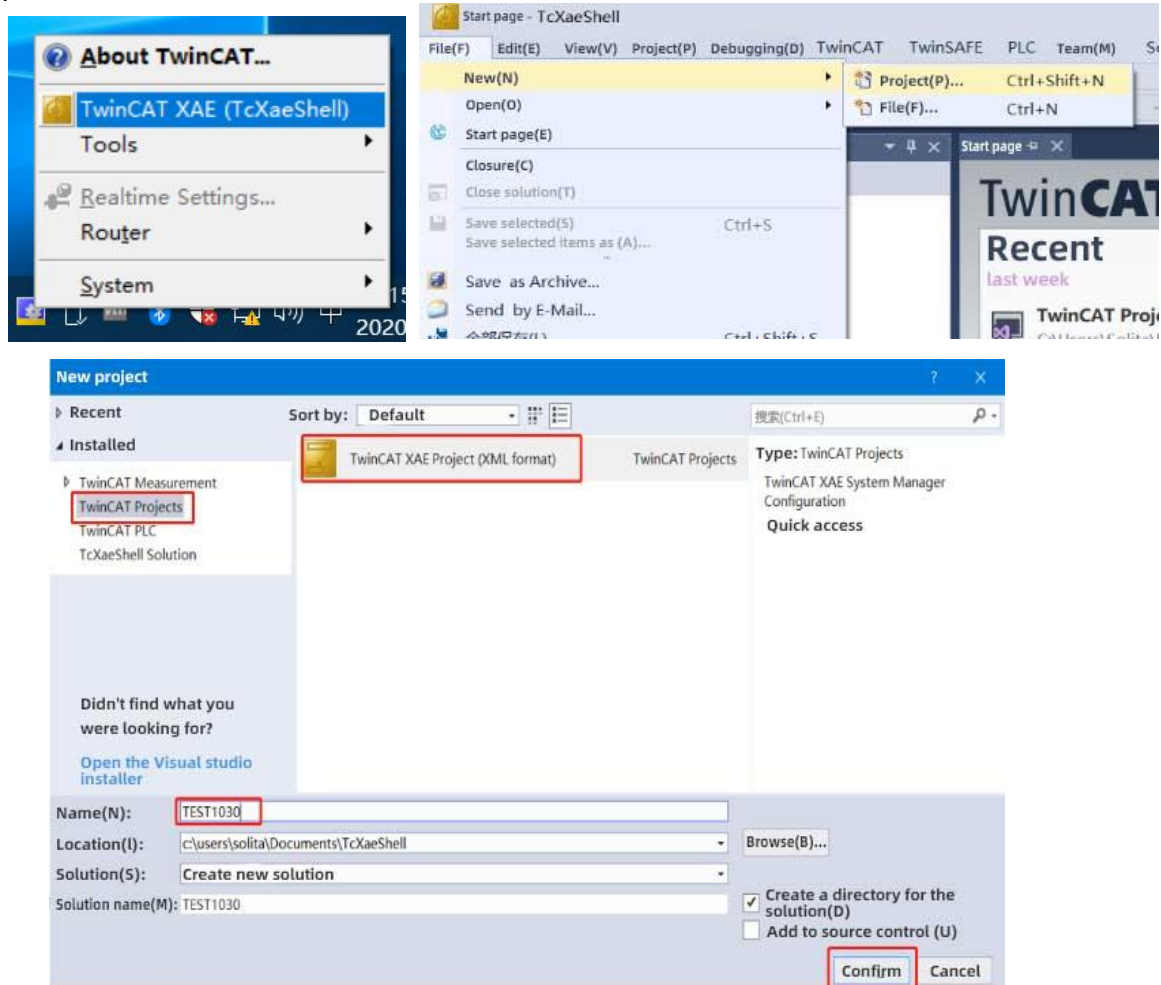
Copy the file to the following path to complete adding the configuration file:

C:\TwinCAT\3.1\Config\IO\EtherCAT



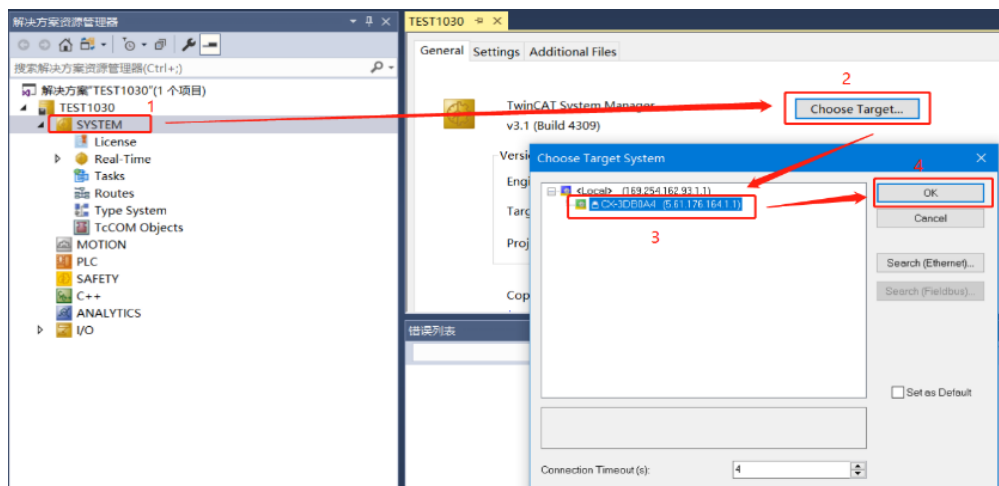
New construction:

Open the TwinCAT XAE software---File-New-Project---Select TwinCAT XAE Project-Enter the name-OK



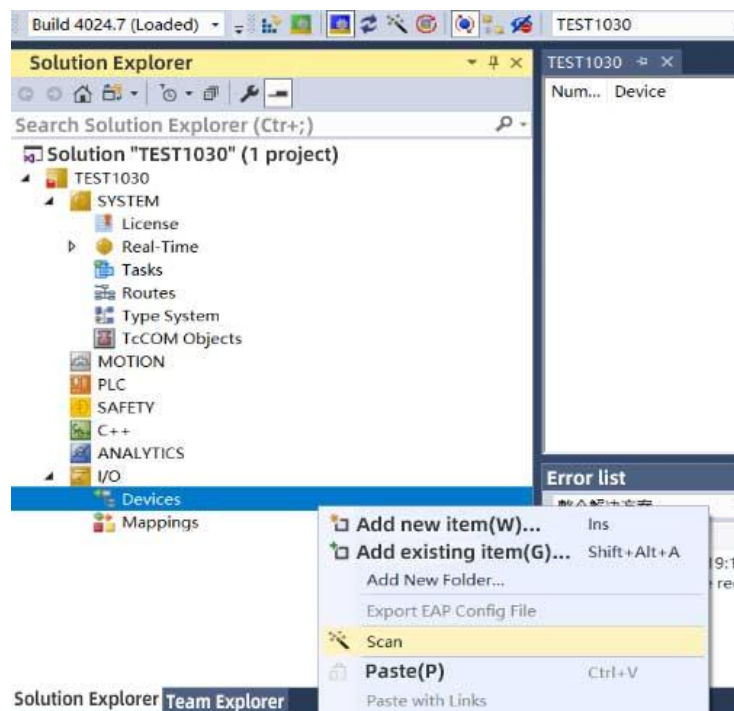
Select target system:

SYSTEM-Choose Target System-Select PLC(CX-3DB0A4)-OK



Add module:

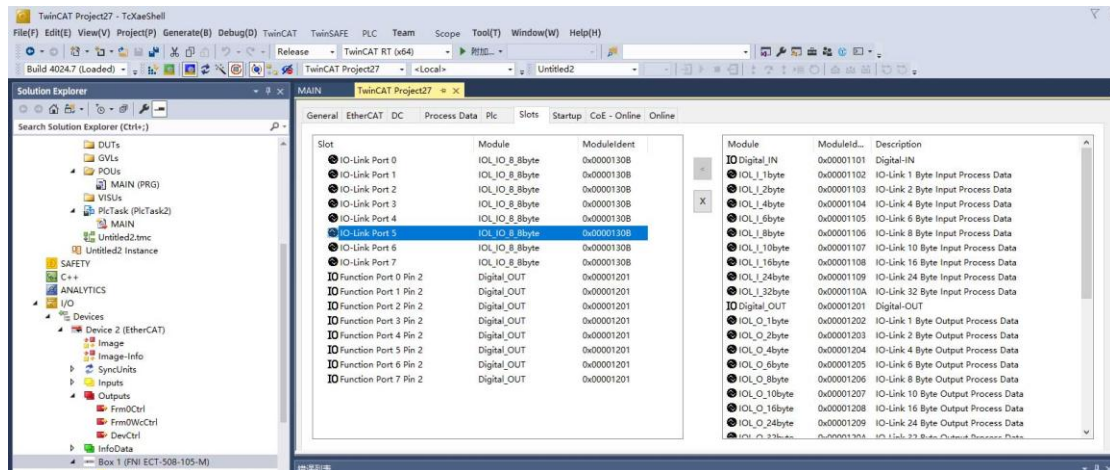
Pull down the IO option-DEVICES-SCAN; search for the master station, select Device 2 (EtherCAT)-OK



Module slot data (IOLINK mode):

Find the module FNI-ECT-508-105-M under the resource manager, select Slots, and select the required slot data for configuration.

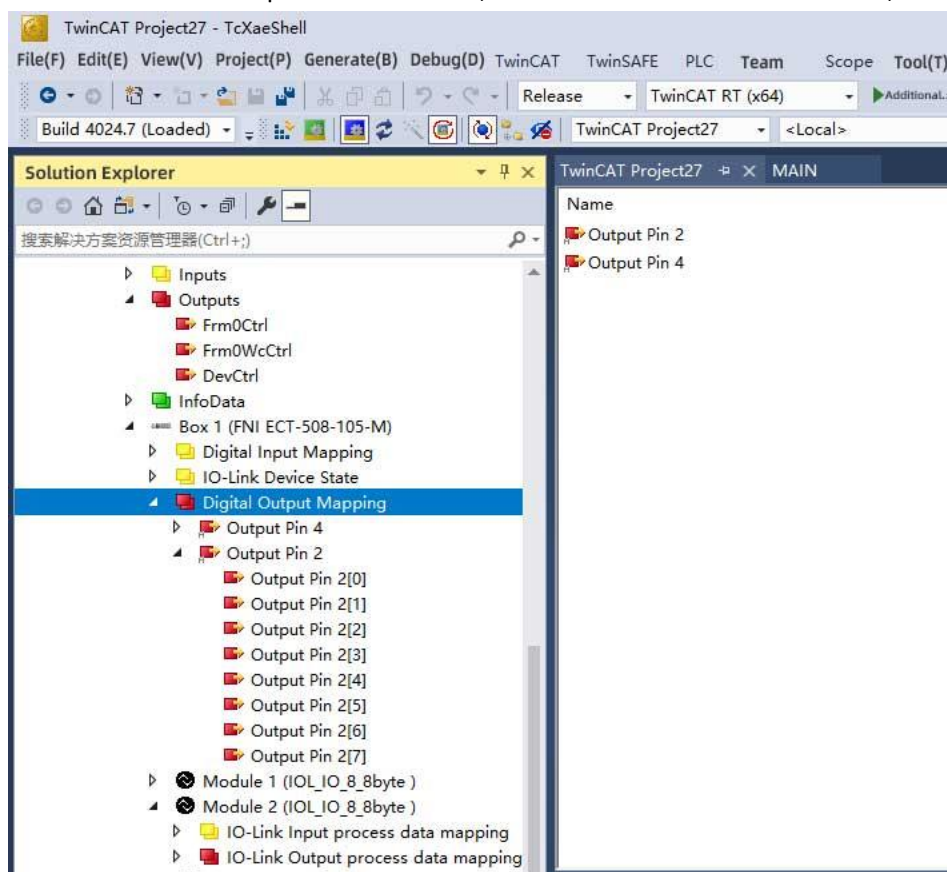
Slots 0~7 are PIN4 functions and slots 8~15 are PIN2 functions.



Module slot PIN2 data setting:

If the slave module has an output signal connected, the master module PIN2 must be turned on and assigned in the program -----configuration completed!

When the variable Output PIN2 is set to 1, PIN2 is enabled. When it is set to 0, PIN2 is turned off.



Module slave data settings (COE settings):

Find the module FNI-ECT-508-105-M under the resource manager and click COE-On-line

8100:0	IO-Link Service Data Port.0	> 6 <
8100:01	Index	RW 0x0041 (65)
8100:02	Subindex	RW 0x00 (0)
8100:03	Length	RW 0x02 (2)
8100:04	Data	RW FF FF 00 00 00 00 00 00 ...
8100:05	Control	RW 0x00 (0)
8100:06	Error Code	RO 0x0000 (0)
8110:0	IO-Link Service Data Port.1	> 6 <
8120:0	IO-Link Service Data Port.2	> 6 <
8130:0	IO-Link Service Data Port.3	> 6 <
8140:0	IO-Link Service Data Port.4	> 6 <
8150:0	IO-Link Service Data Port.5	> 6 <
8160:0	IO-Link Service Data Port.6	> 6 <
8170:0	IO-Link Service Data Port.7	> 6 <

8100:0: Master Pro 0 port data setting

8110:0: Master Pro 1 port data setting

8120:0: Master Pro 2 port data setting

8130:0: Master Pro 3 port data settings

8140:0: Master Pro 4 port data settings

8150:0: Master Pro 5 port data settings

8160: 0: Master Pro 6 port data settings

8170:0: Master Pro 7 port data settings

Set parameters and data according to the slave module manual.

Index: Index

Subindex: Subindex

Length: Data length BYTE type (When reading or writing, fill in the data length first)

Data: Data mapping

Control: 1=read 2=write

Error code: Error code

IOLINK slave station configuration (this function is online configuration, the slave station and the master station should maintain normal communication)

(1) When you need to configure the IOLINK slave station, you should write to set Pin4 as the IOLINK function, and write 2 data to Control to complete the configuration and the slave station will take effect;

Note that the input values of Index and Subindex are in decimal, and the input and output values of Data are in hexadecimal;

(2) Common index functions of FAS slave stations:

Example: a. Input and output configuration: Index =65, Subindex=0; the following figure is an example of slave station configuration:

Function description			Slave																Slave extension															
IP67 protection level Product correspondence PIN		Port number	7	6	5	4	3	2	1	0	7	6	5	4	3	2	1	0	7	6	5	4	3	2	1	0	7	6	5	4	3	2	1	0
		Corresponding PIN pin	PIN4								PIN2								PIN4								PIN2							
IP20 protection level Product corres pondence PIN		Port number	8	7	6	5	4	3	2	1	16	15	14	13	12	11	10	9	/															
Binary value (0 represents input, 1 represents output)			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Hexadecimal value (fill in Data)			F				F				F				F				F				F				F				F			

For example: the slave module DI/DO requirement is full output (FFFF)

Index=65 (Known from the site manual)

Subindex=0

Length=2

Data=FFFF

Control=2 Enter

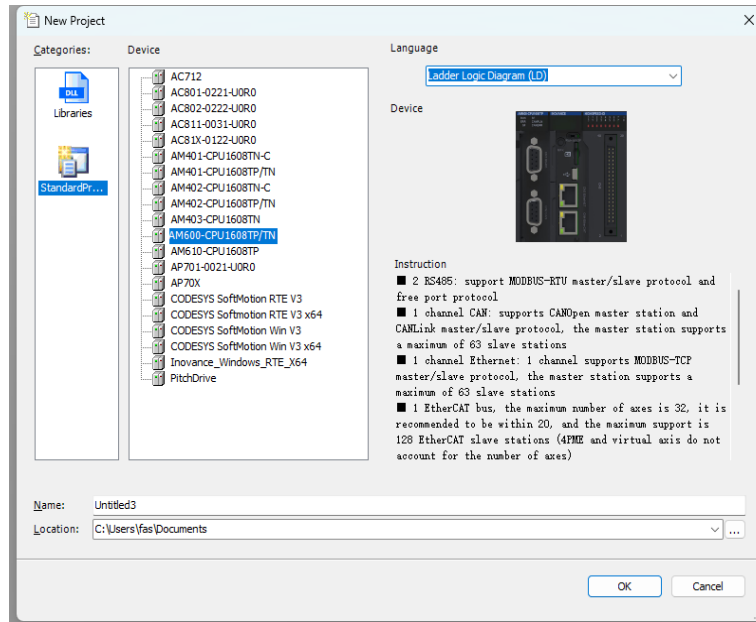
The writing is successful and the module configuration changes to full output.

3.1.2 Integrated in Inovance AM600-CPU1608TP/TN

Here you will see an example of how to integrate this module into Inproshop, taking the AM600-CPU1608TP/TN PLC as an example:

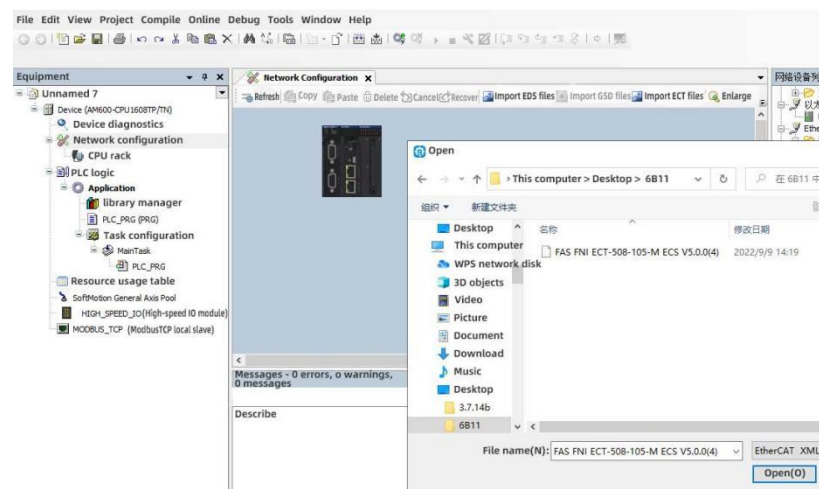
Add new project:

Select the corresponding PLC model for a new project



Add module:

Double-click the network configuration----click to import the ECT file----select the master station description file FNI-ECT-508-105-M



Click PLC---Check the EtherCAT master station---Select the device on the left-----right-click ETHERCAT----Scan device

Equipment

Unnamed 7

- Device (AM600-CPU1608TP/TN)
 - Device diagnostics
 - Network configuration
 - EtherCAT rack
 - CPU rack
 - PLC logic
 - Application
 - Library manager
 - PLC_PRG (PRG)
 - Task configuration
 - ETHERCAT
 - ETHERCAT.EtherCAT_Task
 - MainTask
 - PLC_PRG
 - Resource usage table
 - SoftMotion General Axis Pool
 - HIGH_SPEED_IO (High-speed IO module)
 - MODBUS_TCP (ModbusTCP local slave)
 - ETHERCAT (EtherCAT Master SoftMotion)
 - FN1_ECT_508_105_M (FN1 ECT-508-105-M)
 - IO_LIO_8_Byte (IO-Link 8 Byte Input / 8 Byte Output Pr
 - IO_LIO_8_Byte_1 (IO-Link 8 Byte Input / 8 Byte Output
 - IO_LIO_8_Byte_2 (IO-Link 8 Byte Input / 8 Byte Output
 - IO_LIO_8_Byte_3 (IO-Link 8 Byte Input / 8 Byte Output
 - IO_Link_Port_4 (Digital-IN)
 - IO_Link_Port_4 (Digital-OUT)

Network Configuration

Hardware Configuration

FN1_ECT_508_105_M

Conventional

Process data (PDO settings)

Startup parameters (SOD settings)

Slot configuration

Online

Online CoE

EoE settings

EtherCAT I/O mapping

State

Information

Find

Variable

Mapping

Channel

Address

Type

Default

Unit

		Output Pin 4	%Q1.0	BIT		
		Output Pin 4	%Q1.1	BIT		
		Output Pin 4	%Q1.2	BIT		
		Output Pin 4	%Q1.3	BIT		
		Output Pin 4	%Q1.4	BIT		
		Output Pin 4	%Q1.5	BIT		
		Output Pin 4	%Q1.6	BIT		
		Output Pin 4	%Q1.7	BIT		
		Output Pin 2	%Q2.0	BIT		
		Output Pin 2	%Q2.1	BIT		
		Output Pin 2	%Q2.2	BIT		
		Output Pin 2	%Q2.3	BIT		
		Output Pin 2	%Q2.4	BIT		
		Output Pin 2	%Q2.5	BIT		
		Output Pin 2	%Q2.6	BIT		
		Output Pin 2	%Q2.7	BIT		

Reset mapping

Always updated:

Enable 2 (always in bus cycle task)

IEC object

Variable

Mapping

Type

FN1_ECT_508_105_M	ETCSlave		
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Create new variable

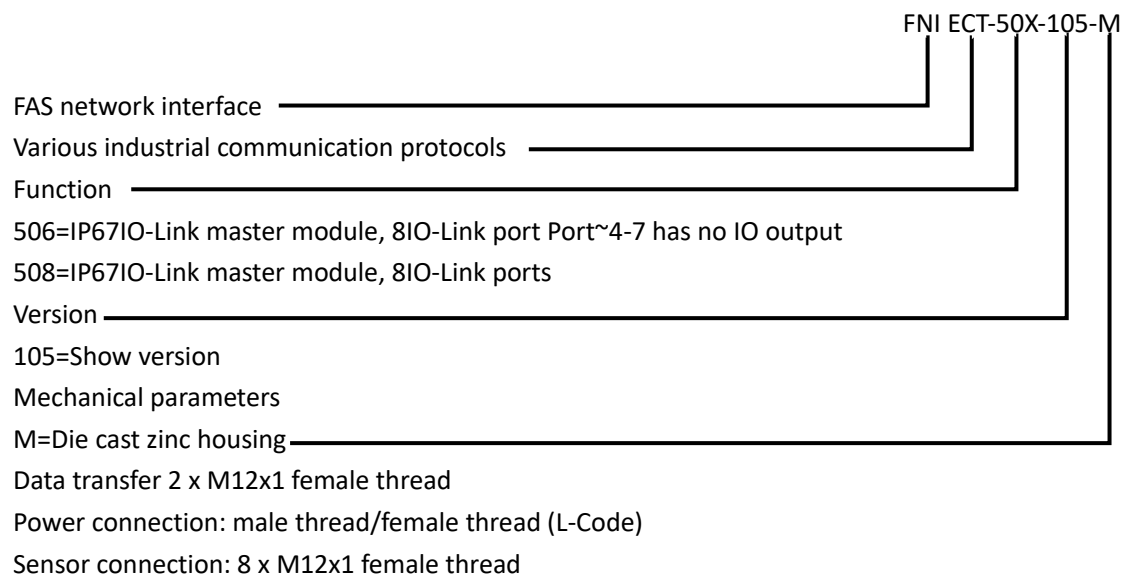
Map existing variables

4 Appendix

4.1 Materials included

- FNI ECT contains the following parts
- I/O-Block
- 4 blind plugs M12
- Ground bus
- Thread M4x6
- 20 tags

4.2 Order code



4.3 Ordering information

Product ordering code	Order code
FNI ECT-508-105-M	006B11

■ High Quality Product / Sincere Service



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