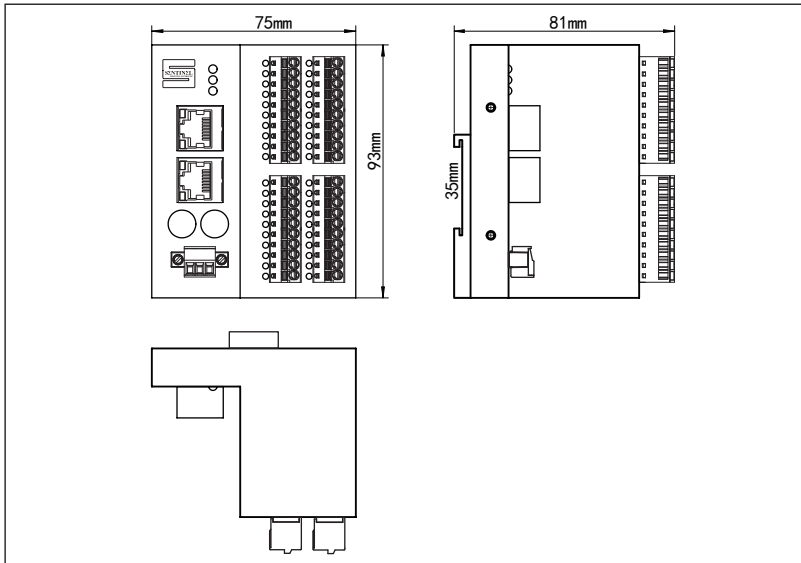


16 Digital PNP/NPN inputs
16 Digital outputs

CMBC-IOM16-0001

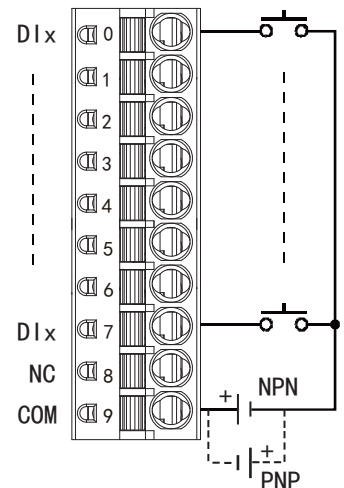


- CC-Link IE Field Basic remote I/O module
- Integrated Ethernet Switch
- Support 100Base-TX
- 2 RJ45 ports for the Ethernet connection
- 16 Digital PNP/NPN inputs
- 16 Digital outputs
- DIN guide rail installation
- Metal housing , Protection class IP20

Supply voltage	24VDC $\pm$ 10%
Operating current	< 200mA
Module and load power supply	UB and UL are internally isolated and need to be powered separately
Load power group	Divided into 4 groups, which need separate power supply

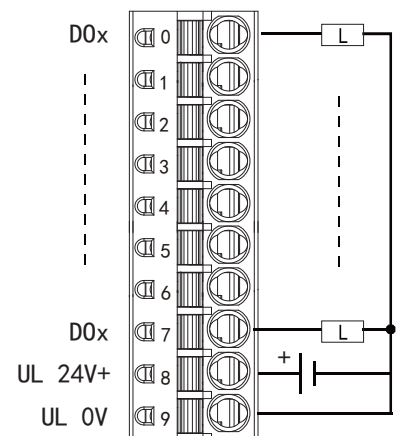
Input	
Number of channels	16
Input type	PNP or NPN
input impedance	3K
Input rated current	7mA
Input delay	5ms
Switch threshold	7V/14V 2mA/4mA
electrical Isolation mode	Optocoupler isolation
Output	
Number of channels	16
Output type	The common terminal is 0V
Output current	0.2A
Output protection	Overload protection, overheating protection
Output protection reaction time	approximately 20ms
switching frequency	100HZ
Output voltage drop	0.6V
electrical Isolation mode	Optocoupler isolation
communication interface	
Number of communication interface	2
transmission mode	100Base-TX
Automatic consultation mechanism	YES
Automatic cross-flip	YES
Maximum transmission rate	100Mbit/s
Number of occupied stations	one station (64bit)
Default IPv4 address	192.168.3.* (* Represents the hexadecimal number corresponding to the dial switch)
The IP address setting function	Support for IPAddressSet, port number:61451 (Only network segments can be changed)
Default subnet mask	255.255.255.0
Communication data format	binary system
Operating temperature	0-55 $^{\circ}$ C

Input terminal



If COM is negative, connect the PNP sensor
If COM is positive, connect the NPN sensor

Output terminal

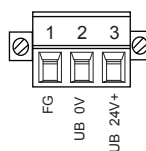


Note : UL is the Load power supply

Communication

RJ45 pin assignment	RJ45 plug
1. YE 2. OG 3. WH 4. N/C 5. N/C 6. BU 7. N/C 8. N/C	

Power Supply



Note : UB is the module power supply

module LEDS

Zone: I

POWER : Green LED light

ON : The module power supply (UB) is normal.

RUN : Green LED light

ON : Communication is normal

ERROR : communication is not established

IN/OUT : This port has two LEDS

Yellow LED light:

ON : Physical connections were established

Flash : Data exchange

Green LED light:

ON : Communication rate is 100M

OFF : Communication rate is not 100M

DIx : Yellow LED light

ON : Input active

DOx : Yellow LED light

ON : Input active

NC : not use

COM : not use

Module power terminal

Zone: II

UB+: Module power supply 24VDC positive;

0V : Module power supply 24VDC negative

FG : ground connection

Ethernet interface

Zone: III

IN : CC-Link IEF Basic BUS In

OUT : CC-Link IEF Basic BUS OUT

IO signal terminal

Zone: IV

DIx :This point is input.

DOx :This point is output.

NC :not use

COM : If COM is negative, connect the PNP sensor

If COM is positive , connect the NPN sensor

Address dialing

Zone: V

Default IP address is 192.168.3.* , * Represents the hexadecimal number corresponding to the dial switch;

ADDR_H is the upper digit of the hexadecimal number of the address

ADDR_L is the lower digit of the hexadecimal number of the address

For example:

ADDR_H is "A", ADDR_L is "9", so ADDR is "0xA9" ,

IP address is: 192.168.3.169;

ADDR_H is "2", ADDR_L is "8", so ADDR is "0x28" ,

IP address is: 192.168.3.40;

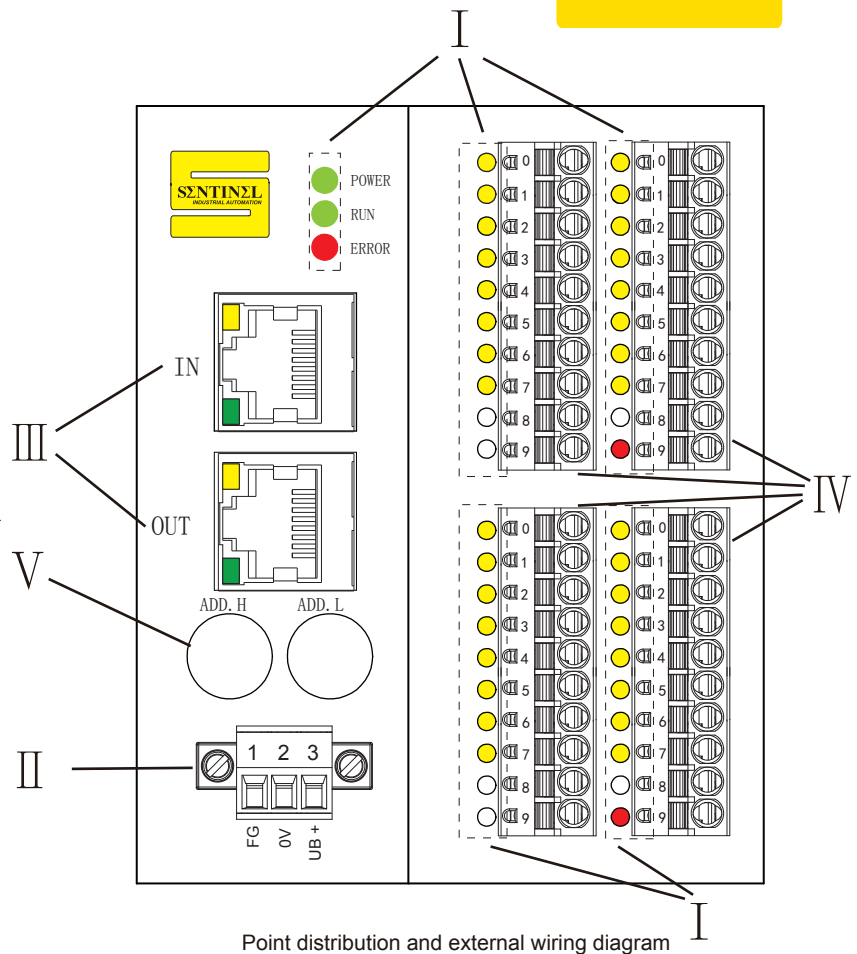
Remarks: After the address is changed, it will not take effect until it is powered on again

Input point mapping table

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
BYTE0	DI7	DI6	DI5	DI4	DI3	DI2	DI1	DI0
BYTE1	DIF	DIE	DID	DIC	DIB	DIA	DI9	DI8

Output point mapping table

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
BYTE0	DO7	DO6	DO5	DO4	DO3	DO2	DO1	DO0
BYTE1	DOF	DOE	DOD	DOC	DOB	DOA	DO9	DO8



Point distribution and external wiring diagram

