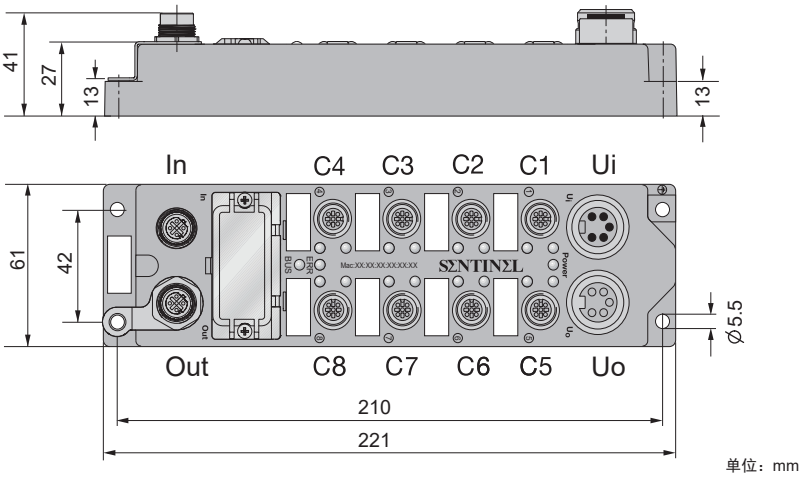
Remote I/O module conforming to the CC-Link IE Field Basic protocol

16 Digital outputs，0.5A per output

ELBC-OM16-0001

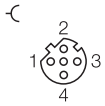


单位：mm

- CC-Link IE Field Basic remote I/O module
- Integrated Ethernet Switch
- Support 100Base-TX
- 2XM12,4-pin,D-code,Ethernet Fieldbus connection
- glass fiber housing
- Impact and vibration resistance
- Fully potted module electronics
- Copper-plated nickel connector
- Protection classes IP67

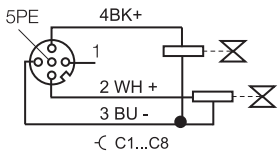
Modle	ELBC-OM16-0001
Supply voltage	24VDC ± 10%
Operating current	< 200mA
Current for powering the load	>8A
Output	
Number of channels	16
Output type	The common terminal is 0V
Output current	0.5A
Output protection	Overload protection, overheating protection
Output protection reaction time	approximately 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℃

Bus connector M12

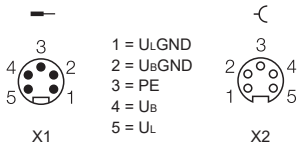


1 = TD+ (YE)
2 = RD+ (WH)
3 = TD - (OG)
4 = RD - (BU)

Output signal connector M12

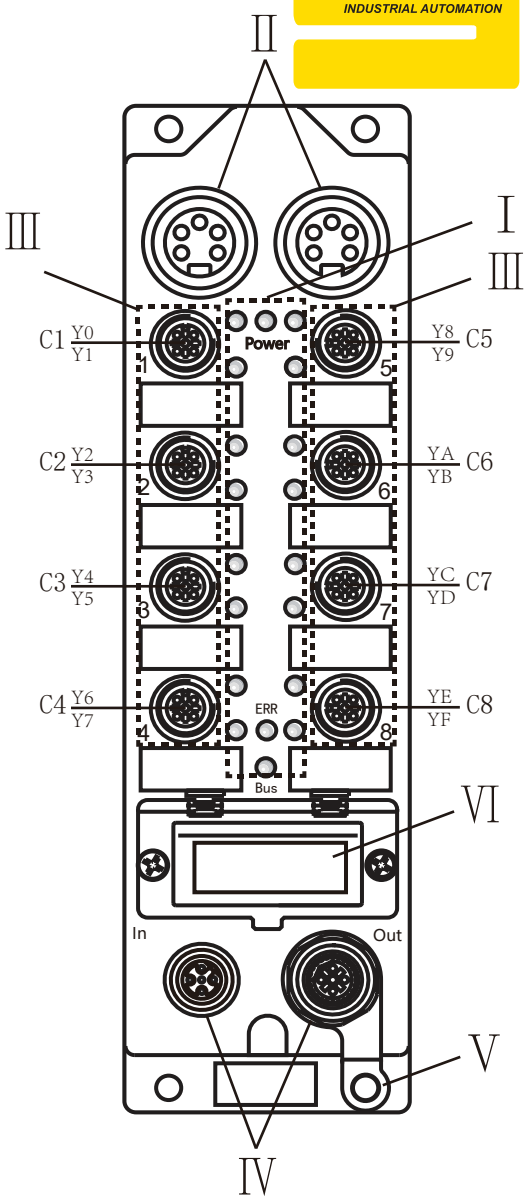


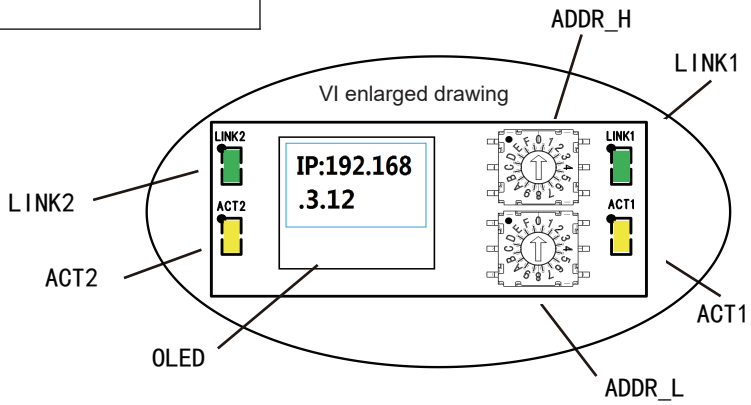
Power Supply Connector 7/8”



1 = U_LGND
2 = U_BGND
3 = PE
4 = U_B
5 = U_L

		Description	
I	module LEDS	LED name	Detailed introduction
		Power	Green LED lights: ON:The module power supply (Ub) is normal OFF:The module power supply is disconnected
		Bus/ERR	Green LED lights on : Communication is normal, and a data exchange has been established Red LED lights on : Communication was abnormal, and no data exchange was established
		X0 to XF OR Y0 to YF	Yellow LED lights: ON : Input or Output active OFF: Input or Output inactive (X : Input , Y : Output)
II	power suppy	Ui (left) : power suppy input , 7/8'', 5-pin , male Uo (right) : power suppy output , 7/8'', 5-pin , female	
III	Load connec-tion terminals	M12 A-code 5-pin , female C * indicates the * th port, X* represents the * bit in the input port, Y* indicates the * bit in the output port for example: $C1\frac{X0}{X1}$ means the C1 port is input, The fourth hole of the port is input X0, the second hole of the port is input X1. $C8\frac{Y6}{Y7}$ means the C8 port is output, The fourth hole of the port is output Y6, the second hole of the port is output Y7.	
IV	Bus	In (left) : Profinet Bus in , M12 , D-Code , 5-pin , female Out (right) : Profinet Bus out , M12 , D-Code , 5-pin , female	
V	PE	ground connection	
VI	Network status indicator	LINK2	Bus in , Green LED lights: ON : This port communication rate is 100M OFF: This port communication rate is not 100M
		ACT2	Bus in ,Yellow LED lights : ON : Physical connections have been established OFF: No connection Flash: This port has data exchange
		LINK1	Bus out , Green LED lights: ON : This port communication rate is 100M OFF: This port communication rate is not 100M
		ACT1	Bus in ,Yellow LED lights : ON : Physical connections have been established OFF: No connection Flash: This port has data exchange
	IP address setting	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	
	display screen	OLED display, showing the IP address of the module	





The C * P * represents the *th pin of the C * port; for example: The C2P2 represents pin 2 of the C2 port;
Y* represents the * th output point in the 16-bit data; for example: The Y8 represents the eighth input point.

Bit	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
Output	YF C8P2	YE C8P4	YD C7P2	YC C7P4	YB C6P2	YA C6P4	Y9 C5P2	Y8 C5P4	Y7 C4P2	Y6 C4P4	Y5 C3P2	Y4 C3P4	Y3 C2P2	Y2 C2P4	Y1 C1P2	Y0 C1P4