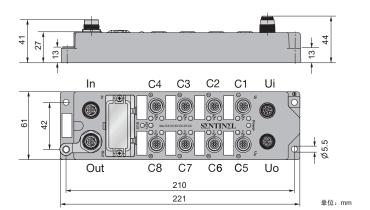
IO-Link modules for EtherNet/IP

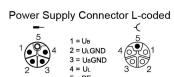
8 IO-Link Master Channels ELIP-8IOL-L001





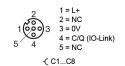
- Ethernet/IP IO-Link Master
- Integrated Ethernet Switch
- Support 100Base-TX
- 2 x M12, 4-pin, D-code, Ethernet Fieldbus connection
- 8 IO–Link Master Channels
- IO_Link V1.1
- IO-Link Master Port Type Class A
- IO-Link master port M12 A code
- Metal connector with high-strength plastic housing
- Impact and vibration resistance
- Fully potted module electronics
- Protection class IP67

Supply voltage	Model	ELIP-8IOL-L001			
Supply current IO-Link port parameters Number of ports Connectivity inputs Common IO pins Port supply current Port supply current Port supply current Port supply current The maximum is 2A, which is the current provided by the first hole to the device. The total of C1C4 does not exceed 4A The total of C5C8 does not exceed 4A IO-Link parameters SIO model Not Supported, The 4th hole cannot be used as a normal I/O. IO-Link Pin definition Pin 4 in IOL mode IO-Link Port type Class A, The second hole needs to be left empty. IO-Link specification V1.1 Frame type Support Busice Maximum 32Bytes Input / 32Bytes Output Transmission rate 4.8kbps(COM1) / 38.4kbps(COM2) / 230.4kbps(COM3) Ethernet/IP Number of communication interface 2 Transmission standard Auto-megotiation Supported Auto-megotiation Supported Auto-megotiation Maximum transmission rate 100Mbit/s Connector M12, D-coded, Female Default IP address segment IP address setting function Default subnet mask 255.255.255.0 Communication data format Binary	Supply voltage	24VDC ± 10%			
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IP address setting function support DHCP Default subnet mask 255.255.255.0 Communication data format Binary	Connector	M12, D-coded, Female			
Default subnet mask 255.255.255.0 Communication data format Binary	Default IP address segment	192.168.0.*			
Communication data format Binary	IP address setting function	support DHCP			
	Default subnet mask	255.255.255.0			
Operating temperature −20−55°C	Communication data format	Binary			
	Operating temperature	_20–55°C			

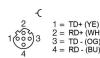


Note: Us is the module power supply, and UL is the load power supply Note: UL is not used inside the module, so it is unnecessary to connect it Ui to Uo is directly connected

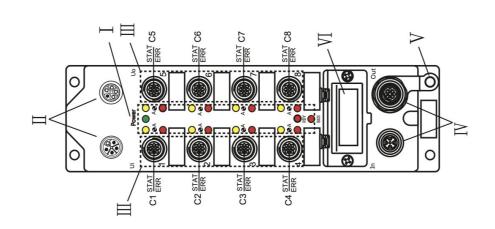
IO-Link Port Connector M12



Bus Connector M12

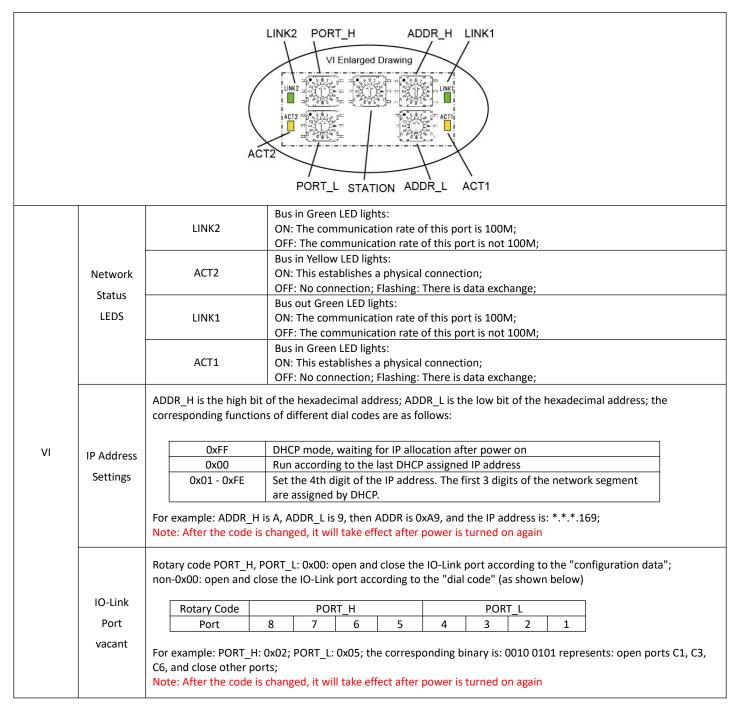






Area Code	Project	Description						
		LED name	Detail					
		Power	Green LED lights: ON: The module power supply (U _b) OFF: The module power supply is disconnected					
	Module	BUS	Green LED lights: ON: Ethernet/IP Communication is normal Red LED lights: ON: Ethernet/IP Communication interruption; Flashing: In DHCP mode, waiting for IP assignment					
I	LEDS	RDY	Red LED lights: ON: IO-Link There is an error in the port, which is inconsistent with the configuration;					
		STAT	Yellow LED lights: The IO-Link communication status of the port (C1-C8) ON: The IO-Link communication is normal; OFF: The IO-Link communication is not established;					
		ERR	Red LED lights: Working state of the port ON: The port is working abnormally; please check the IO-Link cable or the IO-Link port settings in the dial code OFF: There is no abnormality in this port; IO-Link is communicating normally or this port is closed or disabled during the dial switch.					
II	Power Supply		nput, L-coded, 5-pin, male / output, L-coded, 5-pin, female					
111	IO-Link PORT	1. M12 A-coded, 5-pin, external signals can be 2. In the figure, which ERR represents the wor For example: C1 STAT/E LED below is ERR; For d 3. Totally is 8 IO-Link p for class B device;	, female; Pin 4 is IO-Link, Dose not support SIO, i.e., Standard I/O mode; Pin 2 is empty, no					
IV	BUS	In (left): Ethernet/IP B	us in, M12 D-Code, 5-pin, female Bus out, M12 D-Code, 5-pin, female					
V	PE	Ground	, , , , , , , , , , , , , , , , , , ,					





IO-Link Port Byte Mapping

Data	Instance ID	Data length(Byte)
Configuration Data	151	4
Input Data	100	266
Output Data	150	256



1.IO-Link Configuration Data (Occupy 4 Byte)											
Byte	Description										
	8 bits represent the configuration of 8 ports IO-Link status: 0 off, 1 on										
Byte0		Bit	7	6	5	4	3	2	1	0	
		Port	C8	C7	C6	C5	C4	С3	C2	C1	
Byte1					re	serve					
Byte2	reserve										
Byte3	reserve										

2.IO-Link Process Dat	ta Input (Occupy 266 Byte)						
Byte	Description						
	8 bits represent the current IO-Link status of 8 ports: 1 is normal communication, 0 is no communication						
Byte0	Bit 7 6 5 4 3 2 1 0						
	Port C8 C7 C6 C5 C4 C3 C2 C1						
	8 bits represent IO-Link disconnection records of 8 ports: 1 means disconnection, 0 means no disconnection						
Byte1	Bit 7 6 5 4 3 2 1 0						
	Port C8 C7 C6 C5 C4 C3 C2 C1						
Byte2	C1 Port disconnection times						
Byte3	C2 Port disconnection times						
Byte4	C3 Port disconnection times						
Byte5	C4 Port disconnection times						
Byte6	C5 Port disconnection times						
Byte7	C6 Port disconnection times						
Byte8	C7 Port disconnection times						
Byte9	C8 Port disconnection times						
Byte10-Byte41	C1 Port process input data (32Byte)						
Byte42-Byte73	C2 Port process input data (32Byte)						
Byte74-Byte105	C3 Port process input data (32Byte)						
Byte106-Byte137	C4 Port process input data (32Byte)						
Byte138-Byte169	C5 Port process input data (32Byte)						
Byte170-Byte201	C6 Port process input data (32Byte)						
Byte202-Byte233	C7 Port process input data (32Byte)						
Byte234-Byte265	C8 Port process input data (32Byte)						



3.IO-Link Process Data Output (Occupy 256 Byte)				
Byte	Description			
Byte0-Byte31	C1 Port process output data (32Byte)			
Byte32-Byte63	C2 Port process output data (32Byte)			
Byte64-Byte95	C3 Port process output data (32Byte)			
Byte96-Byte127	C4 Port process output data (32Byte)			
Byte128-Byte159	C5 Port process output data (32Byte)			
Byte160-Byte191	C6 Port process output data (32Byte)			
Byte192-Byte223	C7 Port process output data (32Byte)			
Byte224-Byte255	C8 Port process output data (32Byte)			