



Serial To Ethernet Converter



Wide Application:

Supports TCP/IP and various industrial protocols.

Convenient Configuration:

Can be configured conveniently via RS232 with ZX-1010 scanner to meet various protocol application requirements.

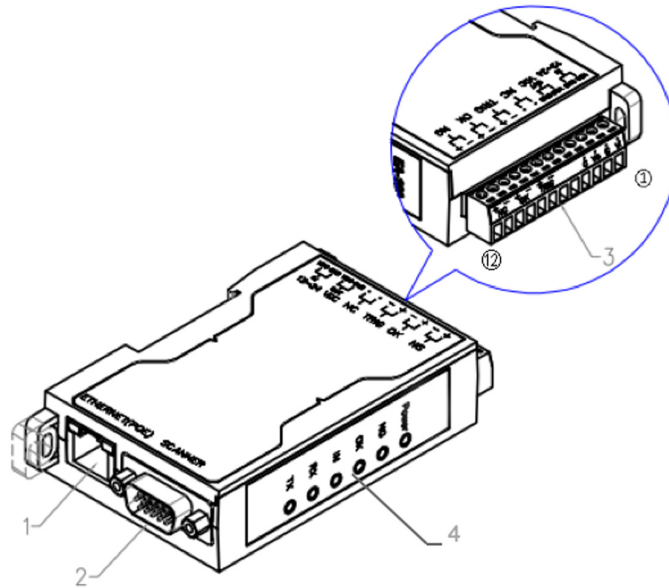
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Specification

Network Protocols:
IP, TCP/UDP, ARP, ICMP, IPV4
IP Acquisition Method:
Static IP, DHCP
Transmission Modes:
TCP Server/TCP Client/ UDP Server/UDP Client
Httpd Client:
Supported
TCP Server Connection:
Supports up to 16 TCP connections (customizable)
Network Buffer:
Send: 6Kbyte; Receive: 4Kbyte;
RS232 Buffer:
Receive: 800 bytes;
Average Transmission Delay:
<10ms
Dimensions:
107 (W) × 60 (D) × 24 (H) (mm)
Operating Current:
160 mA ±5% (Max.)
Operating Temperature:
-25°C to +75°C
Storage Temperature:
-40°C to +105°C

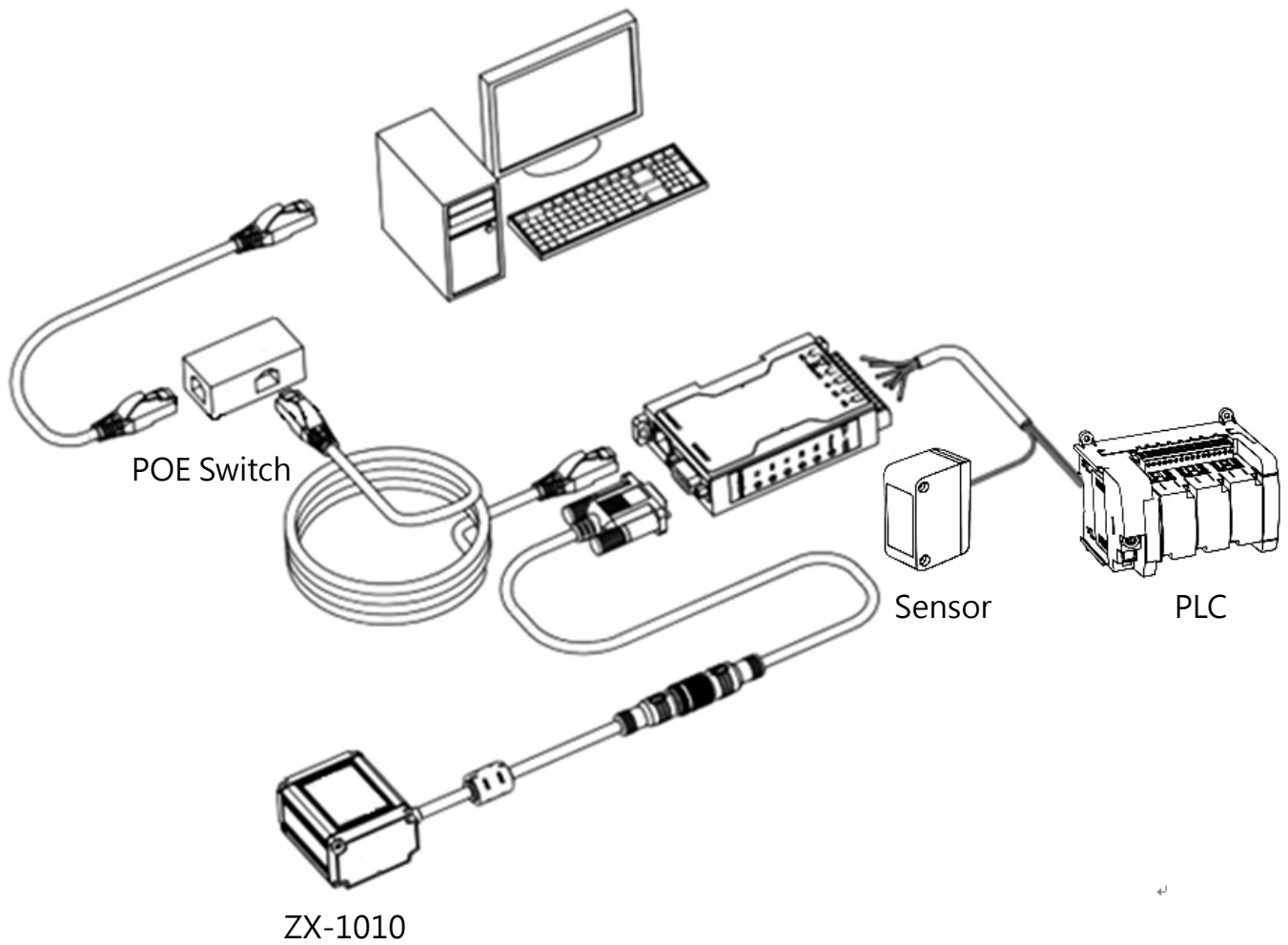
Product Outline



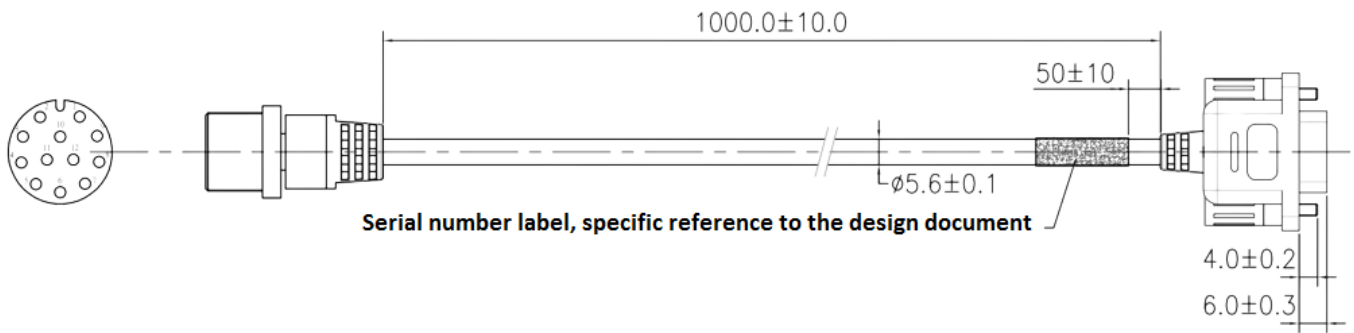
#	Product Component	Function Definition																																				
1	Ethernet port	<ul style="list-style-type: none"> Green light on: Ethernet connection is normal Yellow light blinking: Signal is normal, communicating Yellow light steady on: Network short circuit Yellow light off: Not communicating 																																				
2	DB15interface	Scanner interface connection																																				
3	External interface	<p>Provides various external functions, specifications as listed below</p> <table border="1"> <thead> <tr> <th>Pin</th> <th>Signal</th> <th>Serial To Ethernet Converter</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>VCC (+)input</td> <td>12 ~ 24 VDC input</td> </tr> <tr> <td>2</td> <td>GND (-)</td> <td>System ground interface</td> </tr> <tr> <td>3</td> <td>VCC (+)输出</td> <td>12 ~ 24 VDC output, fixed 12VDC output</td> </tr> <tr> <td>4</td> <td>GND (-)</td> <td>System ground interface</td> </tr> <tr> <td>5</td> <td>NC</td> <td>No connection</td> </tr> <tr> <td>6</td> <td>NC</td> <td>No connection</td> </tr> <tr> <td>7</td> <td>Photoelectric switch input (-)</td> <td rowspan="2">TRIG trigger signal input</td> </tr> <tr> <td>8</td> <td>Photoelectric switch input (+)</td> </tr> <tr> <td>9</td> <td>Decoding successful (-)</td> <td rowspan="2">Successful decode OK signal output</td> </tr> <tr> <td>10</td> <td>Decoding successful (+)</td> </tr> <tr> <td>11</td> <td>Decoding failure (-)</td> <td rowspan="2">Failed decode NG signal output</td> </tr> <tr> <td>12</td> <td>Decoding failure (+)</td> </tr> </tbody> </table>	Pin	Signal	Serial To Ethernet Converter	1	VCC (+)input	12 ~ 24 VDC input	2	GND (-)	System ground interface	3	VCC (+)输出	12 ~ 24 VDC output, fixed 12VDC output	4	GND (-)	System ground interface	5	NC	No connection	6	NC	No connection	7	Photoelectric switch input (-)	TRIG trigger signal input	8	Photoelectric switch input (+)	9	Decoding successful (-)	Successful decode OK signal output	10	Decoding successful (+)	11	Decoding failure (-)	Failed decode NG signal output	12	Decoding failure (+)
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4	Indicator Lights	Sequentially, the light indicators are as follows: Power light (orange), decoding failure signal light (red), decoding success signal light (green), trigger signal light (blue), scanner serial port input signal light (green), scanner serial port output signal light (green).																																				

Device Connection

Serial To Ethernet Converter **POE** Connection



Communication Output Cable



Aviation Pin Definition

Pin Definition	I/O	Function Description	
1	TXD	O	Output: TTL level 232 transmit data
2	nNoRead	O	Output: No read output
3	Shield GND	-	Ground: power and signal ground
4	nTrig	I	Input: Active low, signal used as trigger input to activate the engine to start a scan and decode session
5	nGoodRead	O	Output: Good read output
6	GND	-	Ground: power and signal ground
7	RXD	I	Input: TTL level 232 receive data
8	CTS	I/O	Output: Clear To Send
9	RTS	I/O	Output: Request To Send
10	VIN	-	Power: supply voltage input
11	D+	I/O	USB D+ differential data signal
12	D-	I/O	USB D- differential data signal

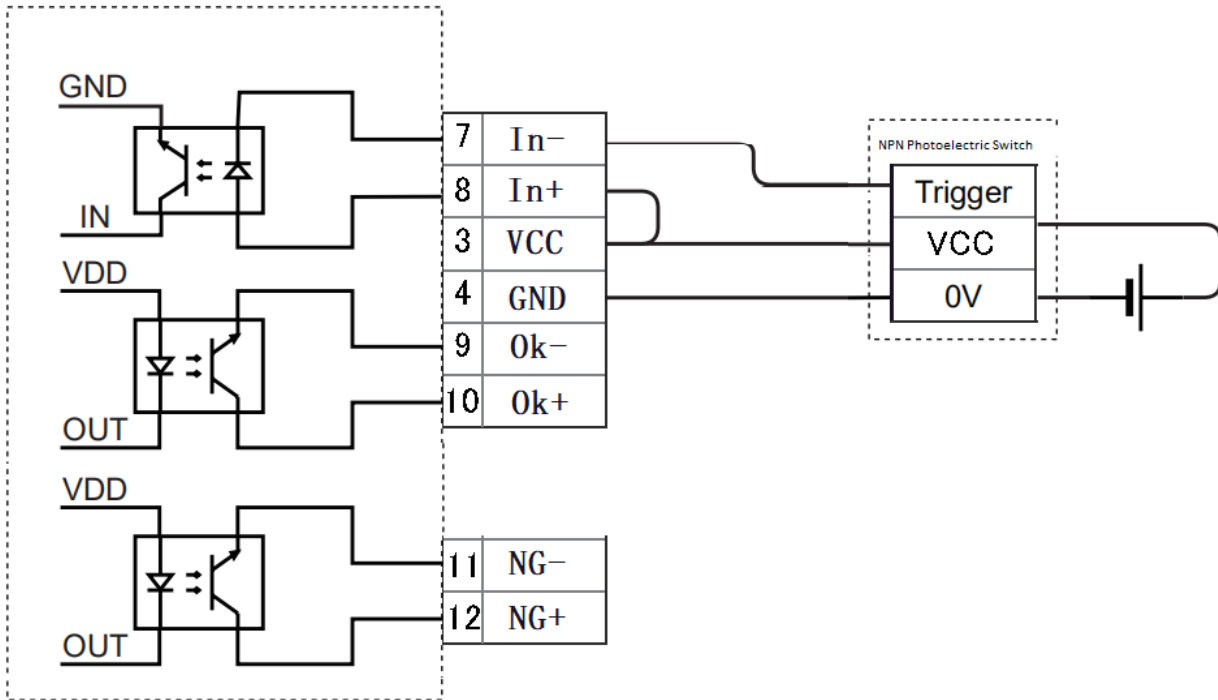
Ethernet R Pin Definition

J1 (2*6)	J2 (DB-9)	Define	Wire Color
5	2	TXD	White
2	8	RTS	Blue
4	3	RXD	Green
3	7	CTS	Orange
12	5	GND	Black
8	1	+5V	Red
6	Shield	Shield GND	Braided

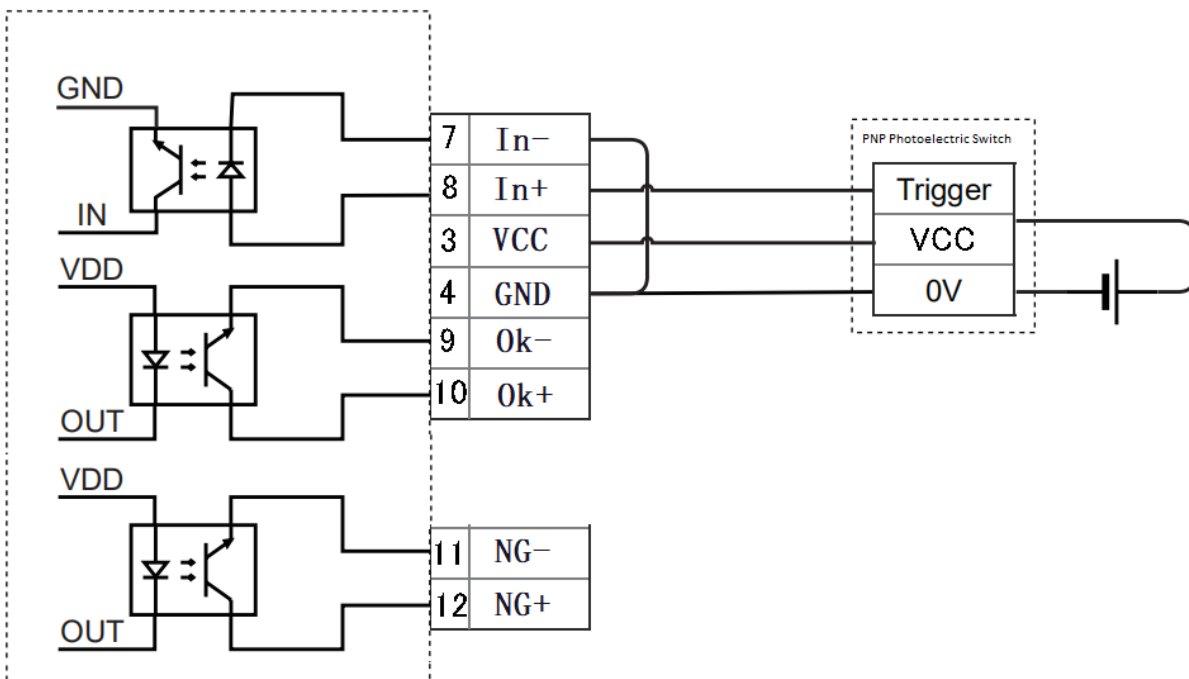
External Interface

Input (TRIG) Wiring Instructions

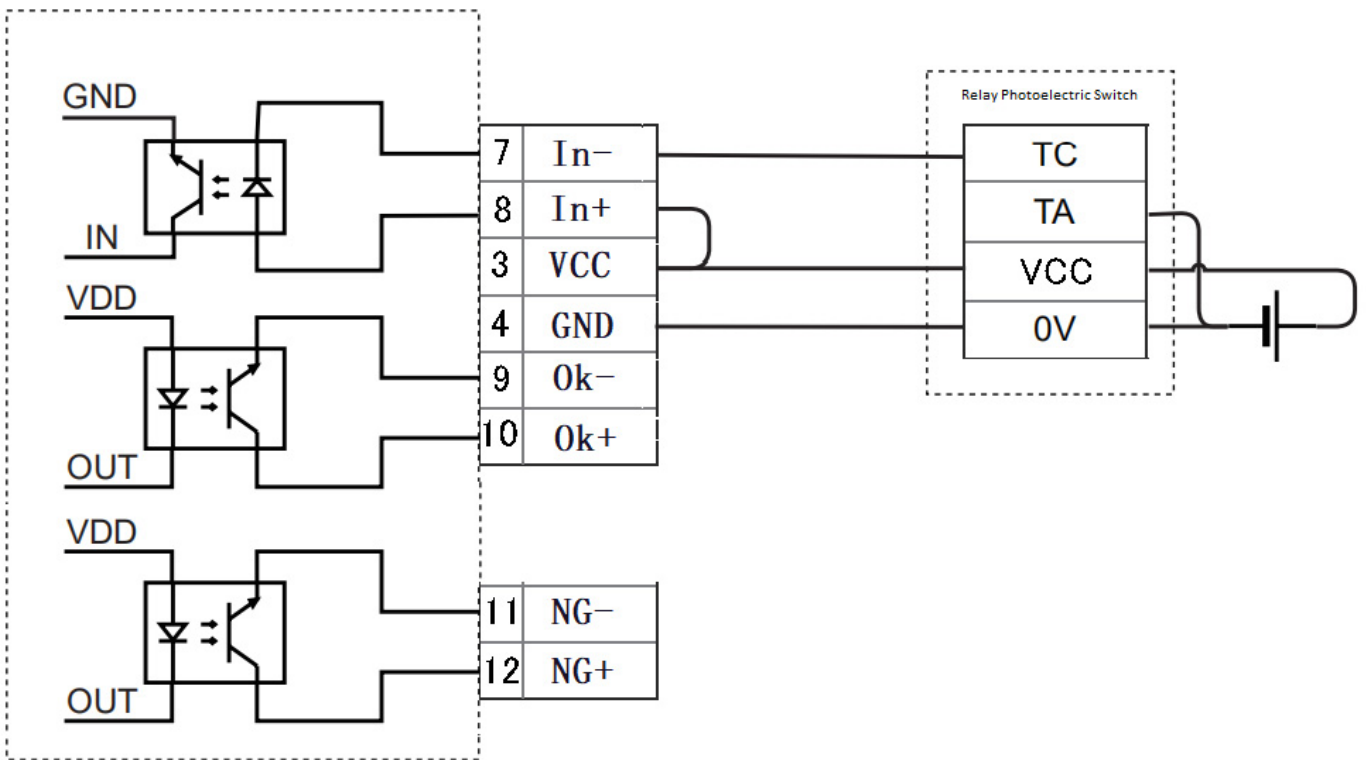
NPN Photoelectric Switch Input



PNP Photoelectric Switch Input

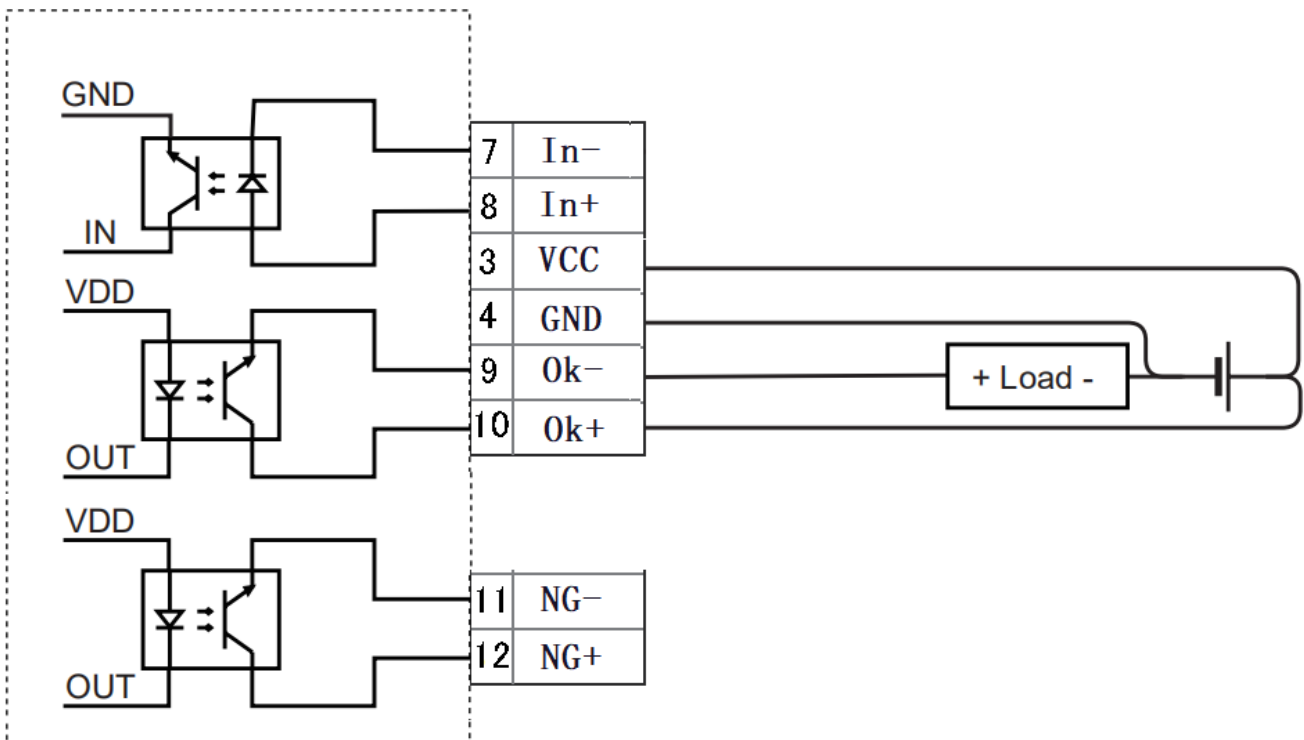


Relay Photoelectric Switch Input



Output Wiring Instructions

Output Decoding Successful Signal (OK Indicator)



Output Decoding Failure Signal (NG Indicator)

