

ioLogik E1500 Series Quick Installation Guide

Ethernet Remote I/O

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Package Checklist

- 1 ioLogik E1500 series remote I/O product
- Quick installation guide (printed)

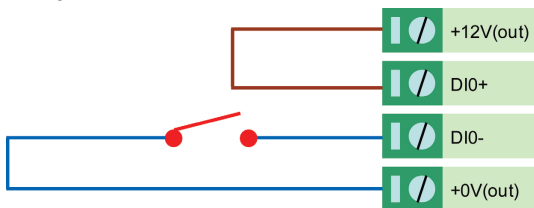
Specifications

System	
Ethernet	10/100 Mbps, M12 connector
Protection	1.5 KV magnetic isolation
Protocols	Modbus/TCP, TCP/IP, UDP, DHCP, Bootp, HTTP
Power Input	24 VDC nominal, 12 to 48 VDC
Wiring	I/O cable, max. 14 AWG
Dimensions	144 x 124 x 30 mm (5.67 x 4.88 x 1.18 in)
Weight	825 g
Operating Temperature	-40 to 85°C (-40 to 185°F)
Storage Temperature	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)
Altitude:	Up to 2000 m
Note: Please contact Moxa if you require products guaranteed to function properly at higher altitudes.	
Standards and Certifications	UL 508, EN 50155, EN 50121-3-2, EN 50121-4
Warranty Period	5 years
Details	See www.moxa.com/warranty
Digital Input	
Sensor Type	NPN, PNP, and Dry contact
I/O Mode	DI or Event Counter
Dry Contact	<ul style="list-style-type: none">• On: short to GND• Off: open
Wet Contact	<ul style="list-style-type: none">• On: 0 to 3 VDC• Off: 10 to 30 VDC
Isolation	3k VDC or 2k Vrms
Counter/Frequency	250 Hz, power off storage
Digital Output	
I/O Mode	DO or Pulse Output
Pulse Wave Width/Frequency	1 ms/500 Hz
Over-voltage Protection	45 VDC
Over-current Protection	2.6 A (4 channels @ 650 mA)
Over-temperature Shutdown	175°C (typical), 150°C (min.)
Current Rating	200 mA per channel
Isolation	3k VDC or 2k Vrms

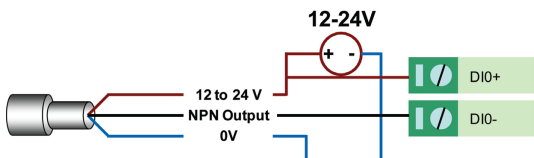
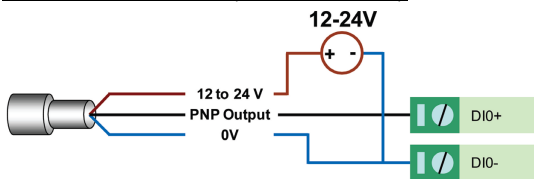
Installation

I/O Wiring

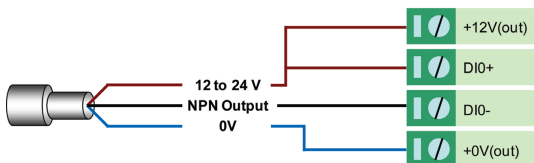
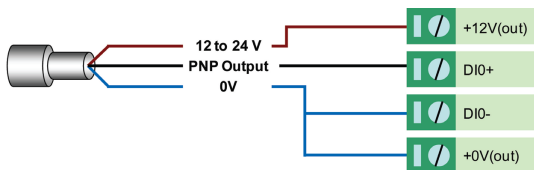
DI dry contact mode



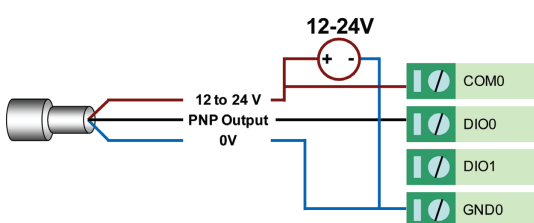
DI wet contact mode (Ch-Ch isolation)

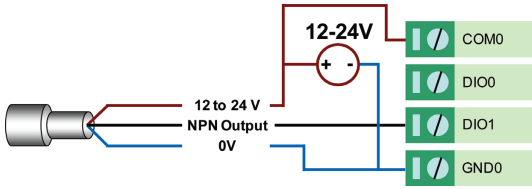


DI wet contact PNP/NPN mode (No CH-CH isolation)

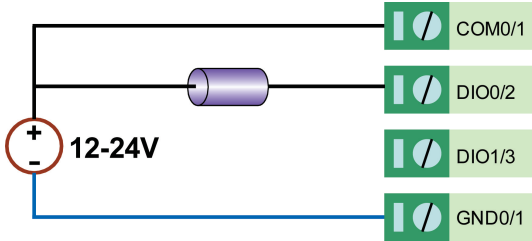


DIO DI wet contact mode (no CH-CH isolation)





DIO DO sink mode



Mounting and Cabling

The ioLogik E1500 can be used with both DIN rail and wall mounts. When mounting on a DIN rail, release the bottom mounting kit, install the ioLogik on the rail, and then restore the bottom mounting kit to fix the ioLogik to the rail. When using wall mounting, release both the upper and bottom DIN rail kits.

The ioLogik E1500 has an M12 Ethernet port for connecting either a standard direct-Ethernet or crossover-Ethernet cable via a locking M12 connector.

Power and Networking

Connect the +12 to +48 VDC power line to the ioLogik E1500's terminal block V+ terminal, and connect the ground from the power supply to the V- terminal. If an earth ground is available, connect the ground pin (⚡).

LED Indicators

Type	Color	Description
PWR	Green	System power in ON
	Off	System power is OFF
RDY	Green	System is ready
	Green Blinking	Located
	Red	System Booting-up Error
	Green/Red Blinking	Safe Mode
	Red Blinking	Firmware upgrade (LED flashes for 3 seconds then stays red until restart)
	Off	System is not ready
LAN	Green	100 Mbps
	Amber	10 Mbps
	Blinking	Data Transmitting
	Off	Ethernet Off

Type	Color	Description
EXP	Green	Expansion Mode Ready
	Red	Configuration Failure
	Off	Stand-alone Mode
DI	Green	Channel ON
	Off	Channel OFF
DIO	Green	Channel ON
	Off	Channel OFF

System Configuration

Configuration via Web Console

Configuration of an ioLogik E1500 is done via the web console.

- Default IP Address: 192.168.127.254
- Subnet Mask: 255.255.255.0

Note: Be sure to configure the host PC's IP address to the same subnet as the ioLogik E1500. For example, 192.168.127.253.

ioSearch Utility

ioSearch is a search utility that helps users locate an ioLogik E1500 on the local network. The latest version of the utility can be downloaded from Moxa's website.

Load Factory Default Settings

There are three ways to restore the ioLogik E1500 to the factory default settings.

1. Remove the two screws and the aluminum plate, and then press and hold the **RESET** button for **5 seconds**.
2. Right click the specified ioLogik in the ioSearch utility and select **Reset to Default**.
3. Select **Load Factory Default** from the web console.

Modbus Address Table

Refer to the user's manual for details of the ioLogik's Modbus address, or refer to the start address of the I/O channels in the web console under User-defined Modbus Addressing → Default Address.

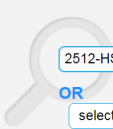
How to Download the Software

Step 1: Click on the following link to open the Support & Downloads search tool:

http://www.moxa.com/support/support_home.aspx?isSearchShow=1

Step 2: Type the model name in the search box or select a product from the drop down box and then click **Search**.

Support & Downloads



OR

Please choose a model :

- ioLogik 2512-HSPA

Step 3: Click the **Software Packages** link to download the latest software for the product.

ioLogik 2512-HSPA

Documentation <ul style="list-style-type: none">• Datasheets• Manuals	Software <ul style="list-style-type: none">• Firmware• Libraries• Software Packages• Utilities	Other <ul style="list-style-type: none">• Product Page
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