ioLogik E2200 Series
Quick Installation Guide

Smart Ethernet Remote I/O

Version 1.1, January 2021

Package Checklist

- 1 ioLogik E2200 series remote I/O product
- Quick installation guide (printed)
- LDP1602 LCD Module (Optional)

Specifications

Ethernet Interface	
10/100BaseT(X) Ports (RJ45 connector)	1
Magnetic Isolation Protection	1.5 kV (built-in)
Ethernet Software Features	
Configuration Options	Web Console (HTTP), Windows Utility
Industrial Protocols	CGI commands, Modbus TCP Server (Slave), Moxa AOPC (Active Tag), MXIO Library, SNMPv1 Trap, SNMPv1/v2c/v3
Management	ioAdmin, BootP, IPv4, SMTP, DHCP Client, HTTP, Web Console, TCP/IP
MIB	Device Settings MIB
Time Management	SNTP
Serial Interface	
Baudrate	1200 bps to 115,200 kbps
Connector	Terminal block
No. of Ports	1
Parity	None
Serial Standards	RS-485
Stop Bits	8
Serial Signals	
RS-485-2w	Data+, Data-, GND
Power Parameters	
Input Voltage	12 to 36 VDC
No. of Power Inputs	1
Power Connector	1 removable 6-contact terminal block
Power Consumption	ioLogik E2210 Series: 202 mA @ 24 VDC ioLogik E2212 Series: 136 mA @ 24 VDC ioLogik E2214 Series: 170 mA @ 24 VDC ioLogik E2240 Series: 198 mA @ 24 VDC ioLogik E2242 Series: 178 mA @ 24 VDC ioLogik E2260 Series: 95 mA @ 24 VDC ioLogik E2262 Series: 160 mA @ 24 VDC
Physical Characteristics	
Dimensions	115 x 79 x 45.6 mm (4.53 x 3.11 x 1.80 in)
Weight	250 g (0.55 lb)
Installation	DIN-rail mounting, wall mounting
Wiring	I/O cable, 16 to 26 AWG Power cable, 16 to 26 AWG

| Environmental Limits	
Operating Temperature	Standard Models: -10 to 60°C (14 to 140°F) Wide Temp. Models: -40 to 75°C (-40 to 167°F)
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)
Altitude	2000 m (Please contact Moxa if you require products guaranteed to function properly at higher altitudes.)

LED Indicators

LED	Light	Description
PWR	Off	System power off
	Red	System power on
RDY	Off	System not ready
	Green	System ready
	Red	System error
	Green, blinking	Click & Go running
	Green/Red, blinking	System in Safe mode
Serial	Off	Serial port not connected
	Red	Serial port connected
	Blinking	Data sending and receiving
Ethernet	Off	Ethernet port not connected
	Amber	10 Mbps connected
	Green	100 Mbps connected
	Blinking	Data sending and receiving
DI	Off	DI status off
	Green	DI status on
DO	Off	DO status off
	Red	DO status on
DIO	Off	DI or DO status off
	Green	DI mode and status on
	Amber	DO mode and status on
AI	Off	AI channel disabled Transmitter not connected when in 4 to 20 mA mode
	Green	AI channel enabled
RTD	Green	RTD status on
	Red	RTD transmitter not connected
TC	Green	TC status on
	Red	TC transmitter not connected
DO Power	Off	External power off or not connected
	Red	External power on

I/O Wiring Diagrams

**DI Dry Contact**
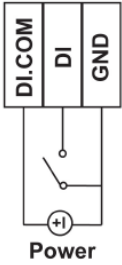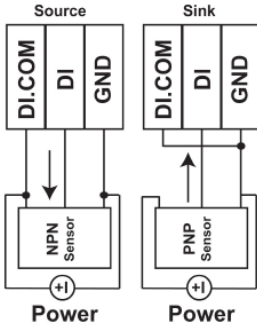
DI Wet Contact

| Contact Type	Power Source Requirement
Dry Contact	A **dry Contact** does not need to be connected to a power source to function properly.*
Wet Contact	A **wet Contact** must be connected to a power source to function properly.

*Some users connect dry contacts to a power source for added stability. Depending on your application, you can decide whether or not to connect your dry contacts to power sources.
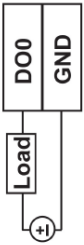
Voltage   **Thermocouple**

TC0+ TC0-   TC0+ TC0-
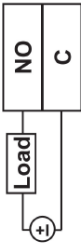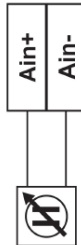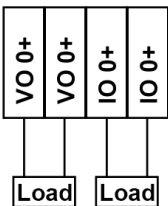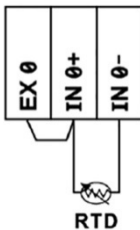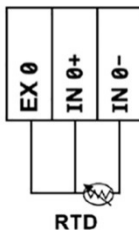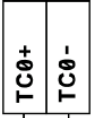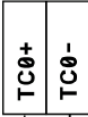
+/- 78.126mV
+/- 39.062mV
+/- 19.532mV

J-type sensor
K-type sensor
T-type sensor
E-type sensor
R-type sensor
S-type sensor
B-type sensor
N-type sensor

Mounting

There are two ways to mount the ioLogik E2200 Series: DIN rail or wall mounting.

- **Mounting on a DIN rail**
  Pull out the bottom slider; latch the unit onto the DIN rail, and then push the slider back in.
- **Mounting on a wall**
  Pull out both the top and bottom sliders and align the screws accordingly. The heads of the screws should be less than 6.0 mm in diameter, and the shafts should be less than 3.5 mm in diameter, as shown in the figure.

6.0 mm
3.5 mm
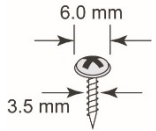
Connecting to the ioLogik E2200

You have two ways to connect to the ioLogik E2200: by ioAdmin or by 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 E2200. For example, 192.168.127.253

Restore Factory Defaults

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

1. Hold the RESET button for 5 seconds.
2. Right-click on the specific ioLogik in the ioAdmin utility and select **Reset to Default**.
3. Select **Load Factory Default** from the web console.

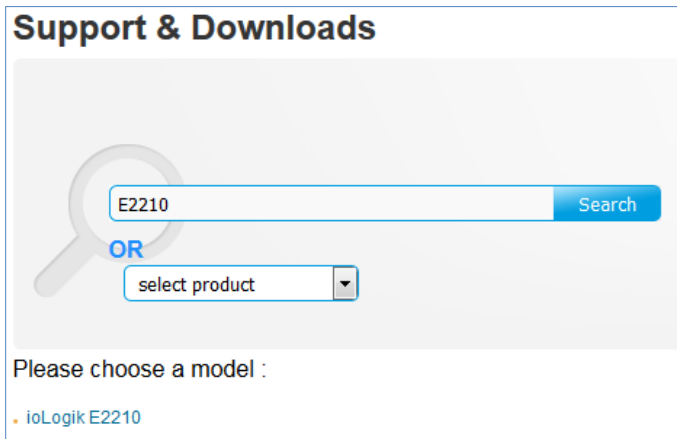**NOTE** Refer to the user's manual for detailed configuration and settings information.

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**.

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