ioLogik E1200 Series
Quick Installation Guide

Ethernet Remote I/O

Version 7.0, May 2026

Technical Support Contact Information
www.moxa.com/support

P/N: 1802012001017

Package Checklist

- 1 ioLogik E1200 Series remote I/O product
- Quick installation guide (printed)

Specifications

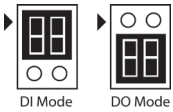
Input Current	400 mA (maximum), Class 2
Power Consumption	ioLogik E1210 Series: 110 mA @ 24 VDC ioLogik E1211 Series: 150 mA @ 24 VDC ioLogik E1212 Series: 130 mA @ 24 VDC ioLogik E1213 Series: 150 mA @ 24 VDC ioLogik E1214 Series: 110 mA @ 24 VDC ioLogik E1240 Series: 125 mA @ 24 VDC ioLogik E1241 Series: 130 mA @ 24 VDC ioLogik E1242 Series: 145 mA @ 24 VDC ioLogik E1260 Series: 125 mA @ 24 VDC ioLogik E1262 Series: 125 mA @ 24 VDC
Input Voltage	12 to 36 VDC
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	-40 to 85°C (-40 to 185°F)

Model	**I/O Rating**
ioLogik E1210	DI Contact Off: 0 to 3 VDC, On: 10 to 30 VDC
ioLogik E1211	DO per channel: 200 mA
ioLogik E1212	DI Contact Off: 0 to 3 VDC, On: 10 to 30 VDC DO per channel: 200 mA
ioLogik E1213	DI Contact Off: 0 to 3 VDC, On: 10 to 30 VDC DO per channel: 500 mA
ioLogik E1214	DI Contact Off: 0 to 3 VDC, On: 10 to 30 VDC Relay output: 5 A, 250 VAC, or 5 A, 110 VAC, or 5 A, 30 VDC, Resistive Load
ioLogik E1240	AI: 0 to 10 VDC, 0 to 20 mA
ioLogik E1241	AO: 0 to 10 VDC, 0 to 20 mA
ioLogik E1242	AI: 0 to 10 VDC, 0 to 20 mA DI Contact Off: 0 to 3 VDC, On: 10 to 30 VDC DO per channel: 200 mA
ioLogik E1260	RTD input: [PT50, PT100, PT200, PT500] (-200 to 850°C), PT1000 (-200 to 350°C), Resistance of 310, 620, 1250, 2200 ohms
ioLogik E1262	Thermocouple input: J (0 to 750°C), K (-200 to 1250°C), T (-200 to 350°C), E (-200 to 900°C), R (-50 to 1600°C), S (-50 to 1760°C), B (600 to 1700°C), N (-200 to 1300°C)

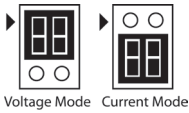
Installation

Jumper Settings

Models with DIO, AI, or external power channels require configuring the jumpers inside the enclosure. Remove the screw on the back panel and open the cover to configure the jumpers.

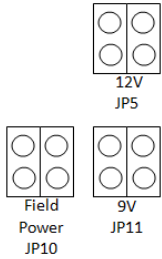


The above shows DIO mode configurations (Default: DO Mode).



The above shows analog input mode configurations (Default: Voltage Mode).

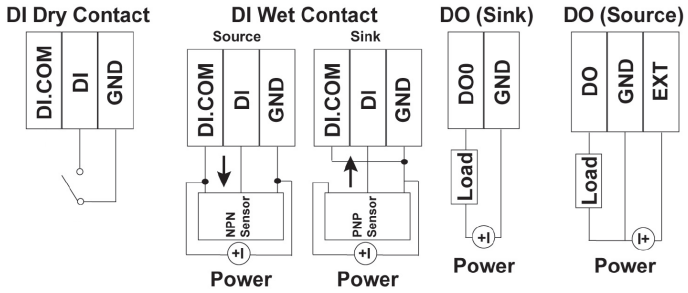
DOs on the ioLogik E1213 have three possible external (EXT) power configurations, which are shown to the right. Only one field power can be selected at a time (JP10/12V JP5/9V JP11) and the jumper must be inserted vertically, not horizontally (Default: Field Power JP10).



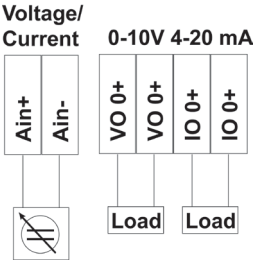
NOTE The ioLogik E1213 has four pure DO channels and four hybrid DIO channels. For the four pure DO channels, use the jumpers to select the power configuration output (i.e., field power, 12 V, 9 V). But for the four hybrid DIO channels, you cannot use the jumpers to select the power configuration output. Instead, you can only use the jumpers to set the DIO channels to either DI mode or DO mode.

I/O Wiring

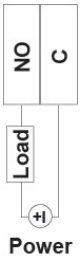
Digital Inputs/Outputs



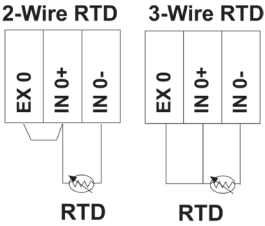
Analog Inputs/Outputs



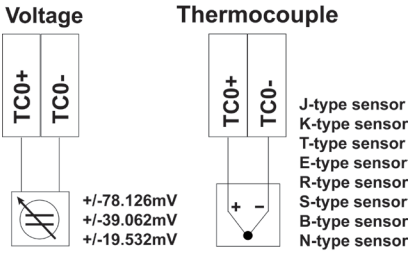
Relay Output (Form A)



RTD Inputs



TC Inputs



NOTE When wiring the I/O wiring, we suggest using 16-22 AWG (1.5-0.324 mm^2) as a cable and the corresponding pin-type cable terminals. The stripping length is recommended to be 5 to 6 mm. Use copper conductors only. Use only one conductor on a clamping point on the terminal block, and tighten the wire with a screw to a torque of 0.339 N-m (3 lb-in). Rated cable temperature > 108.2°C.

NOTE A "load" in a circuit schematic is a component or portion of the circuit that consumes electric power. For the diagrams shown in this document, "load" refers to the devices or systems connected to the remote I/O unit.

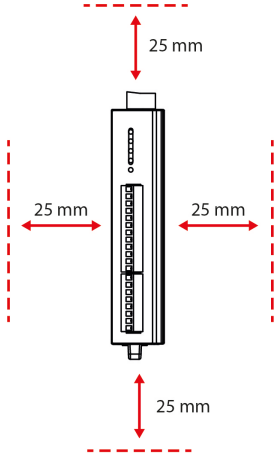
Mounting

Two sliders on the unit's back enable DIN rail and wall mounting.

1. **Mounting on a DIN rail:** Pull out the bottom slider; latch the unit onto the DIN rail and push the slider back in.
2. **Mounting on the wall:** Pull out both the top and bottom sliders and align the screws accordingly.

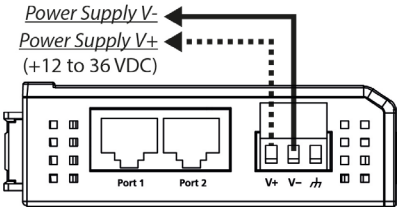
Horizontal Installation

Before installing the device, make sure there is enough space between the device and nearby items (walls, other devices, etc.) to ensure proper heat dissipation. We suggest reserving the amount of space shown in the adjacent figure.



Connecting the Power

Connect the +12 to +36 VDC power line to the ioLogik E1200's terminal block V+ terminal. Connect the ground from the power supply to the V- terminal. Connect the ground pin (⏚) if earth ground is available.



NOTE When wiring the power inputs, we suggest using 12 to 20 AWG (4-0.5 mm^2) as a cable and the corresponding pin-type cable terminals. The stripping length is recommended to be 7mm. Use copper conductors only. Use only one conductor on a clamping point on the terminal block, and tighten the wire with a screw to a torque of 0.791 N-m (7 lb-in). Rated cable temperature > 108.2°C.

Connecting to the Network

The ioLogik E1200 has two built-in RJ45 Ethernet ports for connecting standard direct or crossover Ethernet cables.

LED Indicators

Type	Color	Description
Power	Amber	System power is ON
	Off	System power is OFF
Ready	Green	System is ready
	Flashing	Flashes every 1 s. when the "Locate" function is triggered
	Flashing	Flashes every 0.5 s. when the firmware is being upgraded
	Flashing	An on/off period cycle: 0.5 s. shows "Safe Mode"
	Off	System is not ready.
Port 1	Green	Ethernet connection enabled
	Flashing	Transmitting or receiving data
Port 2	Green	Ethernet connection enabled
	Flashing	Transmitting or receiving data
EXT (E1213 only)	Green	EXT field power input is connected
	Off	EXT field power input is disconnected

System Configuration

Configuration via Web Console

The main configuration of an ioLogik E1200 is by web console.

- Default IP Address: 192.168.127.254
- Subnet Mask: 255.255.255.0
- Default password: moxa

NOTE Be sure to configure the host PC's IP address to the same subnet as the ioLogik E1200. For example, 192.168.127.253

ioSearch Utility

ioSearch is a search utility that helps users locate an ioLogik E1200 on the local network. The utility can be downloaded from Moxa's website.

Load Factory Default Settings

Three methods restore the ioLogik E1200 to factory default settings.

1. Hold the RESET button for five seconds.
2. In the ioSearch utility, right-click on the ioLogik device to be reset 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.

WARNING

사용자안내문

이 기기는 업무용 환경에서 사용할 목적으로 적합성평가를 받은 기기로서가정용 환경에서 사용하는 경우 전파간섭의 우려가 있습니다.

기 종별
A 급 기기 (업무용 방송 통신기 자재)

사용자안내문
이 기기는 업무용 (A 급) 전자파 적합 기기로서 판매자 또는 사용자는 이 점을 주의하시기 바라며 가정 외의 지역에서

ATTENTION

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

ATTENTION

These devices are OPEN-TYPE and are required to be installed in a suitable enclosure for the environment such that the devices can only be accessed with the use of a tool.

ATTENTION

These devices are suitable for use in Class I, Division 2, Groups A, B, C, and D, or nonhazardous locations only.

ATTENTION

These devices are intended for use in a Pollution Degree 2 environment.

ATEX Information

Trademark	MOXA®
Models/Rating	Models: • ioLogik E1210, ioLogik E1210-T • ioLogik E1211, ioLogik E1211-T • ioLogik E1212, ioLogik E1212-T • ioLogik E1214, ioLogik E1214-T • ioLogik E1240, ioLogik E1240-T • ioLogik E1241, ioLogik E1241-T • ioLogik E1260, ioLogik E1260-T • ioLogik E1262, ioLogik E1262-T Rating: 12 to 36 VDC, 400 mA (max.), Class 2 **Only for ioLogik E1214 Series:** Relay output: 250 VAC, 5 A or 110 VAC, 5 A or 30 VDC, 5 A (resistive load)
ATEX Information	**Only for ioLogik E1214 Series:** CE Ex II 3G Ex ec nC IIC T4 Gc DEMKO 13 ATEX 1210600X Ambient Range: -40°C ≤ Tamb ≤ +75°C for model suffix with "-T" Ambient Range: -10°C ≤ Tamb ≤ +65°C for model suffix without "-T"
	For these models, the marking should be as follows: ioLogik E1210, E1211, E1212, E1240, E1241, E1242, E1260, and E1262 Series: CE Ex II 3G Ex ec IIC T4 Gc DEMKO 13 ATEX 1210600X Ambient Range: -40°C ≤ Tamb ≤ +75°C for model suffix with "-T" Ambient Range: -10°C ≤ Tamb ≤ +65°C for model suffix without "-T"

Special Usage Conditions

- The equipment shall be installed in an enclosure that provides a minimum ingress protection of IP54 in accordance with EN IEC 60079-0.
- The equipment shall only be used in an area of at least pollution degree 2, as defined in EN IEC 60664-1.

BSMI Information

WARNING

為避免電磁干擾，本產品不應安裝或使用於住宅環境。

限用物質含有情況標示聲明書

Declaration of the Presence Condition of the Restricted Substances Marking

設備名稱:分布式 I/O 模塊 Equipment name				型號（型式）：ioLogik E1200 Series (及其系列型號) Type designation (Type)		
單元 Unit	限用物質及其化學符號 Restricted substances and their chemical symbols					
	鉛 Lead (Pb)	汞 Mercury (Hg)	鎘 Cadmium (Cd)	六價鉻 Hexavalent chromium (Cr^{+6})	多溴聯苯 Polybrominated biphenyls (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)
外殼	○	○	○	○	○	○
印刷電路板及其電子組件	-	○	○	○	○	○
電纜/電線/連接器	-	○	○	○	○	○
機械部件-金屬	-	○	○	○	○	○
機械部件-非金屬	○	○	○	○	○	○

備考 1. "超出 0.1 wt %"及"超出 0.01 wt %"係指限用物質之百分比含量超出百分比含量基準值。

Note 1: "Exceeding 0.1 wt %" and "exceeding 0.01 wt %" show that the percentage content of the restricted substance exceeds the reference percentage value of the presence condition.

備考 2. "○"係指該項限用物質之百分比含量未超出百分比含量基準值。

Note 2: "○" indicates that the percentage content of the restricted substance does not exceed the percentage of the reference value of presence.

備考 3. " - " 係指該項限用物質為排除項目。

Note 3: The " - " indicates that the restricted substance corresponds to the exemption.

製造商資訊

Moxa 四零四科技股份有限公司
+886-3-2737575
桃園市八德區和平路 1111 號