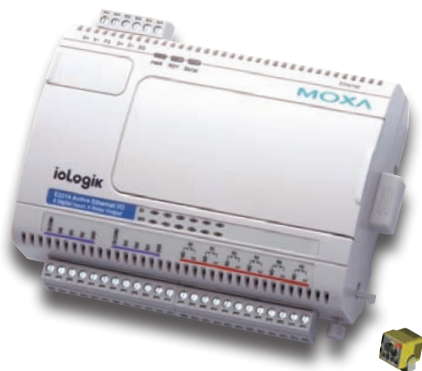


ioLogik E2214

Active Ethernet I/O with 6 digital inputs and 6 relay outputs



- > 6 DIs supporting PNP, NPN, and dry contact
- > 6 Form A relay outputs (Normal Open)
- > Relay specifications: 5 A @ 250 VAC, 5 A @ 30 VDC
- > Instant event messaging by TCP/UDP/email/SNMP-trap
- > DI and Relay counter saved when the power is shut off
- > PC-based configuration utility and web console
- > Power On default relay status setting with sequence
- > Easy-to-use Click&Go™ Logic for local output control
- > Windows/Wince VB/VC.NET and Linux C APIs
- > I/O control over Modbus/TCP and SNMP protocol



Introduction

Remote Ethernet Relay Control

The ioLogik E2214 is a stand-alone Active Ethernet I/O product with 6 digital inputs and 6 relay outputs. The DIN-Rail mountable E2214 can be connected to digital switches, alarm lights, buzzers, and warning sirens over Ethernet and IP-based networks. The ioLogik E2214 also

records the built-in relay output usage counter. Even when a sudden power failure is encountered, the ioLogik E2214 will still be able to record the relay output usage counter in its internal memory before the power shuts down completely.

Specifications

LAN

Ethernet: 1 x 10/100 Mbps, RJ45

Protection: 1.5 KV magnetic isolation

Protocols: Modbus/TCP, TCP/IP, UDP, DHCP, Bootp, SNMP (MIB for I/O and Network), HTTP, CGI, SNTp

Serial Communication

Interface: RS-485-2w: Data+, Data-, GND

Serial Line Protection: 15 KV ESD for all signals

Serial Communication Parameters

Parity: None

Data Bits: 8

Stop Bits: 1

Flow Control: None

Baudrate: 1200 to 115200 bps

Protocol: Modbus/RTU

Digital Input

Channels: 6, source/sink selectable

Sensor Type: NPN, PNP, and Dry contact

I/O Mode: DI or Event Counter (up to 900 Hz)

Dry Contact:

• Logic 0: short to GND

• Logic 1: open

Wet Contact:(For Source Type)

• Logic 0: 0 to 3 VDC

• Logic 1: 10 to 30 VDC (DI COM to DI)

Common Type: 6 points per COM

Isolation: 3K VDC or 2K Vrms

Counter/Frequency: 900 Hz, power off storage

Digital Filtering Time Interval: Software selectable

Over-voltage Protection: 36 VDC

Poweroff Counter Memory: 48 bytes

Relay Counter Saving: Yes

Relay Output

Channels: 6 Form A (N.O.) relay outputs, 5A

Contact Rating: 5 A @ 30 VDC, 5 A @ 250 VAC, 5 A @ 110 VAC

Inductance Load: 2 A

Resistance Load: 5 A

Breakdown Voltage: 500 VAC

Relay On/Off Time: 10 ms, 5 ms (Max.)

Initial Insulation Resistance: 1G min. @ 500 VDC

Expected Life: 100,000 times (Typical)

Initial Contact Resistance: 30 milli-ohms (Max.)

Pulse Output: 0.3 Hz at rated load

Power Requirements

Power Input: 24 VDC nominal, 12 to 48 VDC

Power Consumption: 282 mA typical @ 24 VDC

Physical Characteristics

Wiring: I/O cable max. 14AWG

Dimensions: 115 x 79 x 45.63 mm (4.53 x 3.11 x 1.8 in)

Weight: 225 g

Environmental Limits

Operating Temperature: -10 to 60°C (14 to 140°F)

Storage Temperature: -40 to 85°C (-40 to 185°F)

Ambient Relative Humidity: 5 to 95% (non-condensing)

Regulatory Approvals

EMI: FCC Part 15, CISPR (EN55022) class A

EMS: IEC 61000-4, IEC 61000-6

Shock: IEC 60068-2-27

Freefall: IEC 60068-2-32

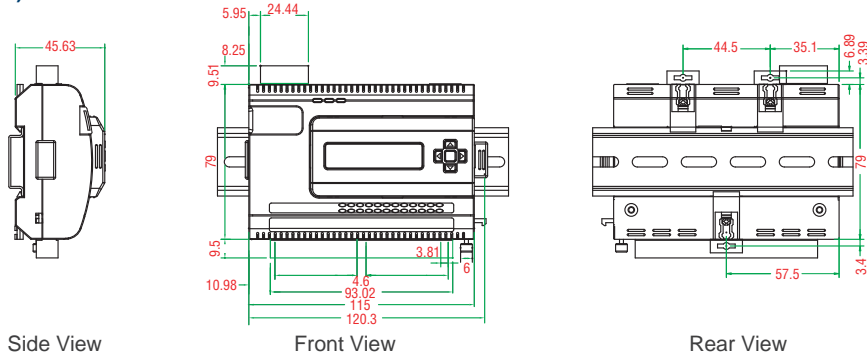
Vibration: IEC 60068-2-6

Warranty

Warranty Period: 2 years

Details: See www.moxa.com/warranty

Dimensions (unit = mm)



Pin Assignment

I/O (left to right)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
D1.COM1	D10	D11	D12	GND		D1.COM2	D13	D14	D15	GND		R0 NO	R0 C	R1 NO	R1 C	R2 NO	R2 C	R3 NO	R3 C	R4 NO	R4 C	R5 NO	R5 C
DI Group 1						DI Group 2						Relays 0 to 5											

Ordering Information

ioLogik E2214: Active Ethernet I/O with 6 digital inputs and 6 relay outputs

LDP1602: LCD module with 16 x 2 text display and 5 buttons