

# ioLogik E4200

## Modular Ethernet remote I/O adaptor



- > Easy expansion; supports up to 16 I/O modules
- > Dual Ethernet LANs and one RS-232 port
- > Front-end intelligence that supports 80 Click&Go rules
- > Unicode Active Messaging with real-time stamp, including SMS, SNMP Trap with I/O status, TCP, email
- > Built-in web console
- > PC utility: auto detection of installed modules
- > Windows/WinCE VB/VC.NET and Linux C APIs



### Introduction

The ioLogik E4200 is suitable for remote monitoring and alarm systems, such those used for water treatment systems, water supply systems, wastewater treatment systems, and power monitoring systems. These kinds of applications need more I/O points and a

variety of I/O types, including temperature sensors, gas detectors, and water quality detectors, all of which can benefit from the versatile mixture of I/O features supported by the ioLogik E4200.

### Specifications

#### LAN

**Ethernet:** 2 x 10/100 Mbps (2 MACs, 2 IPs, RJ45 connectors)

**Protection:** 1.5 KV magnetic isolation

**Protocols:** Modbus/TCP, TCP/IP, UDP, DHCP, Bootp, SNMP, HTTP, SNTP

#### Serial Communication

**Interface:** 1 x RS-232 (9-pin D-Sub, male)

**Parameters:** N, 8, 1

**Baudrate:** 115,200 bps

#### Power Requirements

**Power Input:** 24 VDC nominal, 12 to 36 VDC

**Power Consumption:** 175 mA @ 24 VDC

**Current for I/O Modules:** Max. 1.5A @ 5 VDC

#### Field Power

**Rated Voltage:** 11 to 28.8 VDC, 24 VDC typical

**Current in Field Power Contact:** Max. 10 A

#### Isolation

**System Power to I/O Driver:** Optical isolation

#### Physical Characteristics

**Dimensions:** 45 x 99 x 70 mm (1.77 x 3.90 x 2.76 in)

**Note:** Please see page 14-17 for the dimensions diagram.

**Weight:** 180 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)

#### Standards and Certifications

**Safety:** UL 508

**EMI:** FCC Part 15 Subpart B Class A, EN 55022 Class A

#### EMS:

IEC 61000-4-2 (ESD) Level 2/3,

IEC 61000-4-3 (RS) Level 2,

IEC 61000-4-4 (EFT) Level 2,

IEC 61000-4-5 (Surge) Level 3,

IEC 61000-4-6 (CS) Level 2,

IEC 61000-4-8 (PM) Level 1,

IEC 61000-4-11 (DIPS),

IEC 61000-6-2 (ESD) Level 2/3,

IEC 61000-6-4 (EFT) Level 2

**Shock:** IEC 60068-2-27

**Freefall:** IEC 60068-2-32

**Vibration:** IEC 60068-2-6

**Note:** Please check Moxa's website for the most up-to-date certification status.

#### MTBF (mean time between failure)

**Time:** 357,000 hrs

**Database:** Telcordia (Bellcore)

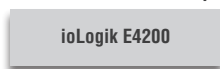
#### Warranty

**Warranty Period:** 2 years

**Details:** See [www.moxa.com/warranty](http://www.moxa.com/warranty)

### Ordering Information

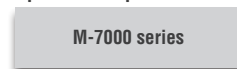
Step 1: Select a network adaptor module



Step 2: Select I/O modules



Step 3: Select power modules



#### Available Models

**ioLogik E4200:** Modular Ethernet remote I/O adaptor

**Note:** The ioLogik E4200 Active Ethernet network adaptor can be expanded by adding up to 16 I/O modules.

#### Package Checklist

- ioLogik E4200 remote I/O adaptor
- I/O modules ordered
- Power modules ordered
- Documentation and software CD
- Quick installation guide (printed)