

# ioLogik E4200

## Modular Ethernet remote I/O adaptor



- > Active communication with patented Active OPC Server
- > Dual Ethernet LANs for network redundancy
- > Allow up to 16-module expansion without needing a backplane
- > Front-end intelligence with patented Click&Go control logic up to 80 rules
- > Smart alarm management with e-mail, SNMP Trap, TCP, UDP
- > Friendly configuration via web browser
- > Simplify I/O management with MXIO library on Windows or Linux platform
- > Support SNMPv1/v2c protocol



### Introduction

The ioLogik E4200 is suitable for remote monitoring and alarm systems, such as 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, SMTP

#### 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 pages 15-23 for the dimensions diagram.*  
**Weight:** 180 g  
**Mounting:** DIN-Rail

#### 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:** 61000-3-2; EN 61000-3-3; EN 61000-6-4; FCC Part 15, Subpart B, Class A  
**EMS:** EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-6-2, IEC 61000-4-11  
**Shock:** IEC 60068-2-27  
**Freefall:** IEC 60068-2-32  
**Vibration:** IEC 60068-2-6  
**Green Product:** RoHS, CRoHS, WEEE

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

#### MTBF (mean time between failure)

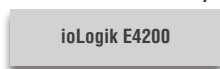
**Time:** 357,000 hrs  
**Database:** Telcordia (Bellcore)

#### Warranty

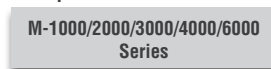
**Warranty Period:** 2 years  
**Details:** See [www.moxa.com/warranty](http://www.moxa.com/warranty)

### Ordering Information

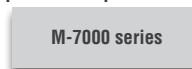
Step 1: Select a network adaptor module



Step 2: Select I/O modules



Step 3: Select power modules



#### Package Checklist

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

**ioLogik E4200:** Modular Ethernet remote I/O adaptor with RJ45 connectors, 2 MACs, up to 16 I/O modules, -10 to 60°C operating temperature

*\*Note: The ioLogik E4200 Modular Ethernet remote I/O adaptor can be expanded with up to 16 I/O modules.*