

ioLogik E4200

Modular Active Ethernet I/O adaptor



- > 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

The certification logos shown here apply to some or all of the products in this section. For details, see "Regulatory Approvals" under "Specifications" below.



Introduction

The ioLogik E4200 is suitable for remote monitoring and alarm systems, such as are 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, SNMP Trap, HTTP, SNTp

Serial Communication

Interface: 1 x RS-232/485 (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: 60 mA typical @ 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 99.8 x 70 mm

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 61000-4-2 (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 (DIP)

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

IEC 61000-6-4 (EFT), level 2

Safety: UL 508

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.

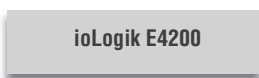
Warranty

Warranty Period: 2 years

Details: See 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: Active Ethernet network adaptor

Note: The ioLogik E4200 Active Ethernet network adaptor can be expanded by adding up to 16 I/O modules. See pages 5-33 to 5-41 to select the M-series modules for your application.