ioLogik E4200

Modular Ethernet remote I/O adaptor

> Active communication with patented Active OPC Server
> Two independent Ethernet LANs
> 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

CLICK&GO LOGIC

RoHS · c UL us LISTED · CE · FC

: 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)
Altitude: Up to 2000 m
Note: Please contact Moxa if you require products guaranteed to function properly at higher altitudes.

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

: Ordering Information

Step 1: Select a network adaptor module

ioLogik E4200 →

Step 2: Select I/O modules

M-1000/2000/3000/4000/6000 Series →

Step 3: Select power modules

M-7000 series

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 adapter can be expanded with up to 16 I/O modules.