

ioLogik E2242

Active Ethernet I/O with 4 analog inputs and 12 configurable DIO



- > 4 fixed differential analog input channels
- > 12 configurable digital input/output channels
- > Instant event messaging by TCP/UDP/e-mail/SNMP Trap
- > Adjustable sampling rate
- > PC-based configuration utility and web console
- > Easy-to-use Click&Go™ Logic for local output control
- > I/O control over Modbus/TCP and SNMP protocol
- > NIST traceable calibration



Introduction

Better I/O matrix for monitoring

To have the best fit of remote monitoring and alarm system, the Moxa Active Ethernet I/O – E2242 has build-in both 4 analog inputs and 12 configurable DIO in the same product. Combination of analog/digital I/O is rated to 1:3 which perfectly adapted to the water

tank monitoring and environmental monitoring where one analog input is able to trigger 3 digital outputs as a local High-High, High, and Low alarm without the use of a local PC or RTU.

Specifications

Analog Input

Channels: 4, differential input

Resolution: 16-bit

I/O Mode: Voltage: +/-150mV, +/-500mV, +/-10V, 0~10V, 0~5V

Current: 0 to 20mA, 4 to 20mA

Sampling Rate (all channels): 100 samples/sec

Accuracy: +/- 0.1% FSR @ 25°C,

+/-0.3% FSR @ -10 and 60°C

Input Impedance: 200K ohms (min.)

Built-in Resistor for Current Input: 102 ohms

Configurable Digital Input/Output

Channels: 12 points

Digital Input

Sensor Type: NPN, PNP

I/O Mode: DI or event counter (up to 900 Hz)

Dry Contact: Logic 0: short to GND,

Logic 0: Open

Wet Contact: Logic 0: 0 to 3 VDC,

Logic 1: 10 to 30 VDC

Common Type: 6 points per COM

Power off Storage for Counter Mode: Yes

Digital Output

Sensor Type: Sink, 45 VDC, 200 mA

Pulse Wave Width: 1 ms / 1000 Hz

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
Ain0+	Ain0-	Ain1+	Ain1-	Ain2+	Ain2-	Ain3+	Ain3-	DI.COM1	DI00	DI01	DI02	DI03	DI04	DI05	GND	GND	DI06	DI07	DI08	DI09	DI010	DI011	DI.COM2

Ordering Information

- **ioLogik E2242:** Active Ethernet I/O with 4 analog inputs and 12 configurable DIOs
- **LDP1602:** LCD module with 16 x 2 text display and 5 buttons