

# ioLogik E2260

## Active Ethernet I/O with 6 RTD inputs and 4 digital outputs



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

- > Supports PT, JPT, Ni RTD sensor types and resistors
- > Adjustable RTD sampling rate
- > Instant event messaging by TCP/UDP/email/SNMP-trap
- > PC-based configuration utility and web console
- > Easy-to-use Click&Go™ Logic for local output control
- > Windows/WinCE VB/VC.NET and Linux C APIs
- > I/O control over Modbus/TCP and SNMP protocol
- > NIST traceable calibration



### Introduction

#### Bring Intelligence to Temperature Measurement

The ioLogik E2260 brings intelligence to temperature sensors. It comes equipped with virtual channels that are designed to calculate the average value of each channel and the difference between two channels. And it does all this without a controller or PC.

#### Compatible with Popular RTD Temperature Sensors

The ioLogik E2260 offers PT100, PT1000, JPT, and Ni sensor types and a resistor of up to 2.2 kilo-ohms, and supports using your own resistance sensor, such as PTC or NTC types for your HVAC applications.

### Specifications

#### LAN

**Ethernet:** 1 x 10/100 Mbps, RJ45

**Protection:** 1.5 KV magnetic isolation

**Protocols:** Modbus/TCP, TCP/IP, UDP, DHCP, Bootp, SNMP (MIB for I/O and Network), HTTP, CGI, SNTP

#### Serial Communication

**Interface:** RS-485-2w: Data+, Data-, GND

**Serial Line Protection:** 15 KV ESD for all signals

#### Serial Communication Parameters

**Parity:** None

**Data Bits:** 8

**Stop Bits:** 1

**Flow Control:** None

**Baudrate:** 1200 to 115200 bps

**Protocol:** Modbus/RTU

#### RTD

**Channels:** 6

**Input Type:** Pt, JPT, Ni, RTD sensor, resistor

**Sampling Rate:** 12 samples/sec (all channels)

**Resolution:** 0.1°C or 0.1 ohm

#### Accuracy:

±0.1% FSR @ 25°C

±0.3% FSR @ -10 and 60°C

**Input Impedance:** 625K ohms (min.)

#### Digital Output

**Channels:** 4, sink, 36 VDC, 200 mA

**I/O Mode:** DO or Pulse Output

**Pulse Wave Width/Frequency:** 10 ms/100 Hz

**Over-voltage Protection:** 45 VDC

**Over-current Limit:** 750 mA

**Over-temperature Shutdown:** 175°C

**Isolation:** 3K VDC or 2K Vrms

#### Power Requirements

**Power Input:** 24 VDC nominal, 12 to 48 VDC

**Power Consumption:** 282 mA typical @ 24 VDC

#### Physical Characteristics

**Wiring:** I/O cable max. 14AWG

**Dimensions:** 115 x 79 x 45.63 mm (4.53 x 3.11 x 1.8 in)

**Weight:** 215 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)

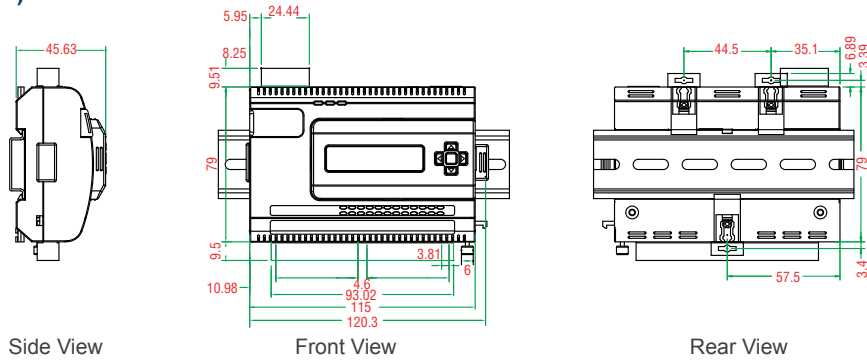
### Regulatory Approvals

**EMI:** FCC Part 15, CISPR (EN55022) class A  
**EMS:** IEC 61000-4, IEC 61000-6  
**Shock:** IEC 60068-2-27  
**Freefall:** IEC 60068-2-32  
**Vibration:** IEC 60068-2-6

### Warranty

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

### Dimensions (unit = mm)



### 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
EX0	IN0+	IN0-	EX1	IN1+	IN1-	EX2	IN2+	IN2-	EX3	IN3+	IN3-	EX4	IN4+	IN4-	EX5	IN5+	IN5-	DO.GND	D00	D01	D02	D03	DO.PWR

### Ordering Information

**ioLogik E2260:** Active Ethernet I/O with 6 RTD inputs and 4 digital outputs  
**LDP1602:** LCD module with 16 x 2 text display and 5 buttons