ioLogik E2260
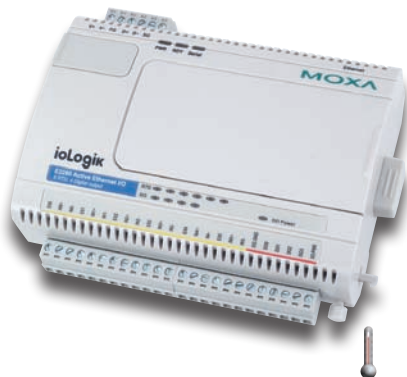
Active Ethernet I/O with 6 RTD inputs and 4 digital outputs

> 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
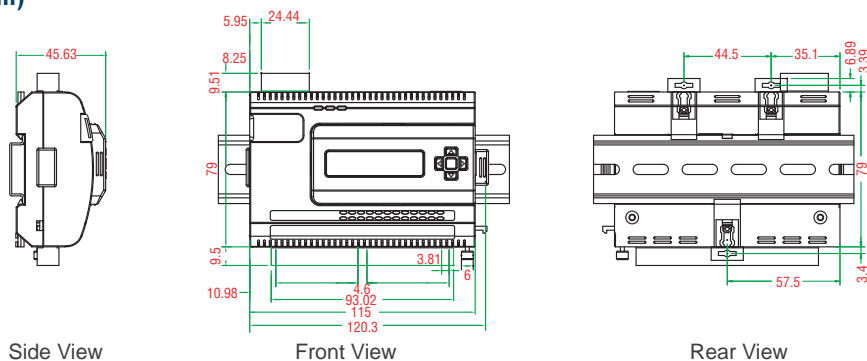**Shock:** IEC 60068-2-27
Freefall: IEC 60068-2-32
Vibration: IEC 60068-2-6

Warranty

Warranty Period: 2 years
Details: See www.moxa.com/warranty

Dimensions (unit = mm)

Side View   Front View   Rear View

: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	DO0	DO1	DO2	DO3	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