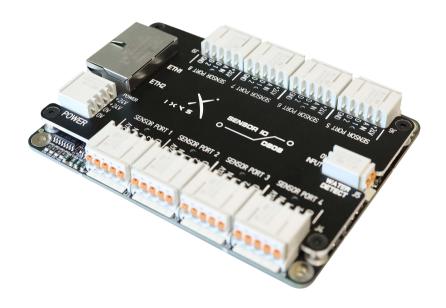
# **SPECIFICATIONS**

PCB SENSOR IO



## Description

The Sensor IO is a standalone board designed for controlling and reading a wide range of sensors.

It features 8 individual sensor ports; Each sensor port provides:

- One analog input (4–20 mA)
- Two digital inputs with on/off values and pulse counters for encoders or flow meters
- · 24 V DC Supply

The digital inputs can be configured as either NPN or PNP types, with full flexibility available through the integrated web interface.

Each port can be disabled, and when disabled it is galvanically isolated from the rest of the board which enables isolation of ground faults.

### **Features**

- 8 high resolution analog 4-20 mA ports
- 8 ports with dual digital inputs, configurable as NPN or PNP
- Ports are galvanically isolated from the board when disabled
- Dual ethernet ports with built in switch
- Modbus UDP/TCP Protocol
- Web server for easy configuration
- LED Indicators for diagnostics
- Compact design
- Pressure Tolerant
- Water Detect



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PCB SENSOR IO

## **General Technical Specifications**

Type PCB Sensor IO

Dimensions mm 120x90x16

Weight g ~150

Temperature Operational (ambient) °C -20 to +70

Temperature Storage °C -20 to +70

#### **Electrical**

Supply Voltage V DC 24 (10-30)

Power Consumption W ~1.5 (Without sensors)

#### Communication

Ethernet Mbps 10/100

#### **Sensor Port Performance**

24 V Current Sourcing per port A 0.1-0.2 (Ambient temperature dependent)
Analog Input Resolution bit 16
Digital Input Counter Frequency kHz 0-2

### **Ordering Part Numbers**

Description Part Number
PCB Sensor IO 121273

# Accessories

 Connector 5-way (Wago 2091-1125)
 117390

 Connector 4-way (Wago 2091-1124)
 112073

 Connector 2-way (Wago 2091-1122)
 114568

 Connector RJ45 Shielded
 101393

 Connector RJ45
 121379



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