connectorIO

ETHERNET SENSOR HUB

FEATURES

- Compatible with IO-Link 1.1 sensors
- Supported transmission rates COM1, COM2, COM3
- USB interface for Windows/Linux hosts
- Ethernet interface for field deployment
- Supports up to 4 sensors
- Supports firmware update
- Availability Q1/Q2 2022

INTRODUCTION

Sensor hub is a generic purpose board for sensor integration intended mainly for use with computerized systems. Compatibility with IO-Link sensors and protocol guarantees access to a wide pool of sensing and actuating devices available on the market. Typical applications include monitoring of flow, pressure, proximity, color as well as conversion of PNP/NPN and analog signals.

SPECIFICATIONS

Form factor	Custom board
Operating voltage	24V DC
Host interface	USB 2.0, Ethernet
Interface number	1x USB 2.0, 1x Ethernet
Protocol compatibility	IO-Link 1.1, Ethernet (IO-Link SPE draft)
Driver support	Windows (serial device) Linux (serial device)
SDK Support	Java (Linux, Windows)
Operating temperature	0°C to 60°C
Dimensions	170 x 150 mm
Compatible IO-Link sensors	
Transmission	COM1 (4,8 kBaud); COM2 (38,4 kBaud); COM3 (230,4 kBaud)
IO Link version	1.1
Class A ports	4

ConnectorIO SDK

This is a convenient library written in portable language. Combined with a sensor hub it allows easy interfacing with IO-Link sensors and actuators. SDK is guaranteed to be compatible with the board and IO-Link protocol.

CONNECTOR

Sensor hub uses screw terminals reducing the need for use of M12 connectors.