



## Use **IO-Link 1-Port Master Module**

Universal · Smart · Easy



### Overview

The **IO-Link 1-Port Master Module** provides easy access to IO-Link devices without PLC.

The IO-Link master module contains an IO-Link compliant transceiver PHY together with a controller running a fully compliant IO-Link master stack.

The IO-Link master module can communicate with external hardware via SPI and/or UART interfaces. Simple telegrams sent over these interfaces allow control of the master and provide easy access to process data and IO-Link configuration and diagnostic features.

Device configuration can be done offline via an integrated USB connector by a PC running a comfortable and self-explaining IO-Link control tool.

The module can be plugged onto an existing board. For development purposes a reference mother board is available.

### Deliverables

- 1-port IO-Link master module
- Mother board with IO-Link master module plug with SPI and UART interface
- IO-Link control tool for easy configuration of arbitrary IO-Link devices with integrated IO-Link parser
- Manual

### Features

- Fully compliant with V1.1.3 IO-Link interface specification
- IO-Link V1.1.3 compatible stack
- Integrated IO-Link transceiver with protection
- L+ device power switchable
- SPI interface for control and process data
- UART interface for control and process data
- USB interface for PC control
- Dimensions: 43 mm x 33 mm

### Motherboard Features

- 24 V power supply connector
- DB-9 serial connector
- Power supply for IO-Link master module
- M12 IO-Link Master connector

### Typical Applications

- Seamless integration of IO-Link devices into machine control or similar systems that work without classic PLCs.

### Advantages

- Development effort and cost reduced
- Time to market shortened