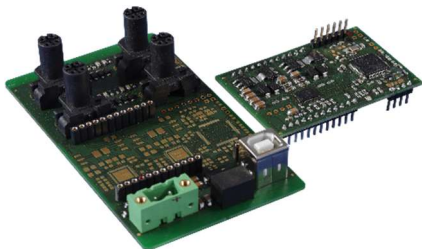


## 4-Port Master Module



### Overview

The IO-Link 4-Port Master Module provides easy access to IO-Link devices without PLC.

The master module contains 4 fully tested IO-Link compliant transceiver PHYs 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 serial interfaces allow communication with the master and provide easy access to process data and IO-Link diagnostic information of up to 4 connected devices.

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 motherboard is available.

Optionally, for low cost stand-alone mini PLC systems, customization of the 4-port master application software can be offered.

### Deliverables

- 4-Port IO-Link master module
- Motherboard with IO-Link master module plug and SPI and UART interface (optional)
- IO-Link control tool with integrated IODD parser for easy configuration of IO-Link devices of choice
- Manual

### Features

- Fully compliant with V1.1.4 IO-Link interface specification
- IO-Link transceiver and protection integrated
- L+ device power switchable
- SPI interface for control and process data
- UART interface for control and process data
- USB interface for PC control
- Dimensions: 59 mm x 39 mm

### Motherboard Features

- 24V 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.
- Stand-alone systems which integrate IO-Link devices and actors (e.g. level sensor with signal tower)

### Advantages

- Development effort and cost reduced
- Time to market shortened
- Cost advantages as no IO-Link master stack is required

### Additional Services

- Optionally, for low cost stand-alone mini PLC systems, customization of the 4-port master application software can be offered.