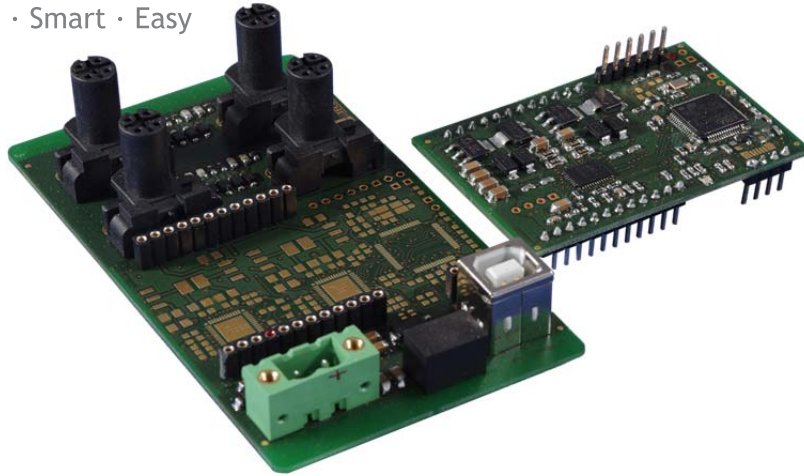




Use **IO-Link Four-Port Master Module**

Universal · Smart · Easy



Overview

The **IO-Link Four-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 by SPI and/or UART interfaces. Simple telegrams send 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 by an integrated USB connector via a PC running a comfortable and self explaining IO-Link control tool.

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

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

Deliverables

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

Four-Port Master Module Features

- Fully compliant to V1.1 IO-Link interface specification
- IO-Link V1.1 compatible stack
- Integrated IO-Link transceiver and protection
- L+ device power switchable
- SPI interface for control and process data
- UART interface for control and process data
- USB interface for PC control
- Dimension: 59mm x 39mm

Mother Board 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 classical PLCs.
- Stand-alone system that connects IO-Link devices and actors
- e.g. (Fillstate sensor -> Signal Tower)

Advantages

- Development effort and cost reduced