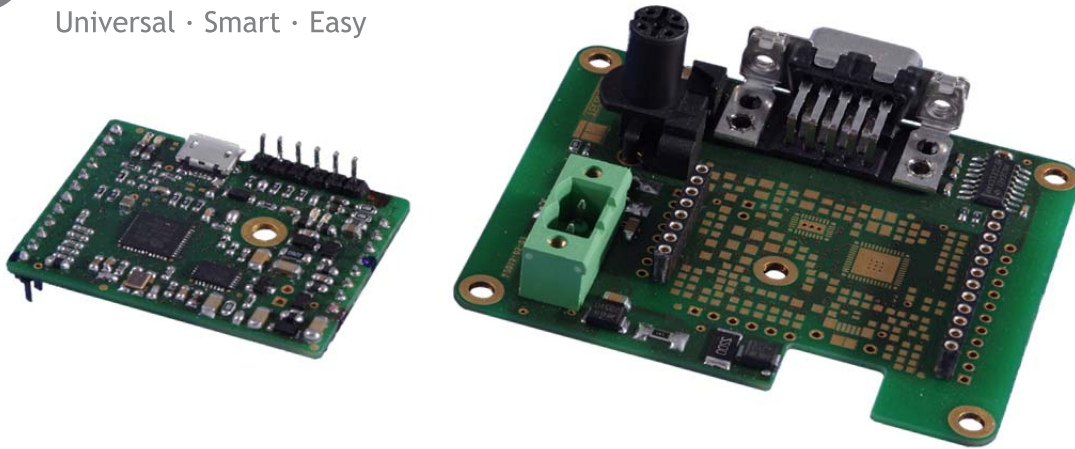




Use IO-Link One-Port Master Module

Universal · Smart · Easy



Overview

The **IO-Link One-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 by 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 diagnostic features.

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 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 IODD parser
- Manual

One-Port Master Module Features

- Fully compliant to V1.1 IO-Link interface specification
- IO-Link V1.1 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
- Dimension: 43mm x 33 mm

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.

Advantages

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