Use ● **IO**-Link IO-Link Starter Kit L6362

Universal · Smart · Easy

Overview

Current sensors and actuators are equipped with small but powerful microprocessors that introduce advanced features like parameterization and diagnostics to these devices. However, those features are currently not visible to standardized project planning tools.

IO-Link^{TM}, the new bi-directional, digital, point-to-point communication standard (**IEC 61131-9**) now offers a standardized mapping of advanced sensor and actuator features into the automation tool environment.

The following starter kit consists of an 1-port USB master and an evaluation board equipped with a STMicroelectronics LT6362A device PHY the STM8L low power controller. The evaluation board contains the TEConcept IO-Link V1.1.2 compliant IO-Link device stack (evaluation license) and a simple application that demonstrates how to transfer analogue voltages (generated by a potentiometer) and some push button events via IO-Link. The stack is provided as object library while the application software is provided in source code format.

Deliverables

- 24 Volt Power supply
- 1-Port IO-Link USB master
- M12 IO-Link connector cable
- Device Evaluation board including IODD
- Control Tool (including IODD parser)

IO-Link Starter Kit L6362 Features

- 1-Port USB master with external 24V power supply and M12 connector (Class A)
- Evaluation board that handles analogue voltages, events and allows to connect external hardware via a connect strip.
- Fully protected against reverse polarity, over-current, over temperature and cut-off.
- PHY has temperature range -40° to 125°
- Free-of-charge processor software developement kits available via ST-Microelectronics
- Low power controller that is powered via integrated LDO of the L6362
- PC-based control tool that allows to connect and control all kind of IO-Link devices

  Numerical and graphical visualization of process data supported

Advantages

- Simplifies training on IO-Link
- Complete development environment
- Shortens Time-to-Market of new IO-Link developments