



1-Port USB-C Master

Overview

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

IO-Link™, the bidirectional, digital, point-to-point communication standard (IEC 61131-9) now offers standardized mapping of advanced sensor and actuator features into the automation tool environment.

The 1-Port USB-C Master is ideally suited for engineering purposes and small PC-based applications. It is now powered by the USB-C port. Devices with a current consumption of up to 500mA are supported. It supports the new SMI interface. The SMI-services are ex-changed by the TEConcept serial transport layer protocol between PC and Master.

A Windows based graphical user interface is included that reads IO-Link device descriptor "IODD" files and offers an easy way to connect to all kinds of IO-Link devices. The GUI communicates with the Master via a TCP/IP that connects to an STCS server (see IO-Link Test Specification A3.3) that map SMI services in USB-telegrams.

Usage

- Engineering purposes and small PC-based applications
- Test Systems
- Simple evaluation of devices
- Engineering support
- Device Development

Features

- Fully IO-Link V1.1.4 compliant
- All COM-speeds supported
- Data storage supported
- M12 IO-Link connector
- DIN rail mount
- USB-C powered (5V 3A)
- PC Tool included with
 - IODD interpreter
 - Process data visualization
 - Event visualization
 - Parameter R/W access
 - IODD menu structure support
 - IODD user role support
 - Socket interface for process data



Deliverables

- 1-Port IO-Link V1.1.4 master
- IO-Link control tool V4.0
- USB-C cable
- STCS-Server