TEConcept

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Master Tester V1.1.4

Overview

Every manufacturer of IO-Link Masters needs to run the tests specified in the current IO-Link Test specification V1.1.4 (September 2024) successfully as precondition for the manufacturer's declaration of conformance.

In IO-Link V1.1.3, a standard master interface "SMI" was introduced, which specifies methods to communicate with an IO-Link Master in an abstract way.

IO-Link Test Specification for the Master Test was substantially updated.

The Master Tester communicates via SMI Services with SMI Test Communication Server "STCS" to be provided by the Master manufacturer, which maps SMI services to a concrete Master.

The Master Tester V1.1.4 is completely redesigned. It is based on a Master Tester Application "MTA" that runs on Windows 7 and newer and a Master Tester Unit "MTU" as specified in the IO-Link Test specification.

Advantages

- Highly automated test of IO-Link Masters
- Allows testing of IO-Link masters without fieldbus or backplane gateway
- Test report suitable for Manufacturer's Declaration
- One year maintenance included

Master Tester Features

- Test system for automated, reproducible IO-Link Master tests according to the IO-Link test specifications Rev 1.1.4 / Sept. 2024
- PDF Report Generation
- Simultaneous testing of multiple ports support-ed (requires additional MTUs)
- SDK for SMI Test Communication Server
- Maintenance extension provided
- Option for additional MTUs

- Approved by IO-Link community
- Upgrade from MT V1.1.2 possible ("Golden-Device" from MT V1.1.2 needs to be replaced).

Deliverables

- Master Tester Application "MTA" installer
- VID locked license key (for Master manufacturers)
- Optional unlocked license key for Test labs
- One Master Tester Unit
- USB-Cable
- SDK for SMI Test Communication Server
- Python based SMI control application
- Copy of approval document