



IO-Link

IO-Link Device Stack V1.1.2

Overview

Modern sensors and actuators are equipped with small but powerful microprocessors that make possible to introduce advanced features like remote parameterization and diagnostics. However, those features are normally not accessible from the top-level fieldbus infrastructure.

IO-Link, the new bi-directional, digital, point-to-point communication standard (IEC 61131-9), offers a standardized mapping of advanced sensor and actuator features into the control engineering tool environment.

Our IO-Link device software stack gives sensor and actuator manufacturers a cost efficient and easy way to integrate state-of-the-art IO-Link technology into their products.



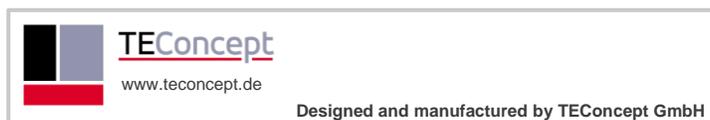
IO-Link Device Stack V1.1.2. Universal, smart, easy.

Specifications

- Compliant with latest IO-Link communication specification
- Synchronous or asynchronous process data handling
- ISDU support
- Data storage
- Parameter handler
- Process synchronisation
- Footprint: RAM ~0.4 kB / Flash ~8-10 kB
- System load: ~50% on 8-Bit processor @ 16MHz
- Porting to different μ Cs and IO-Link PHYs requires only an exchange of drivers

Currently available drivers:

Microcontroller	PHY
ATmega64/324/328	CCE4501
ATtiny	HMT7742
PIC32MXxxx	LT3669-2
LPC11xx	MAX14820
RL78/xxx	MAX14821
C8051F31x/33x/37x/39x	L6362A
EFM32	SN65HVD101
STM32	ZIOL2401
STM8L/STM8S	
ATSAM3S	
MSP430	
Kinetis K02/K60	





Product Information



License model

- Royalty-free license based on number of Device IDs
- One-year maintenance included
- Full source code

Deliverables

- Fully ported stack operational on the target hardware platform
- Driver for target processor architecture
- Driver for target IO-Link PHY
- IO-Link demo application
- Compiler and linker setups for target development environment
- IO-Link device stack API reference manual, installation guideline and tutorial

Additional Services

- IO-Link consulting and additional technical support
- Customized IODD development
- Hardware and Software design for masters and devices
- Supply of development tools like
 - USB master (1-port, 4-port)
 - Conformance Test systems
 - IODD-Design tool
 - Reference designs

