FieldEcho
IO-LINK DATA ACCESSIBILITY AND TRANSPARENCY

FE

SICK
Sensor Intelligence.

FieldEcho®

Software tool for IO-Link data accessibility and transparency

SOFTWARE FOR INTEGRATION

SICK
Sensor Intelligence.

Technical data overview

Language	multilingual
Description	FieldEcho was made to allow for parameterization and monitoring of all IO-Link devices in a plant throughout the whole live cycle regardless of adopted PLC system, fieldbus or IO-Link master.
Operating system	Windows 10 Windows 7 (32 bit/64 bit) Windows 8 (32 bit/64 bit)

Product description

FieldEcho® allows for parameterization and monitoring of all IO-Link devices in a plant throughout the whole life cycle – regardless of the PLC, fieldbus, or IO-Link master used. FieldEcho® communicates with a PLC through OPC UA. Using the SICK generic function block, FieldEcho® provides access to the IO-Link device process and service data.

FieldEcho® consists of a server that is responsible for the communication. It can read and write IO-Link device data as well as provide them for the FieldEcho front end. Due to its REST API, these data are also accessible for any third-party application. Its front end interprets IODDs and provides a graphical user interface for the whole system as well as for any single IO-Link device.

At a glance

- Suitable for parameterizing and monitoring all IO-Link devices in a plant
- Platform-independent access to IO-Link device data
- OPC UA client or TCP/IP connection for communication with PLCs
- Automated detection of IO-Link devices
- Interface to IODDfinder
- Server and client can be distributed in the network
- Can be used in browsers or integrated in HMIs

Your benefits

- Parameterizes and monitors all IO-Link devices in the plant using a modern, web-based graphical user interface
- Available throughout the entire life cycle – during commissioning and runtime, up to device replacement and maintenance
- To a fully parameterized system with only a few clicks
- Automated detection of connected IO-Link devices
- No long search for suitable IODDs required – IODDs are automatically downloaded
- Only one single FB call in the PLC program required
- Simply use the OPC UA server of the PLC or the TCP/IP to connect to FieldEcho
- Access to IO-Link device data from the system visualization or from any Internet browser

Fields of application

- User interface supported parameterization and monitoring of all IO-Link devices
- IO-Link device parameterization during commissioning, runtime, and maintenance
- HMI-based access to IO-Link devices
- Access to IO-Link device data independent from PLC, fieldbus, and IO-Link master
- Integration of IO-Link device data in I4.0/IoT applications
- Other application cases such as monitoring, alarming or inventory

Ordering information

Other models and accessories ➜ www.sick.com/FieldEcho

Description	Supported PLC	Type	Part no.
FieldEcho was made to allow for parameterization and monitoring of all IO-Link devices in a plant throughout the whole live cycle regardless of adopted PLC system, fieldbus or IO-Link master.	S7 300/400, S7 1200/1500, RockewellAutomation, Mitsubishi Q Series, TwinCAT 2.x, TwinCAT 3.x	FieldEcho®	1612993

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

WORLDWIDE PRESENCE:

Contacts and other locations –**www.sick.com**

SICK AG | Waldkirch | Germany | www.sick.com

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