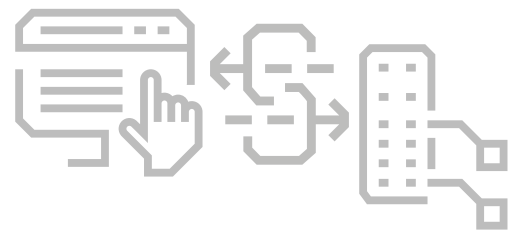# IO-Link Configurator App

Embedded web app for configuring IO-Link masters and devices

→ Compatible with IO-Link masters that support OPC UA IO-Link companion specifications

→ Online configuration of IO-Link sensors/ actuators from any manufacturer

→ Automatic download of IODD files for IO-Link devices

→ Communicates without additional hardware costs via Ethernet connection

→ Web user interface for embedded platforms, e.g., edge gateways

Web-based configuration of entire IO-Link systems independent of the control unit

The platform-independent container app lets you configure IO-Link masters and their connected IO-Link sensors and actuators over Ethernet. The masters must support the services and variables of the OPC UA IO-Link companion specifications.

In the PROFINET and EtherNet/IP industrial networks, the TCP/IP-based services can be transmitted on the same line parallel to and independent of the control data. In the case of EtherCAT, the controller provides the tunneled Ethernet-over-EtherCAT access for the transmission of services. If the industrial network is not available, the app uses a DHCP server and the ICMP or DCP protocols to find the IO-Link master and establish IP communication.

For diagnostic purposes, you can view the status of the devices connected to the masters, including their process data, via the application's web front end. The IODD files needed to display and configure the data are automatically downloaded from the IODDFinder Internet database.

Under its netFIELD brand, Hilscher offers further communication containers, edge device platforms and a cloud-based remote management solution for devices and containers.

Product Information

Technical data

General

Product
netFIELD App IO-Link configurator

Software type
Container

Repository
https://hub.docker.com/r/hilscherautomation/netfield-app-io-link-configurator

Hardware requirements

Processor architecture
x64, ARM32, ARM64

Container size
350 MB, unpacked

Memory requirements
Minimum 200 MB

Data interface
Ethernet

Software requirements

Operating system
Linux

Container runtime environment
Required, e.g., Docker

Runtime properties

Communication protocol
OPC UA client, DHCP, DCP, ICMP

Supported IO-Link masters
Masters that support OPC UA IO-Link companion specifications

Licensing

Container protection
CodeMeter licensing technology

Product activation
License key

License server
Required for license storage and retrieval
(Windows or container)

Billing model
One-time payment

Note: Technical data subject to change.

Product overview		
NFA-IOC-OTP	1917.062	netFIELD App IO-Link configurator, floating license Includes all updates within 1 year of license activation

Related products

Product overview		
NFA-OPA-OTP	1917.061	netFIELD App OPC UA IO-Link adapter, floating license Includes all updates within 1 year of license activation
NFX8M-D2-N32-010	1918.010	netFIELD Compact X8M - ARM computer platform for containerized applications
NIOT-E-TIJCX-GB-RE/NFLD	1321.300/NFLD	netFIELD OnPremise x64 computer platform for containerized applications with netX support