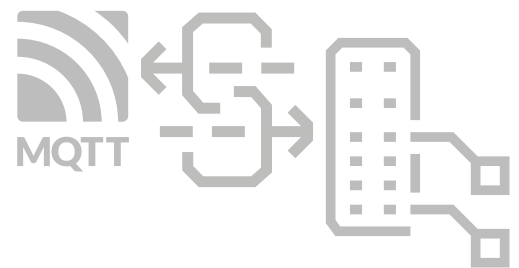


IO-Link Adapter App

Enrich IIoT projects quickly and efficiently with IO-Link sensor data

- Data access from at least 32 IO-Link masters simultaneously
- Immediate coupling into a modern IIoT environment via MQTT protocol
- Automatic download of IODD files for IO-Link sensors
- User-friendly web interface for diagnostics and configuration



Generating more value through IO-Link master data tapping parallel to the controller

The platform-independent container app reads sensor data and information from IO-Link masters and converts it into the IoT protocol MQTT as a JSON-encoded payload. 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. Tapping data parallel to the controller and making it available to IIoT technologies enables long-term data analysis and the identification of trends and error scenarios.

Plant operators benefit from increased asset productivity through predictive maintenance, minimization of downtime, and optimization of workflows through intelligent machine learning algorithms.

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 the information correctly 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.



→ netFIELD App OPC UA IO-Link Adapter
Service hotline: +49 (0) 6190 9907-90
www.hilscher.com

Product Information

Technical data

General

Software type

Container

Repository

<https://hub.docker.com/r/hilscherautomation/netfield-app-opc-ua-io-link-adapter>

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

Data distribution

Any MQTT broker, e.g., Mosquitto

Runtime properties

Inbound protocol

OPC UA client

Inbound protocol sampling rate

Configurable per IO-Link master
From 50 ms intervals or whenever there is a change in data

Outbound protocol

MQTT (as a client)

Outbound protocol send rate

According to the inbound protocol sampling rate

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-OPA-OTP

1917.061

netFIELD App OPC UA IO-Link Adapter, floating license
Includes all updates within 1 year of license activation

Related products

Product overview

NFA-IOC-OTP

1917.062

netFIELD App IO-Link configurator, 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



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