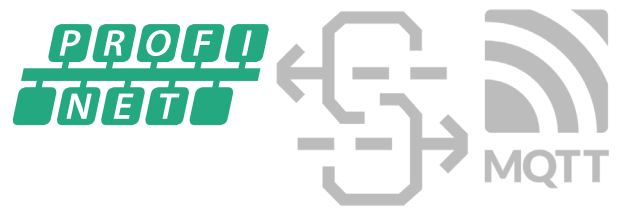


PROFINET Diagnosis App

netFIELD app for continuous analysis of diagnosis data for Industry 4.0 applications

- Makes diagnosis data of PROFINET devices usable for Industry 4.0 applications
- Works with all PROFINET devices
- IIoT-compatible provision of data via MQTT protocol
- Easy commissioning with a convenient web interface
- Reduced functionality without license key for test purposes



Implement IIoT applications with diagnostic data from PROFINET devices

The platform-independent netFIELD App PROFINET Diagnosis container app enables the provision of diagnosis data from devices and components in PROFINET networks. The app can scan existing devices and periodically read out the diagnosis data from the devices. The standard PROFINET protocol is used so that no manufacturer-specific tools are needed.

The analysis of diagnosis data from PROFINET devices enables continuous monitoring of the machine status. This allows both gradual and sudden deterioration of individual components to be detected and maintenance measures to be initiated. Errors are detected in good time and unplanned downtime is avoided. Predictive maintenance can be implemented easily and with little effort.

The netFIELD App PROFINET Diagnosis periodically retrieves data from the devices and provides the retrieved data via the MQTT protocol. MQTT is an easy-to-use IoT protocol that is very popular with developers.

The app provides a convenient web interface for configuration. The user can configure from which devices the diagnostic data is to be retrieved.

Under the netFIELD brand, Hilscher also offers additional communication apps, edge gateways, and a cloud-based remote management solution for the devices and containers.



→ netFIELD App PROFINET Diagnosis
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-profinet-diagnosis>

Hardware requirements

Processor architecture

AMD64, ARM64

Container size

450 MB, unpacked

Memory requirements

Approx. 150 MB

Network interfaces

2x 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

PROFINET

Outbound protocol

MQTT (as Client)

Range

Limited to local IP subnet

Minimum polling interval

1 s

Licensing

Billing model

One-time payment for a perpetual license

Software maintenance

After license activation, all updates are included for 12 months

Product activation

License key

Container protection

WIBU CodeMeter licensing technology, license server required (Windows or container)

Note: All technical data may be changed without further notice.

Product	Part number	Description
NFA-PNM-OTP	1917.056	netFIELD app for continuous analysis of diagnosis data for Industry 4.0 applications

Related products	Part number	Description
NFX8M-D2-N32-010	1918.010	netFIELD Compact X8M – Edge computing platform, basic device
NFX8M-D2-N32-012	1918.012	netFIELD Compact X8MC – Basic device with options CAN, DIO, TPM
NFX86-D8-N128-021	1918.021	netFIELD Unity - x64 Edge computing platform
NFA-OPS-OTP	1917.165	netFIELD App OPC UA Server



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