

sensorEDGE

Edge IO-Link master for remote sensor data transmission

- Remote data transmission of up to 8 IO-Link sensors
- Central device management and data visualization via an Internet portal
- Data transfer rate to and from the portal down to a second
- Real-time data streaming from the portal into custom applications via MQTT
- Automatic sensor recognition with IODDfinder service support



Instant solution for remote transmission of IO-Link sensor data

sensorEDGE forms the basis of a quickly deployable remote monitoring solution for your machines.

Equipped with two IO-Link master microcontrollers and an Internet uplink, the sensor box enables you to centrally monitor and analyze data from up to eight IO-Link sensors over the Internet using your own applications.

For sensorEDGE, only a power supply and an Internet connection are required. There is no need for elaborate operations with PLCs and fieldbus systems, as is necessary with conventional IO-Link masters.

Once IO-Link sensors are connected and automatically commissioned by the box using IODD files (from ioddfinder.io-link.com), it transmits the data to an Internet portal. There, the data can be visualized and is made available as JSON-coded payloads in MQTT messages ready for your applications' fetches.

Due to its autonomous and independent operation, sensorEDGE is ideal for retrofitting existing systems. Thanks to the IO-Link standard, the box is compatible with thousands of IO-Link sensors, and its IP67 rating allows a cabinet-free installation at locations in the field close to the data origin.



→ QR Code Link: netFIELD sensorEDGE
Service-Hotline: +49 (0) 6190 9907-90
www.hilscher.com

Product Information

Technical Data

IO-Link

Connectors

8 x M12 A-coded, socket; 5-pin

Master class

Class A; Specification V1.1

IO-Link operation mode

Sensors only

Power supply

Min. 1A per connection

Commissioning

Auto-detection/Web configurator

Short-circuit proof

Yes

Ethernet

Connector

1 x M12 D-coded, socket; 4-pin

Standard

IEEE 802.3, 10BASE-T/100BASE-TX

Communication

TCP/IP Port 443, AMQP Port 5671

Auto-Negotiation/-Crossover

Yes

Power supply

Connector

1 x M12 L-coded, connector; 5-pin

Voltage

24 V DC (18 ... 31.2 V DC)

Rated current

16A

Environment

Temperature (Operation)

-25 ... +60°C

Temperature (Storage)

-40 ... +85°C

Protection class

IP67

Geometry

Dimensions (LxWxH)

200 × 60 × 20 mm (without connectors)

Mechanics

Weight

420 gr

Conformity

CE & UKCA

Data transmission

To the cloud

Data transmission: 1x per second minimum, device status: 1x per minute

From the cloud

MQTT via web socket

Commercial

Device

One-off costs incl. 12 months of initial usage time

Cloud usage

Subscription

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

Article overview

NFS-M8-QM-D2-N16

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