

IO-Link Master Innovation

IloT Ethernet Master

The digitalisation and automation of industrial production is progressing. Making an innovative step, nass magnet, as an expert in modular and compact electromagnetic components, presents the new 4-port Ethernet IO-Link Master, focused on Industry 4.0 and IloT, implemented in a new designed housing.

Connected sensors and actuators can be remotely controlled and monitored via the network using the Ethernet TCP/IP interface.

Using IloT Master, data from sensors and actuators can be easily collected and transmitted to the IT/Cloud level, where the incoming information can be evaluated and stored.



Use

 Universal · Smart · Easy

IloT Ready Ethernet IO-Link Master

Intelligent Industry 4.0

With the rise of **Industry 4.0**, the demand for industrial IloT solutions is growing day by day. Easy and effective management of the massively increased Smart IO-Link devices has become a key challenge today.

The **Ethernet IO-Link Master** was designed especially for Industry 4.0 environment, with full capability to serve IloT systems and applications.

Thanks to the JSON interface which follows the new „JSON Integration for IO-Link” specification, managing of IO-Link sensors and actuators has never been easier. The device is fully compatible with any software application that supports JSON data format.

Over JSON data interchange format, the parameters and process data are simply accessible, all configuration and diagnostics can be done in a fast and flexible way.

Cost effective

With this new Ethernet Master, wiring costs can be dramatically reduced, compared to parallel cabling.

The system becomes transparent, making it easier to run and maintain.

Any extension or modification is much more simple than before. Due to the standard M12 connectors no special skills are required for cable work.

User friendly Easy installation

The integrated web GUI offers a convenient interface for:

- IO-Link gateway / Network configuration
- IO-Link Port configuration
- IO-Link Device configuration
- IO-DD-less ISDU (Indexed Service Data Unit) parameterization
- Basic security settings
- SNTP (Simple Network Time Protocol) time synchronization

Quick & Simple Easy parameter setting

Setting up new field devices is always a challenging task. With the IloT Ethernet Master all settings can be done remotely - eliminating the manual procedure.

Clever Data storage

All configured parameters of the connected devices can be stored in the unit. When replacing any of them the stored parameters are downloaded automatically.

It will **save time and cost** in case of maintenance, and significantly reduce the number of possible faults.

Plug'n'Play Advantages / Benefits

- State-of-the-Art Web GUI interface
- Direct device access over Ethernet without industrial Fieldbus and PLC
- Easy Node-RED integration
- Harmonised with the latest IO-Link standards
- Cost effective design

State-of-the-art technology Features

- IO-Link V1.1.3 compatible Master
- Ethernet/TCP-IP interface,
- DHCP (Dynamic Host Configuration Protocol) or static IP address configuration
- Standardized JSON mapping
- Node-RED integration supported
- 4 independent powered IO-Link Class A ports
- IP67 Protection
- MQTT supported

IO-Link V 1.1.3. fully backward IO-Link compatibility

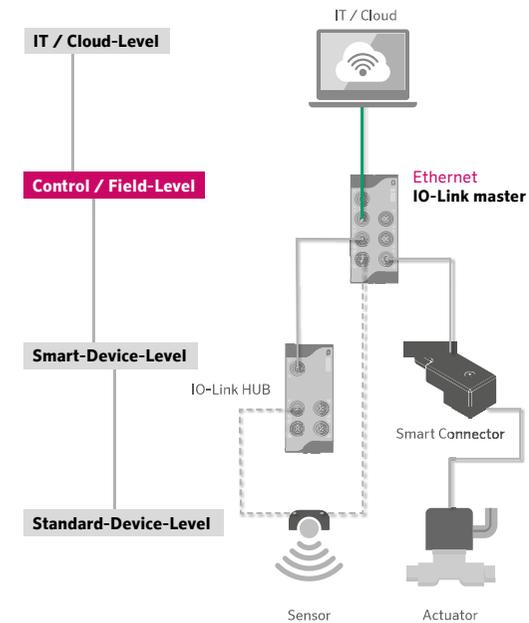
EtherNet/TCP-IP interface, which is globally accepted and highly supported, making it easy to integrate with existing systems or to build a new system.

Close to customers

Special offers

- Direct manufacturer support
- Customized OEM enclosure possible
- Up-to-date software/firmware support
- Extendable with on-board MCU (Microcontroller Unit)
- In combination with the **Smart Valve Connector** by nass magnet, it is the perfect solution **for valve monitoring**

Automation levels Structure



Overview Technical data

Operating voltage.....	24 VDC (18..30 VDC)
Interface.....	Ethernet
Protocol.....	HTTP, TCP/IP, JSON, MQTT
Number of ports.....	4 x M12 - IO-Link
Max. Input / Output.....	Programmable 8 / 4
IO-Link Master Port Type.....	Class A / COM 1, COM 2, COM 3
Output power.....	500 mA / port
Output power - Total max.....	2A
IP Rating.....	IP 65/67
Housing material.....	PA6 GF20 FR
Ambient temperature.....	- 20 .. + 60 °C