



Industrial Communication. Stay Connected. **wenglor's IO-Link Portfolio**



IO-Link System Solution

wenglor offers a comprehensive **IO-Link system solution** consisting of **IO-Link master**, **IO-Link hub** and **IO-Link analog converter** as well as sensors with IO-Link. This technology enables direct and interference-free communication between machines and control systems, enabling processes to be monitored and optimized. IO-Link stands for fast data transfer, flexible adaptation and easy integration into existing networks.



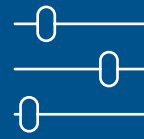
Quick sensor replacement



Condition monitoring



Simple initial start-up



Multiple measured values per device

 **IO-Link**[®]



You can find all the details and even more about our IO-Link portfolio on our website.



Use Cases with IO-Link Products

Flexible Sensor Parameterization

- Increased efficiency due to simple parameterization when changing material during operation
- Reduction of downtimes due to automatic adoption of the stored sensor parameters when the sensor is replaced



Digitization of Analog Signals

- No loss of accuracy due to multiple data conversion
- Process-reliable data transmission with high electromagnetic compatibility
- Insensitive to EMC influences due to digital process value transmission

Changing the Format

- Flexible adaptation to different batches for efficient production with varying materials and product sizes
- Seamless adaptation and minimal downtimes due to simple parameterization when changing the program of the IO-Link products



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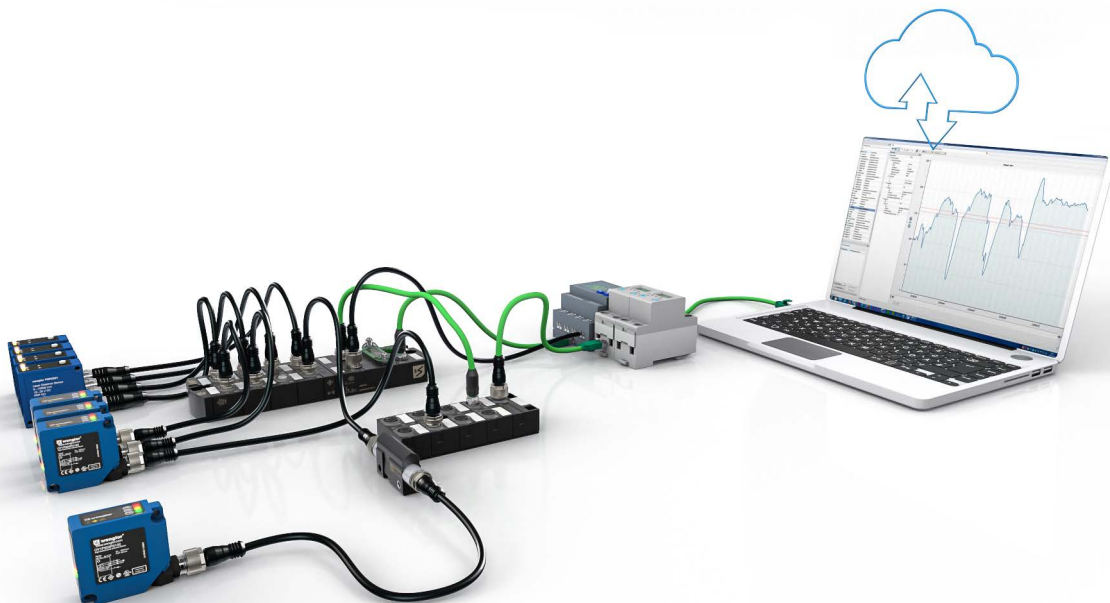


From Sensor to Cloud – IIoT-Ready for Industry 4.0

wenglor is positioning itself as a pioneer for industry with a new generation of IO-Link masters. The IO-Link masters enable seamless communication from the sensor-actuator level up to the cloud. Numerous functions are also available that are optimally tailored to the requirements of Industry 4.0. These include:

- ✓ Integrated web server with extensive display and configuration options
- ✓ Communication via JSON using REST API interface
- ✓ Communication via MQTT interface
- ✓ Integrated OPC-UA server

These features enable the implementation of numerous applications and create real added value. Thanks to the live data, the status of machines and equipment such as sensors can be monitored at any time and from any location. This makes predictive maintenance and condition monitoring much easier. Production processes can also be monitored and quality defects detected at an early stage.



Product Overview



IO-Link masters	Interface	Special feature	Number of IO ports
EP8P001	PROFINET, IO-Link on board	IIoT-capable	8
EP8E001	EtherNet/IP™	IIoT-capable	8
EP8C001	EtherCAT	IIoT-capable	8



IO-Link hubs	Special feature	Number of IO ports	Number of digital inputs/ outputs (DIO)
EP8H001	M12 × 5-pin	8	16 × switchable
EP8H002	M8 × 3-pin	8	8 × switchable



IO-Link converters	Measuring range	Resolution	Communication mode
EP1A001	0...20 mA 4...20 mA 0...10 V -10...+10 V	16 bit	COM2



wenglor
the innovative family



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