Increase your machine flexibility with IO-Link solutions

IO-Link is a standardized communication protocol that bridges the gap between sensors and automation systems. It enables intelligent, bi-directional communication, providing real-time data exchange, diagnostics, and parameterization.
Data is the foundation of Industry 4.0 and the access to additional sensors data through IO-Link provides real-time process insights to optimize operations, improve product quality and reduce costs.

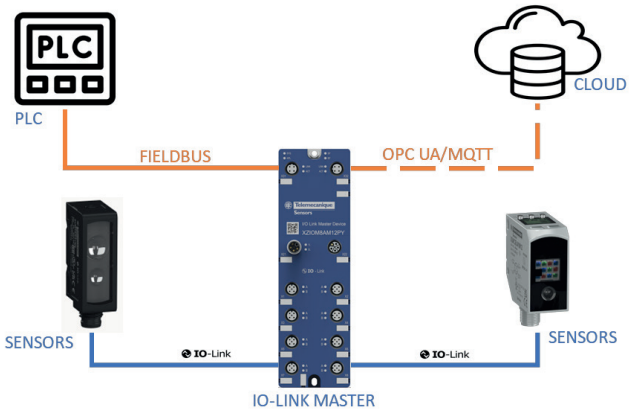
Unlock the full potential of sensors with IO-Link

Remove complexity with simplified architecture, automatic parameter settings and error free integration option

Reduce your cost with simplified installation and reduction in cables and sensor types

Shorten commissioning time with quick configuration and standard cables

Increase machine uptime and productivity with continuous monitoring of device and sensor performances



Easy to Integrate

Save up to 2 weeks of time and effort in integration through our data function blocks for top PLCs.

Easy cloud connection with integrated OPC UA Server & MQTT protocol.

Easy to Install

The Daisy Chain option for power and communication simplifies installation, leading to 25 to 30 % cost savings on cables.

Effortless installation with Plug & Play Sensors.

Easy to Use

Multiple configurations tools: Standalone software & web configurator.

Download & install the right IODD file in a single click Integrated IODD finder.

tesensors.com

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IO-Link Master

IO-Link master is the interface between sensors and PLCs, connecting sensors through IO-Link communication & PLC through the Fieldbus network. IO-Link master enables high speed bi-directional data exchange between the controller and the IO-Link devices, such as sensors that can share data, events & notifications directly to the controller and to the cloud via OPC UA & MQTT protocols.

EFFECTIVE POWER SUPPLY

2 Galvanically separated powersupply lines up to 16A

HIGH RESISTANCE

Operational from -20 °C to 70°C temperature
High immunity to EMC, Vibrations

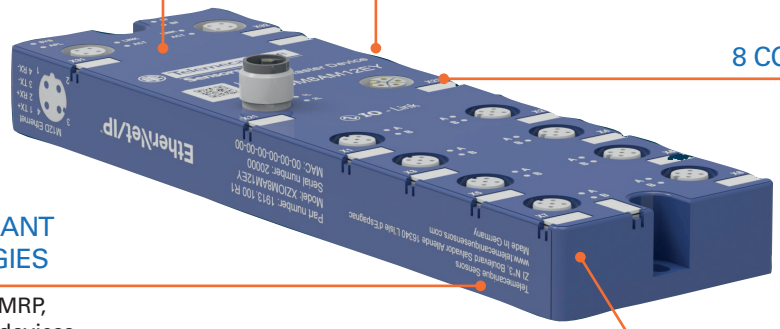
IP67

OPC UA

MQTT

PROFINET®

EtherNet/IP™



8 CONFIGURABLE CLASS A PORTS

Up to 3A current output per port

SUPPORTS REDUNDANT NETWORK TOPOLOGIES

Seamlessly integrates to MRP,
DLR Topologies as client devices

INTEGRATED SENSORS FOR MONITORING

Monitors current, voltage & temperature for each port
Diagnosis information and events over OPC UA client
Internal current overload protection

References

IO-Link Masters

Reference	Description
XZIOM8AM12EY	IO-Link Master, 8 ports, Class A, IP67, M12, Ethenet/IP, 24VDC
XZIOM8AM12PY	IO-Link Master, 8 ports, Class A, IP67, M12, Profinet, 24VDC

Power Cables

Reference	Description
XZCPK75DL2	IO-Link Master Single-Ended Pre-wired, L-Coded Power cable, Female, straight, 5-Pin(4+FE), PUR, 1.5 mm², 2 m
XZCPK75DL5	IO-Link Master Single-Ended Pre-wired, L-Coded Power cable, Female, straight, 5-Pin(4+FE), PUR, 1.5 mm², 5 m
XZCPK75CL2	IO-Link Master Single-Ended Pre-wired, L-Coded Power cable, Female, elbowed, 5-Pin(4+FE), PUR, 1.5 mm², 2 m
XZCPK75CL5	IO-Link Master Single-Ended Pre-wired, L-Coded Power cable, Female, elbowed, 5-Pin(4+FE), PUR, 1.5 mm², 5 m
XZCR25K25DL2	IO-Link Master Jumper Power cable, Male straight M12 5 pin, Female straight M12 5 pin, PUR, 1.5 mm², 2 m
XZCR25K25DL5	IO-Link Master Jumper Power cable, Male straight M12 5 pin, Female straight M12 5 pin, PUR, 1.5 mm², 5 m
XZCR26K26CL2	IO-Link Master Jumper Power cable, Male elbowed M12 5 pin, Female elbowed M12 5 pin, PUR, 1.5 mm², 2 m
XZCR26K26CL5	IO-Link Master Jumper Power cable, Male elbowed M12 5 pin, Female elbowed M12 5 pin, PUR, 1.5 mm², 5 m

Ethernet Cables

Reference	Description
XGSZ12E4503	Ethernet copper cable, M12 D coded to RJ45, 3 m
XGSZ12E4510	Ethernet copper cable, M12 D coded to RJ45, 10 m
XGSZ22E4503	Ethernet copper cable, Jumper M12/RJ45 straight/elbowed shielded 3 m
XGSZ22E4510	Ethernet copper cable, Jumper M12/RJ45 straight/elbowed shielded 10 m

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