XZIO
XZCR

## 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
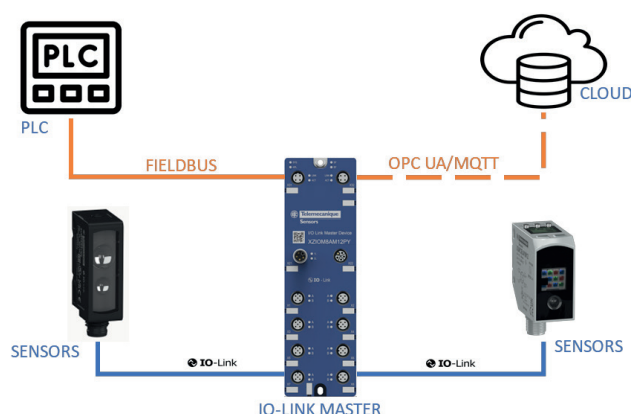


### Easy to Integrate

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 % 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.

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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
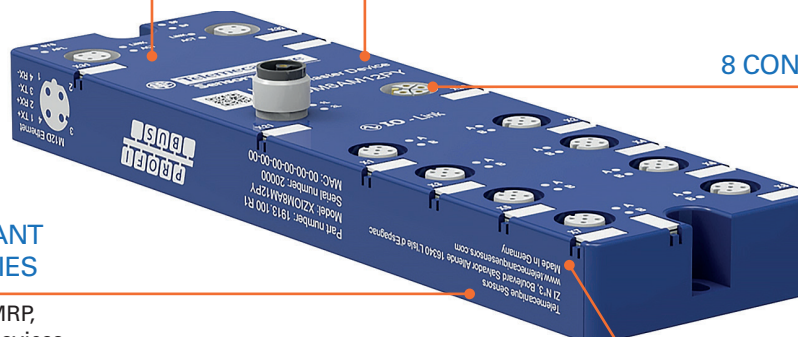High immunity to EMC, Vibrations

**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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