



temperature



pressure



humidity



vibration



power



touch



GPS



gateway



cloud

IIoT Solved: Adding Smart IO-Link Sensors to the IIoT Edge

IO-Link is the first standardized, plug-n-play IO technology worldwide for industrial sensor and actuator communications, and Technotects has successfully married this innovative technology with the Intelligent IIoT Edge. Linking intelligent sensors, actuators and even mechatronic components like robotic grippers to an IIoT Edge architecture couldn't be easier. Plug IO-Link sensors into an IO-Link Master and then plug the IO-Link Master into an IIoT Edge Gateway with EdgeSmart™, and the measured signals are ready for analysis and visualization at the IoT Edge and Cloud.

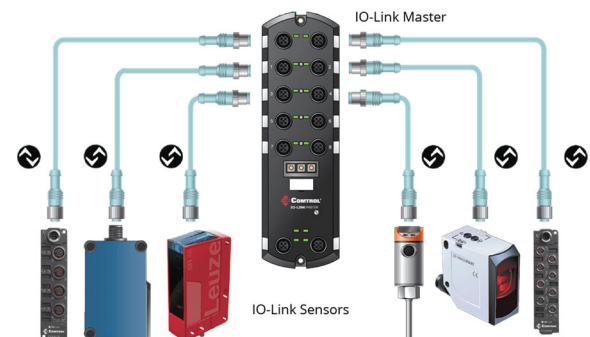

IO-Link


- World-wide sensor/actuator standard
- Standard M12 connectorized cordsets
- Automatic sensor discovery and configuration
- On-board signal scaling, normalization and MQTT translation
- Daisy-chained IO-Link Masters for rapid expandability

- Open-Source Edge X Foundry based EdgeSmart™ software stack
- RedisDB, Node-RED, Grafana, RSA Security, Azure IoT Hub
- Local data storage, analysis, and KPI visualization
- Data integrity and security at rest and in-flight
- IoT Cloud connectivity for fleet-wide AI & ML

Why IO-Link?

IO-Link is a powerful, yet simple protocol with wide support in the industry. In almost any place that a digital or analog sensor is used, an IO-Link sensor can provide significantly more information, configurability and control. The smart and rugged IO-Link devices (e.g., process sensors, RFID readers, valves, motor starters, I/O modules) manage multiple signal types and provide configuration and diagnostics over the network for fast commissioning, optimized control and preventative maintenance.



CONTACT US FOR HELP WITH YOUR NEXT IIOT PROJECT