IO-Link Technology Enables Industry 4.0 and IIoT Solutions

IIoT benefits with direct sensor connection through OPC UA.
Pepperl+Fuchs Comtrol's IO-Link Masters to simultaneously provide a sensors Process data to PLC platforms, while also sending the sensors ISDU Service and Process data via Modbus TCP or OPC-UA upstream to IIoT/Industrie 4.0 Cloud solutions or SCADA systems.

**BENEFITS OF OPC UA**

- **No PLC required**
- The IO-Link Master OPC UA series combines the benefits of the IO-Link standard, OPC UA and additional use of EtherNet/IP™, Modbus TCP and PROFINET IO protocols simultaneously.
- Pepperl+Fuchs Comtrol's IO-Link Master allows you to solely use OPC-UA, without a PLC involved, which saves on hardware and software costs.
- Send IO-Link or Digital device information directly up to software systems such as Ignition, Xetics, GE Proficy, Wonderware, Iconics, or any other client software supporting OPC UA.
- Open architecture
- IIoT and Industry 4.0 enabled
- Simultaneous connection using
  - EtherNet/IP, OPC UA and Modbus TCP
  - Profinet, OPC UA and Modbus TCP
- Provide sensor data to monitor machine efficiency
- Countless application possibilities
OPC UA PROVIDES SENSOR DATA ANALYTICS

Direct to Sensor Communication

- PTC Thingworx
- Xetics C-labs
- Wonderware
- Ignition
- Iconics

SPS/PLC Control Layer

Connectivity Field IO Layer

Human Machine Interface (HMI)

OPC UA

IO-Link

Master DR-8-EIP

Embedded IoT Gateway

IO-Link Sensors

Sensor Data Metrics

IO-Link Master 8-EIP

Embedded IoT Gateway

IO-Link Sensors
Pepperl+Fuchs Comtrol, a company with a long history of industrial data communication solutions, is pleased to introduce the industry’s highest density IO-Link Master gateway. Easily integrate the IO-Link Master into a system network with existing and new industrial Ethernet installations.

- Increase sensor data availability to multiple software hosts
- Reduce maintenance and cabling costs
- Reduce PLC programming times
- System integration and interoperability for SCADA; process controllers
- Complete set of network management tools

Pepperl+Fuchs Comtrol’s IO-Link gateways support both Class 1 and Class 3 EtherNet/IP™ as well as Modbus TCP and PROFINET IO. The gateways are compatible with a vast array of PLCs, both new and old.

- Any Modbus enabled PLC, HMI, SCADA that can run as a Modbus TCP Master (Client)
- Any Modbus TCP Client (including apps on phones/tablets)
- PLC Controller Supported:
  - Siemens
  - Rockwell Automation
  - Omron
  - GE
  - Schneider Electric
  - ABB
  - Codesys