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At a glance:

- IO-Link master with OPC UA interface
- Complete and consistent transparency
- Communication from the sensor to the cloud

IO-Link Data Communication through to the Cloud

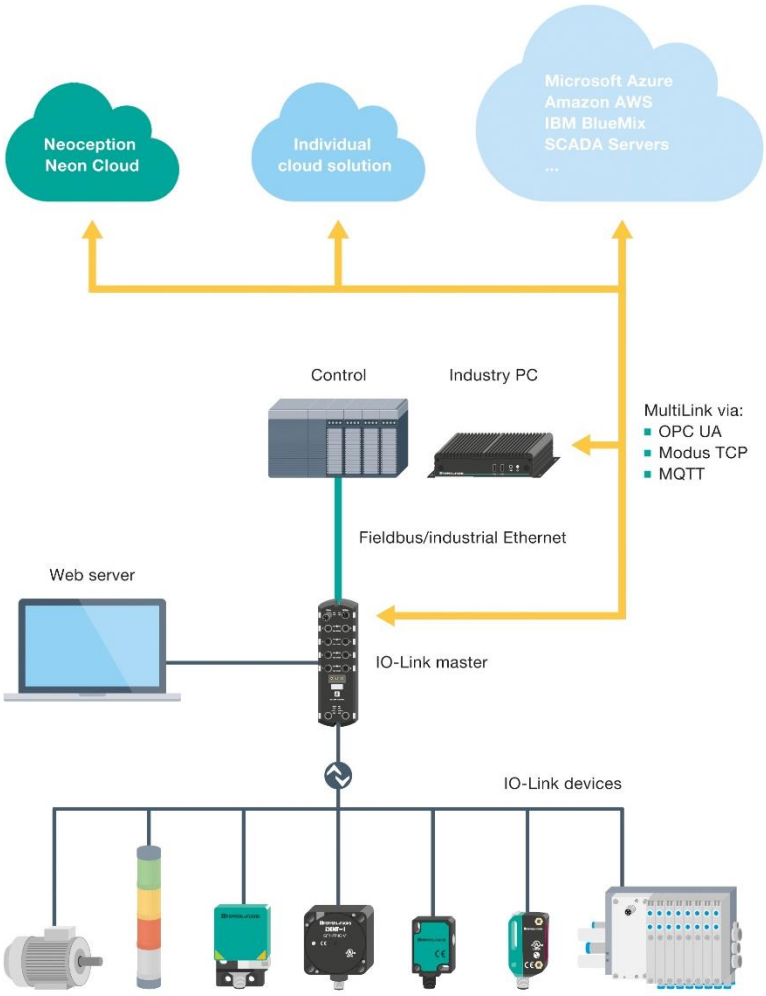
IO-Link Master with OPC UA Interface

The smart combination of the IO-Link sensor interface and the OPC UA communication protocol in a single device gives Pepperl+Fuchs new opportunities to offer complete, seamless, and transparent communication "from the sensor to the cloud."

Continuous data communication from the lowest sensor/actuator level to the cloud is becoming increasingly important across the entire industrial environment. For the logistics sector in particular, where adherence to deadlines is a key requirement, it is essential to know where packages are located, how long processing will take, and where potential plant malfunctions can lead to delays.

The IO-Link sensor interface represents the first step toward this level of transparency. In addition to process data from the sensor, IO-Link provides information for identifying, configuring parameters for, and diagnosing the sensor. Combining IO-Link and OPC UA now allows this data to be easily transferred to higher-level computer- or cloud-based systems. This is the second and most decisive step toward complete data transparency since the data is accessible beyond the central control system. Decision-makers can now access the data without the need for complex workarounds. Pepperl+Fuchs is the first provider to combine IO-Link and OPC UA in one device, thus creating new opportunities for the digital future of its customers.

Picture 1: IO-Link master with OPC UA interface



Picture 2: End-to-end and transparent communication from the sensor to the cloud

Key words: IO-Link, OPC UA, IO-Link Master, cloud communication

Author: Lukas Pogoda

Characters: 1452, including spaces
Characters in summary: 1237, excluding spaces

Pictures: MAC0009091
MAC0009351

March 2020
No charge when used in publications.