

Completing infrastructure.
Revolutionizing communication.
Enabling Industry 4.0.

IO-Link Masters with OPC UA Interface



Your automation, our passion.



Future-Proof with IO-Link for Existing Infrastructure

Pepperl+Fuchs IO-Link masters offer more flexibility through parallel data access. With unique MultiLink™ technology, for example, they allow simultaneous data access from PLCs and OPC UA clients. This helps you unlock the benefits of Industry 4.0 applications without having to replace or interfere with your PLC.

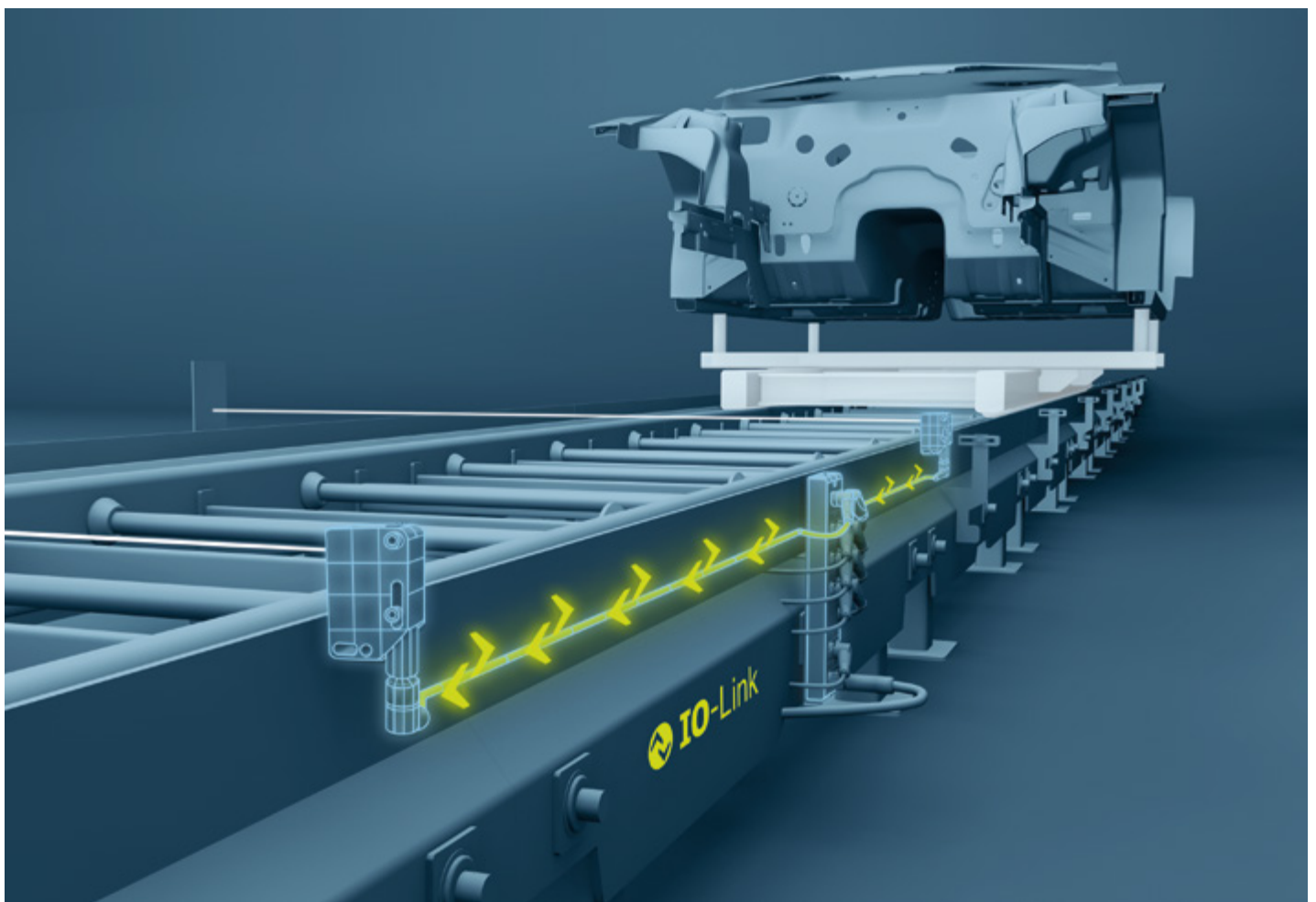
Flexibility for the Future

IoT-optimized IO-Link masters offer everything needed for flexible cloud applications. This enables stand-alone use for connecting sensors without a higher-level PLC for applications that are not time sensitive. MultiLink allows multiple sources to access the device in parallel and provide the right data wherever it is needed. ICE2 (EtherNet/IP) and ICE3 (PROFINET) series modules are available in field or control cabinet versions, depending on the application. Whether with a traditional PLC and an industrial PC or as a purely cloud-based application, IO-Link masters from Pepperl+Fuchs offer the most flexibility and planning reliability.

Maximizing Benefits and Minimizing Costs

For retrofit applications, integrating new devices into the existing infrastructure is crucial. IO-Link masters from Pepperl+Fuchs are perfectly suited for this. With MultiLink technology and an OPC UA interface, new applications that are less time critical can be mapped easily and cost-effectively via computer- or cloud-based systems. This eliminates the need to adjust the existing control logic. This is how the advantages of IO-Link can be used without having to replace older, but otherwise powerful controllers.

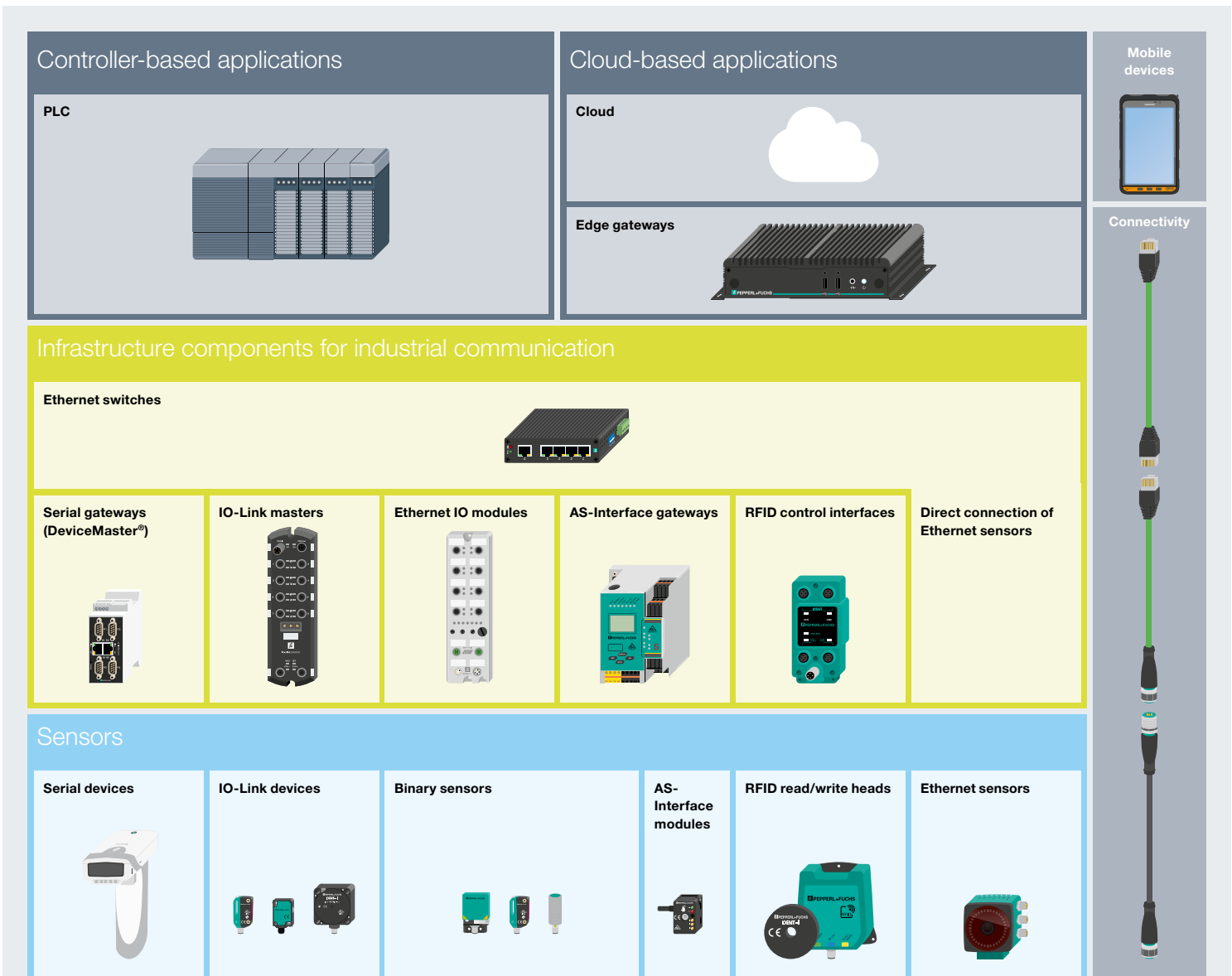
For more information, visit
www.pepperl-fuchs.com/pf-io-link



Continuous Data Transfer from the Sensor to the Cloud

Whether classic binary sensors, serial, RFID, or IO-Link sensor data, the complete portfolio from Pepperl+Fuchs offers all the components required for industrial communication from the sensor/actuator level to the cloud. This paves the way for future-oriented applications in the context of Industry 4.0.

Decades of experience and sound technical know-how in industrial communication and industrial Ethernet make Pepperl+Fuchs the ideal choice as a system provider for application-specific hardware and software solutions.





Highlights:

- OPC UA interface for cloud-based applications that pave the way for future Industry 4.0 scenarios
- MultiLink—simultaneous communication with PLCs and cloud/SCADA systems offers outstanding flexibility in automation systems
- Integrated web server and IODD interpreter enable simple configuration via a web browser
- PortVision® DX software offers network configuration, device management, and settings cloning/backup in one application

Technical Data	ICE2-8IOL-G65L-V1D	ICE3-8IOL-G65L-V1D	ICE2-8IOL-K45S-RJ45	ICE2-8IOL-K45P-RJ45	ICE3-8IOL-K45S-RJ45	ICE3-8IOL-K45P-RJ45
Description	EtherNet/IP IO-Link master with 8 inputs/outputs	PROFINET IO-Link master with 8 inputs/outputs	EtherNet/IP IO-Link master with 8 inputs/outputs, DIN rail		PROFINET IO-Link master with 8 inputs/outputs, DIN rail	
Power Connection	M12, L-coded		Screw terminals	Push-in connectors	Screw terminals	Push-in connectors
Sensor Connection	M12, A-coded		Screw terminals	Push-in connectors	Screw terminals	Push-in connectors
Network Connection	M12, D-coded		RJ45			
IP Rating	IP67		IP20			
Protocols	EtherNet/IP, MODBUS TCP, OPC UA	PROFINET, MODBUS TCP, OPC UA	EtherNet/IP, MODBUS TCP, OPC UA		PROFINET, MODBUS TCP, OPC UA	



For more information about the IO-Link setup, visit www.pepperl-fuchs.com/pf-control

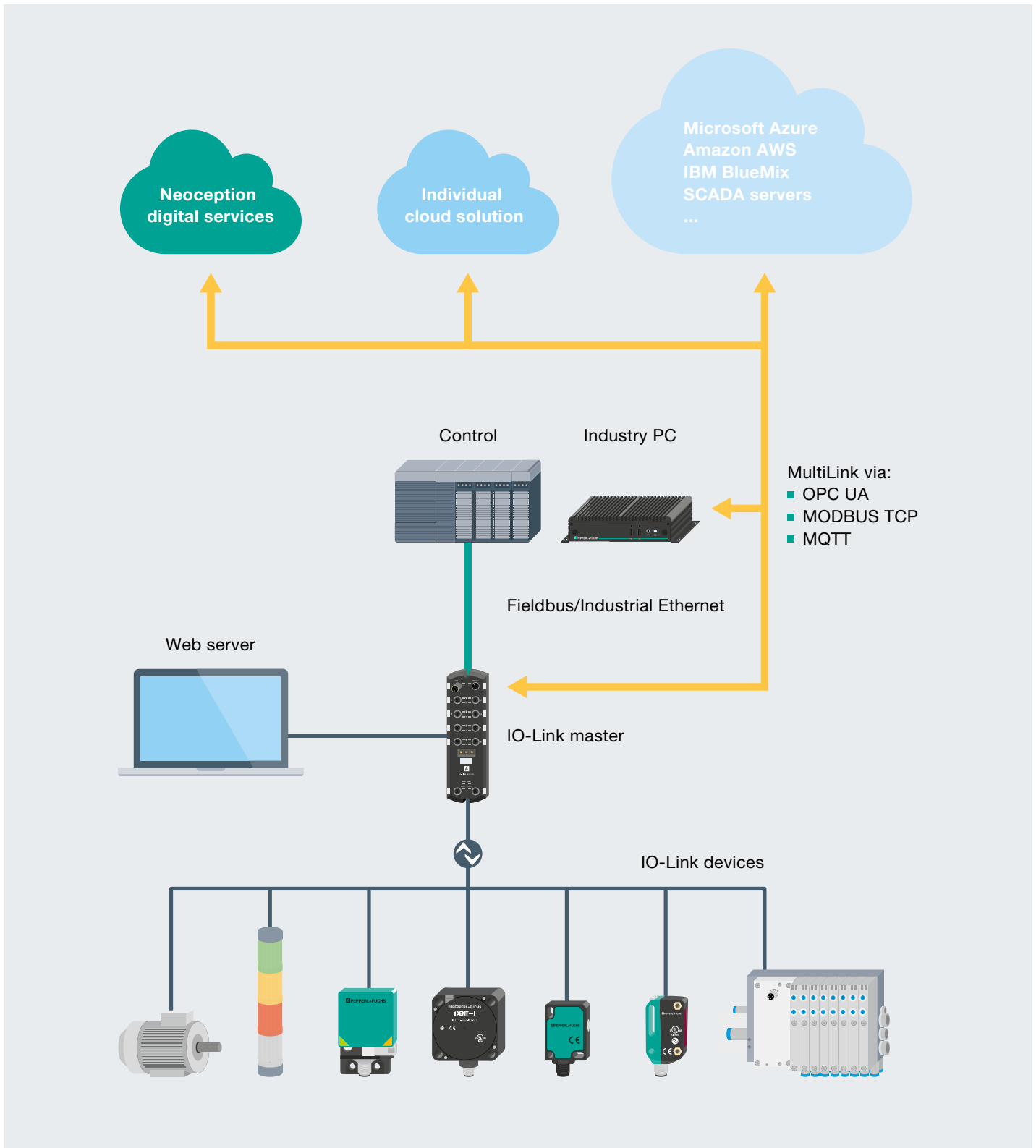


MultiLink: Innovative Communication via OPC UA

Pepperl+Fuchs IO-Link masters are the first products on the market with MultiLink. This technology makes it possible to control time-sensitive processes with a PLC while simultaneously allowing cloud and SCADA systems to access all sensor data. Experienced PLC programmers and database experts can take advantage of these products by setting clear access rights to outputs and parameters.

Quick and Easy Web Configuration

An integrated web server and IODD interpreter enable complete configuration of the fieldbus connection and attached IO-Link devices via a web browser. For larger installations that need advanced functionality, PortVision® DX is the perfect solution. This tool allows you to manage IO-Link devices, configure network settings, and clone module configurations or store them as a backup. This speeds up system reconfiguration and ensures plant productivity.



Your automation, our passion.

Explosion Protection

- Intrinsic Safety Barriers
- Signal Conditioners
- FieldConnex® Fieldbus
- Remote I/O Systems
- Electrical Ex Equipment
- Purge and Pressurization
- Industrial HMI
- Mobile Computing and Communications
- HART Interface Solutions
- Surge Protection
- Wireless Solutions
- Level Measurement

Industrial Sensors

- Proximity Sensors
- Photoelectric Sensors
- Industrial Vision
- Ultrasonic Sensors
- Rotary Encoders
- Positioning Systems
- Inclination and Acceleration Sensors
- Fieldbus Modules
- AS-Interface
- Identification Systems
- Displays and Signal Processing
- Connectivity

Pepperl+Fuchs Quality

Download our latest policy here:

www.pepperl-fuchs.com/quality

