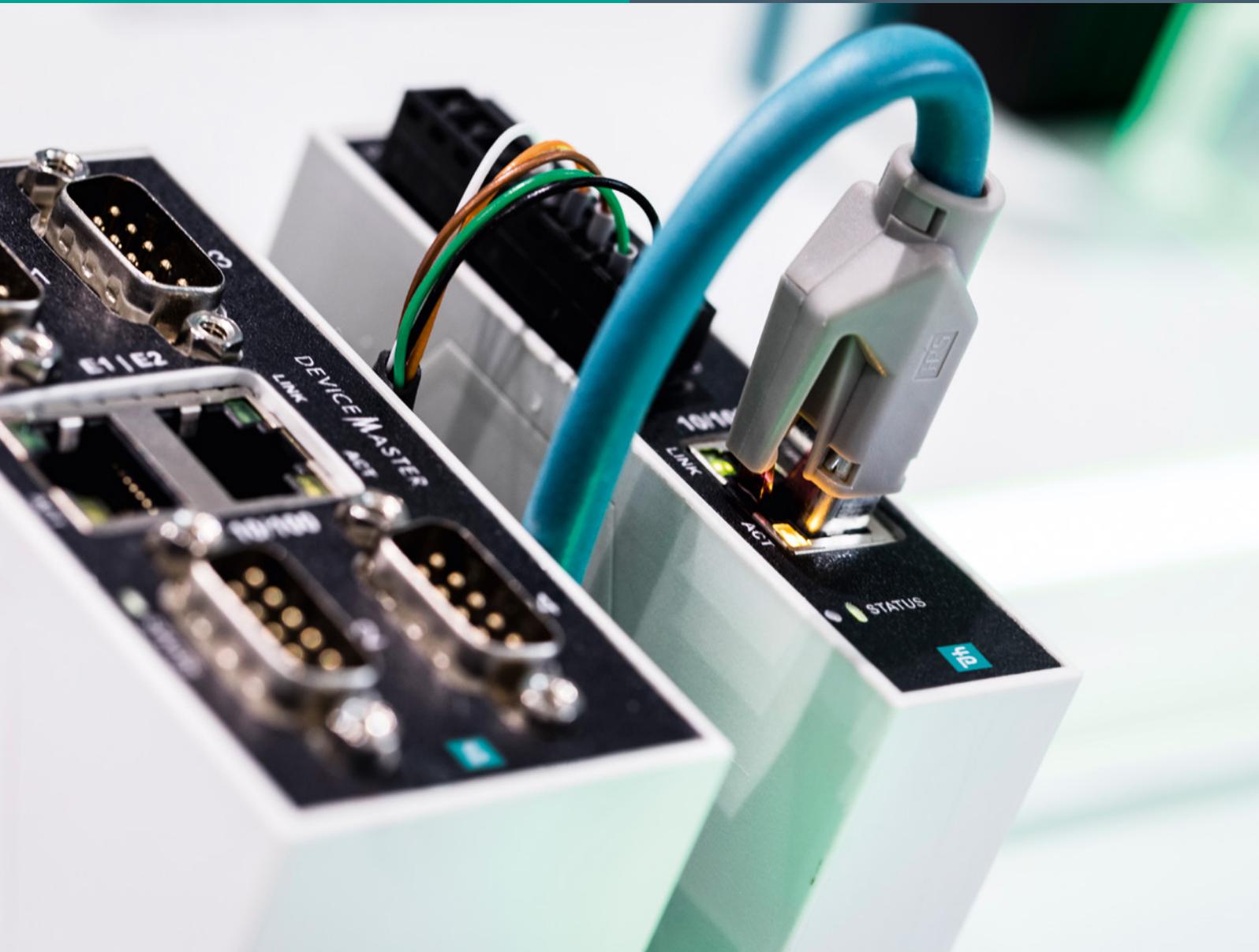


# Easy and Flexible Integration of Serial Devices into Ethernet Networks

DeviceMaster®  
Serial Gateways



Your automation, our passion.

 **PEPPERL+FUCHS**

# Flexible Plant Modernization with High Investment Security



Connect any serial device to plant Ethernet or the cloud with our proven and highly flexible line of DeviceMaster® serial gateways. With a large selection of modules and an integrated web server for setting serial communication parameters, the serial gateways support the wide array of modern and legacy equipment available on the market.

### Easy to Connect to Modern Networks

The serial gateways enable fast and flexible integration of serial devices such as barcode scanners, RFID read heads, scales, printers, and vision systems into Ethernet-based fieldbus systems like PROFINET, MODBUS TCP, and EtherNet/IP.

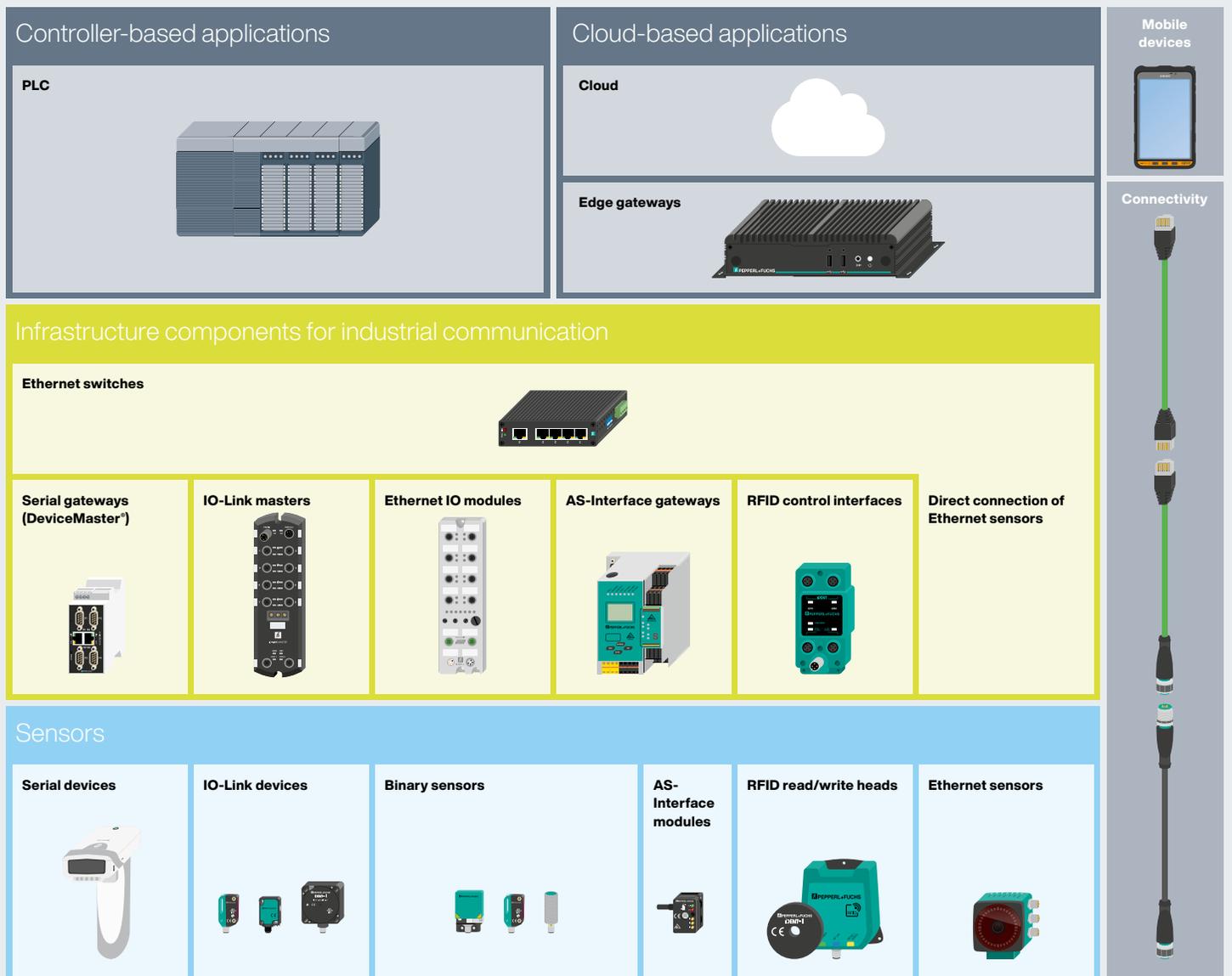
With a single gateway, communication with many serial devices can be supported at the same time using a combination of RS-232, RS-422, and RS-485 serial communication protocols. An integrated web server allows easy configuration of network settings and port parameters for communication with TCP/IP and industrial Ethernet systems while Windows and Linux drivers support PC-based applications.

### Made for a Variety of Applications

DeviceMaster servers and gateways are available with 1 to 32 serial ports with DB9 or terminal block connectors for DIN rail, panel, and rack mounting. They support RS-232/422/485, MODBUS RTU, and ASCII for device connectivity and MODBUS TCP, EtherNet/IP, and PROFINET for interfacing with PLCs and industrial Ethernet networks.

## Continuous Data Transfer from the Sensor to the Cloud

Whether it is classic binary sensors or 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 is paving 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 right system provider for application-specific hardware and software solutions.

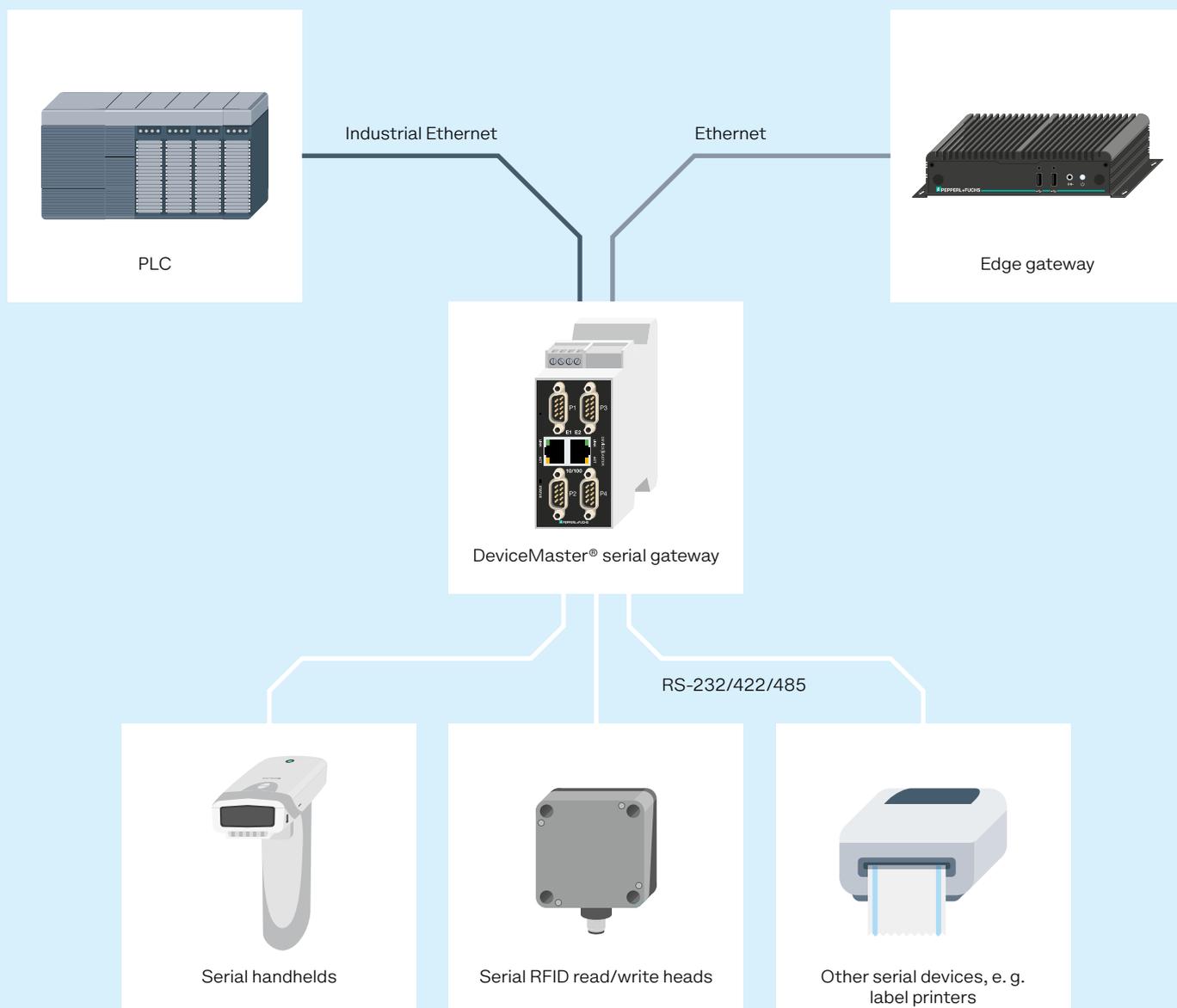


## Flexible Bidirectional Communication

DeviceMaster can be used to easily link Ethernet-based controllers, SCADA systems, and HMIs using a range of protocols. EtherNet/IP-to-MODBUS and PROFINET-to-MODBUS versions enable bidirectional communication between EtherNet/IP or PROFINET controllers and MODBUS devices and TCP/IP versions allow connection to PC-based systems.

## Quick and Easy Online Configuration

The integrated web server allows the serial parameters for individual ports to be configured via a web browser. For large-scale applications requiring many DeviceMasters gateways, the free configuration and management software, PortVision® DX, is the perfect solution. Serial devices can be managed, network settings can be configured, and module configurations can be cloned or saved as backup. This speeds up system configuration and ensures productivity.



## Technical Data

### ICDM-RX/\*-DB9/RJ45-PM



### ICDM-RX/\*-DB9/RJ45-DIN



### ICDM-RX/\*-ST/RJ45-DIN



### ICDM-RX/\*-2ST/RJ45-DIN



### ICDM-RX/\*-2DB9/RJ45-DIN



### ICDM-RX/\*-4DB9/2RJ45-DIN



<b>Protocols</b>	TCP/IP, EtherNet/IP™, PROFINET IO, MODBUS TCP, EtherNet/IP™ to MODBUS, PROFINET IO to MODBUS					
<b>Serial Ports</b>	1 x RS-232/-422/-485	1 x RS-232/-422/-485	1 x RS-232/-422/-485	2 x RS-232/-422/-485	2 x RS-232/-422/-485	4 x RS-232/-422/-485
<b>Serial Baud Rate</b>	300 Bit/s to 230 kbit/s	300 Bit/s to 230 kbit/s	300 Bit/s to 230 kbit/s	300 Bit/s to 230 kbit/s	300 Bit/s to 230 kbit/s	300 Bit/s to 230 kbit/s
<b>Serial Interface</b>	DB9M	DB9M	Removable screw terminal	Screw terminal	DB9M	DB9M
<b>Operating Temperature</b>	-40 °C ... 75 °C	-40 °C ... 75 °C	-40 °C ... 75 °C	-40 °C ... 75 °C	-40 °C ... 75 °C	-40 °C ... 75 °C
<b>Installation Mounting</b>	DIN rail/panel mount	DIN rail				
<b>Certifications</b>	CE/FCC/UL/RoHS3/NEMA TS2	CE/FCC/UL/RoHS3/NEMA TS2	CE/FCC/UL/RoHS3/NEMA TS2	CE/FCC/UL/RoHS3/NEMA TS2	CE/FCC/UL/RoHS3/NEMA TS2	CE/FCC/UL/RoHS3/NEMA TS2

## Technical Data

### ICDM-RX/TCP-4DB9/2RJ45-PM



### ICDM-RX/TCP-8DB9/2RJ45-PM



### ICDM-RX/TCP-16DB9/RJ45-RM



### ICDM-RX/TCP-16RJ45/RJ45-RM



### ICDM-RX/TCP-32RJ45/RJ45-RM



<b>Protocol</b>	TCP/IP	TCP/IP	TCP/IP	TCP/IP	TCP/IP
<b>Serial Ports</b>	4 x RS-232/-422/-485	8 x RS-232/-422/-485	16 x RS-232/-422/-485	16 x RS-232/-422/-485	32 x RS-232/-422/-485
<b>Serial Baud Rate</b>	300 Bit/s to 230 kbit/s				
<b>Serial Interface</b>	DB9M	DB9M	DB9M	RJ45	RJ45
<b>Operating Temperature</b>	-40 °C ... 75 °C				
<b>Installation Mounting</b>	Panel mount	Panel mount	Rack mount	Rack mount	Rack mount
<b>Certifications</b>	CE/FCC/UL/RoHS3/NEMA TS2				

## Highlights

- Maintains running investments by converting serial data to Ethernet
- Flexible configuration of each parameter for seamless integration
- Easy setup via web server or PortVision DX software
- Enhanced security with SSL and SSH management and SSL serial data stream encryption
- PortVision DX software for network configuration, device management, and cloning/backup of settings in one application



For more information about serial gateways, visit [pepperl-fuchs.com/pf-devicemaster](https://pepperl-fuchs.com/pf-devicemaster)

# Your automation, our passion.

## Explosion Protection

- Intrinsic Safety Barriers
- Signal Conditioners
- FieldConnex® Fieldbus Infrastructure
- Remote I/O Systems
- Electrical Explosion Protection Equipment
- Purge and Pressurization Systems
- HMI Systems
- 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
- Industrial Ethernet
- AS-Interface
- IO-Link
- Identification Systems
- Displays and Signal Processing
- Connectivity

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