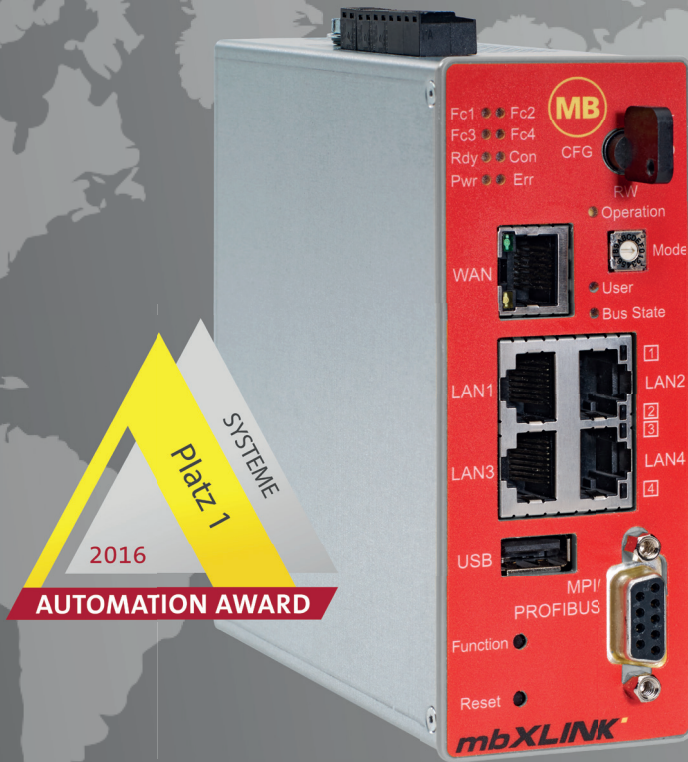


# FROM THE FIELDBUS SECURE TO THE CLOUD



## **mbXLINK** THE SECURE CLOUD GATEWAY

**mbXLINK** collects data from the fieldbus layer and brings it safely into the cloud. The safety concept is based on a data diode which allows the communication in just one direction - from the field to the safe network. The return channel is electrically isolated and can only be activated by means of a key switch for configuration purposes.

It is thus technically impossible to connect to the system from the outside in order to steal or manipulate data. The real hardware-based separation also excludes the usual weaknesses of security hardware: unauthorized configuration change by a user or security breaches in the software.

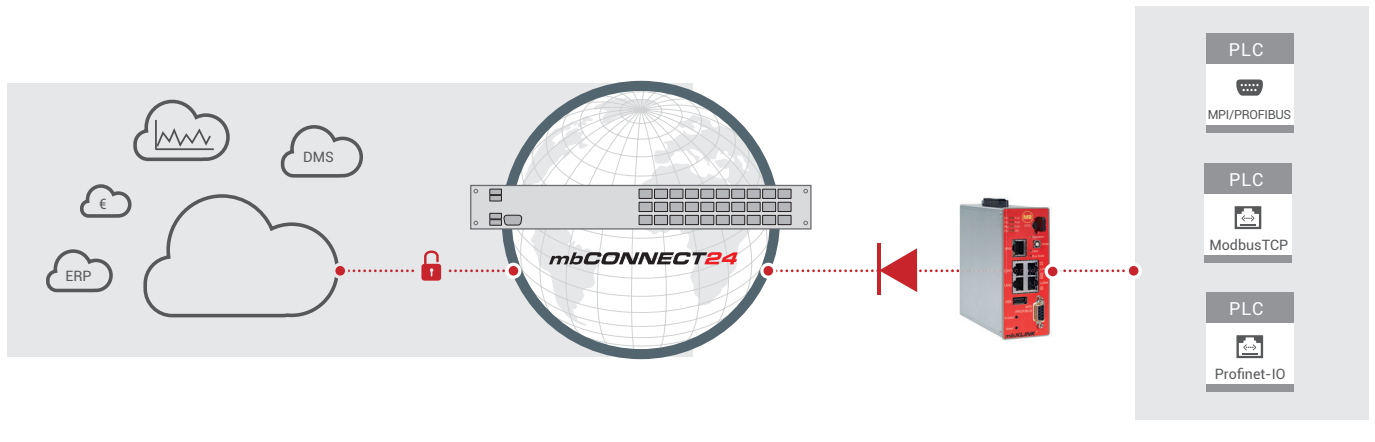
The overall concept also includes the connection to the cloud and can be used out of the box, without further programming software installation.

### Top 5 facts:

- ✓ Security through hardware-based data diode
- ✓ Key switch as access protection
- ✓ Flexible fieldbus connection
- ✓ Ideal to retrofit towards Industry 4.0
- ✓ Ready-to-use cloud solution

## Simple retrofitting to Industry 4.0 in existing installations

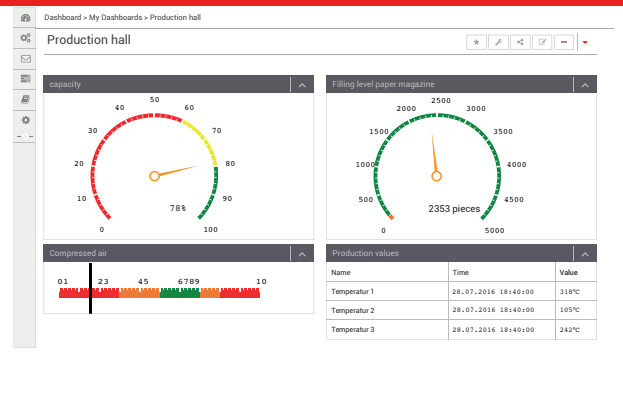
*mbXLINK* is designed for easy integration into your existing network, without the need to make changes in the existing system configuration. Your machine simply requires a bus system which supports a master/master communication, such as MPI, PROFIBUS or Modbus. Therefore *mbXLINK* offers a unique retrofit integration at the highest security level.



Name	Item no.	Description
XLH100	4.100.200.01.00	WAN Ethernet, Fieldbus MPI
XLH110	4.110.200.01.00	WAN Ethernet, Fieldbus PROFIBUS-Slave
XLH120	4.120.200.01.00	WAN Ethernet, Fieldbus ModbusTCP (Master/Slave)
XLH130	4.130.200.01.00	WAN Ethernet, Fieldbus PROFINET-IO

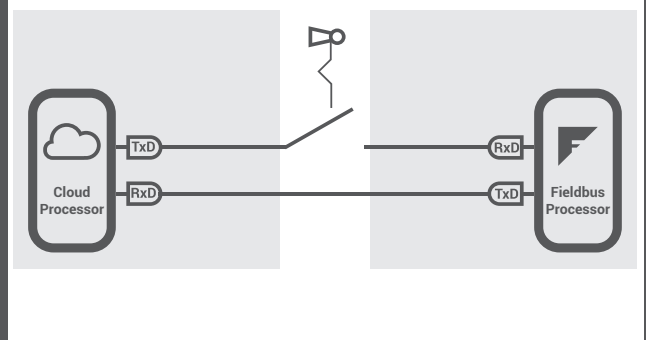
More fieldbus connectors in preparation

## Visualize your data



Once the data is transferred securely to the cloud infrastructure, there are almost no limits to the evaluation possibilities. Whether as a dashboard for a machine or a KPI evaluation chart (Key Performance Indicator) of your production lines.

## Secure via data diode



The data diode integrated in the *mbXLINK* allows communication in one direction only and thus guarantees a true and unrivalled hardware-based IoT-Security, as opposed to naturally less secured software solutions. The data diode allows only the communication from the data source to the cloud.

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