

TURCK's Fieldbus Gateway Products



The BL67 Ethernet Gateway with BL remote

- Modular remote I/O in IP 67 housing
- Gateways in EtherNet/IP™, Modbus TCP/IP
- I/O modules for digital, analog, serial and RFID
- Multiple connection options: M8 *picofast*®, M12 *eurofast*®, M23 *multifast*® and 7/8-16 UN *minifast*®
- Hot-swappable I/O modules
- Decentralized control with programmable gateway via CoDeSys

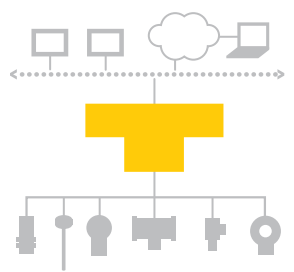
The BL20 Ethernet Gateway with BL remote

- Modular remote I/O in IP 20 housing
- Gateways in EtherNet/IP™ and Modbus TCP/IP
- I/O modules for digital, analog, temperature, relay, serial and RFID
- Multiple connection options: screw terminals or tension clamp
- Hot-swappable I/O modules
- Decentralized control with programmable gateway via CoDeSys



AIM (Advanced I/O Module) Ethernet Gateway with BL remote

- Compact I/O module in IP 67, 68 and 69K housing
- Available in EtherNet/IP™
- Configurable I/O - each channel can be a digital input or a digital output
- I/O connections available in M12 *eurofast*®
- Ethernet modules have built-in switch



Bridge I/O to Ethernet in one robust node.

....Sense It!....Connect It!....Bus It!....Solve It!



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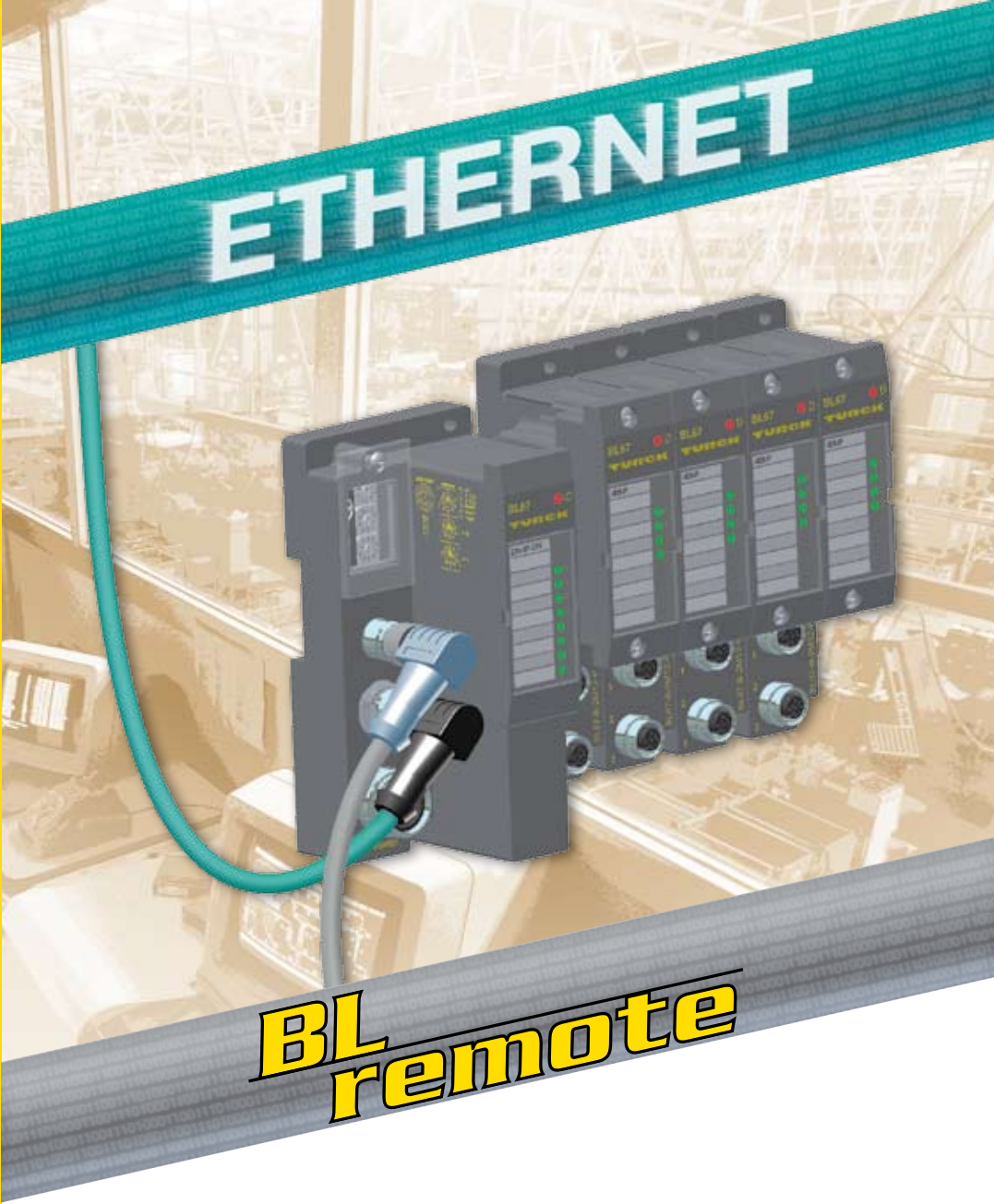
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**GATEWAYS THAT BRIDGE
 I/O TO HIGHER LEVEL
 ETHERNET NETWORKS**

....Sense It!....Connect It!....Bus It!....Solve It!

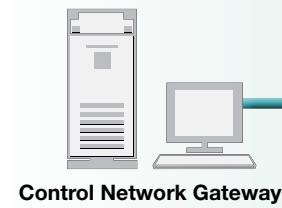


**Industrial
 Automation**

**FIELDBUS I/O
 GATEWAYS WITH
 BL REMOTE**



BRIDGE DEVICE-LEVEL I/O TO ETHERNET



Control Network Gateway

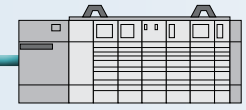


Back-Office Mainframes
and Servers (ERP, MES,
CAPP, PDM, etc.)

Enterprise Level



PC Based Controllers



PLC Controllers

Control Level

ETHERNET

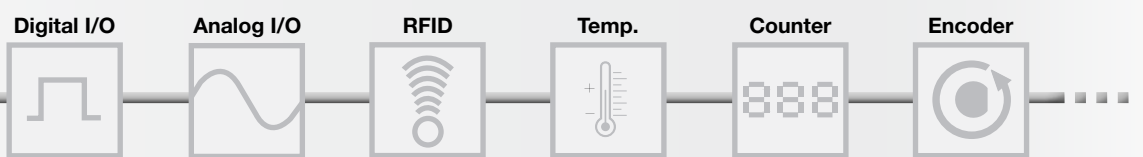
Seamless Integration

Device Level



BL remote

Ethernet



Bring all of your I/O onto Ethernet using TURCK's gateway solutions.

If you have an existing distributed I/O infrastructure and want to bring it up the Ethernet platform, our Ethernet gateways provide an easy, flexible migration path while protecting your current investment. The **BL remote** approach provides a bridge between the Ethernet control system and the device level I/O network. We offer a variety of platforms to choose from that interface individual I/O points and provide a bridge to the Ethernet layer. This flexibility allows you to communicate to the device level directly over Ethernet.

TURCK: Elevating I/O to Ethernet.

Self-configurable gateways: Gateways with the optional **BL remote** feature act as the master for the device level I/O network. What separates this from a standard master is the ability to recognize devices and automatically create its internal scanlist.

Seamless transition to upper level network: The I/O process data is presented on the upper level network as Ethernet.

Cost effective: Since existing CAN network architecture may be utilized, managed Ethernet switches are not required at the device level. This will reduce the initial capital cost needed to migrate to Ethernet.

Expandable: Because the network I/O data is Ethernet, future expansion of the sub-level I/O can be accomplished with minimal network interruptions.

Familiar technology: **BL remote** is capable of supporting many types of signals, including: 0-10 V inputs or outputs, RFID, PNP/NPN inputs or outputs, 4-20 mA inputs or outputs, RS232, SSI, counter, relay, RS485, RTD, and thermocouple.

Connectivity: The device level network takes advantage of quick disconnect technology for ease of installation.

AIM

BL remote

Ethernet

