



**Anybus**<sup>®</sup>

*Industrial networking made easy!*<sup>™</sup>

Anybus gateways - your best choice for integration between any fieldbus and industrial Ethernet network!



**PROVEN AND TRUSTED INDUSTRIAL GATEWAYS USED BY LEADING DEVICE MANUFACTURERS, SYSTEM INTEGRATORS AND END USERS**

**Anybus® communication gateways**

For over 20 years, Anybus® gateways from HMS have successfully integrated and connected devices, machines, networks and PLC systems worldwide.

**Communicator and X-gateway - proven and trusted!**

Over 300 individual off the shelf gateways are available to help solving almost any kind of industrial communication connectivity problem. All very easy to configure, requiring no programming skills.

Reliability, performance and ease of use have made Anybus Communicator and Anybus X-gateway the leading gateway choices within device and system integration.

Anybus gateways help streamline network infrastructures through easy system and device integration, thus helping to reduce the overall cost of ownership within the entire plant.

**Rugged and versatile - integration gateways for your industrial market**

Anybus gateways with their industrial design are the perfect choice for all industrial networking needs, regardless of industrial market. Automotive, factory automation, building automation, food and beverage, mining, oil and gas, water treatment and marine are just some of the industrial segments where Anybus gateways are used today.



**Limitless connectivity**

Regardless if you are networking your devices via a serial port, bridging between fieldbus networks or migrating to modern industrial Ethernet networks, Anybus gateways include all the network combinations to solve your connectivity requirement.



**Introducing the next generation  
Anybus Communicator and X-gateway!**

NEW



## COMMON CONNECTIVITY NEEDS IN ALL INDUSTRIES

### Production line extension

Extension of an existing production segment with new machines and new network types.

### Factory upgrade

Replacement of an old PLC system with up-to-date control equipment, keeping existing I/O modules and wiring infrastructure.

### PLC system extension

Connecting devices from several brands that use different network types. Select the best devices available for your application needs.

### PLC to PLC communication

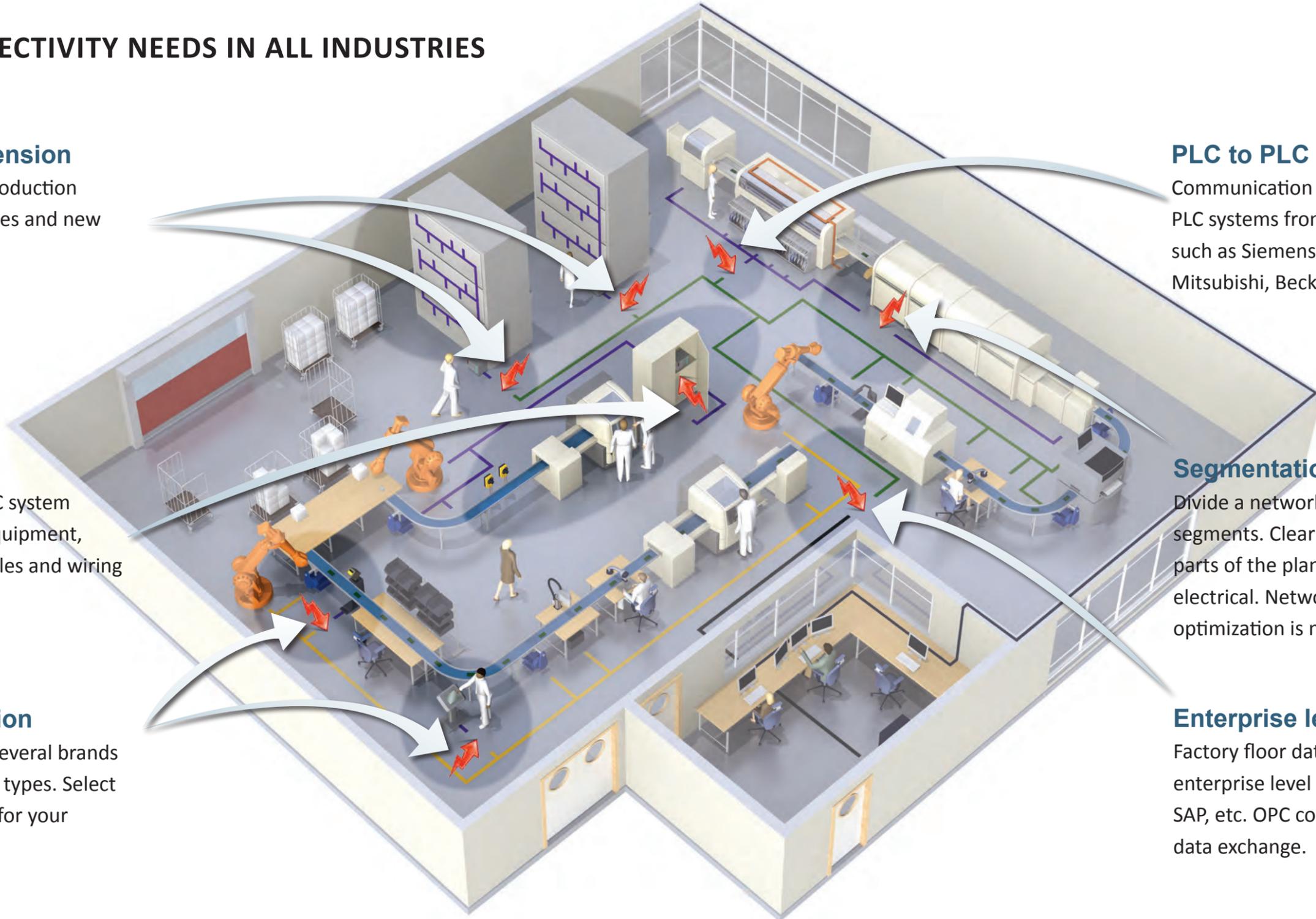
Communication needed between two PLC systems from different brands such as Siemens, Rockwell, Schneider, Mitsubishi, Beckhoff, ABB etc.

### Segmentation of networks

Divide a network topology into logical segments. Clear cut between different parts of the plant, both logical and electrical. Network performance optimization is needed.

### Enterprise level integration

Factory floor data integration with enterprise level systems such as SCADA, SAP, etc. OPC connection for dynamic data exchange.



## ONE GATEWAY FAMILY FOR ALL YOUR INDUSTRIAL NETWORKING NEEDS IN ALL INDUSTRIES





## OVER 250 INDIVIDUAL GATEWAYS CONNECTING ANY TWO INDUSTRIAL NETWORKS OR PLC SYSTEMS

*“With a fast transfer of data between two networks, X-gateways help system integrators by ensuring a consistent flow of information throughout the entire plant.”*

### Connecting the PLC worlds

Anybus X-gateways are proven and trusted for full compatibility with all the major PLC manufacturers and their supported networks, such as Siemens, Rockwell, Schneider, Mitsubishi, Omron, GE, Hitachi, Bosch, Moeller, B&R, Beckhoff and many more.

### Network migration

As Anybus supports all major fieldbus and industrial Ethernet standards, the X-gateways are the perfect solution when migrating existing fieldbus installations into modern industrial Ethernet networks.

### Network segmentation/extension

Coupling/de-coupling different parts of a machine or extending the physical distance capability when coupling two similar networks are just some system integration needs that X-gateways are solving today.

### Streamline your network infrastructure, reduce cost of ownership

Anybus X-gateways help saving infrastructure costs by reducing cabling and eliminating the need for I/O devices. Master/Scanner versions eliminate the need for a second PLC and its configuration software.



**NEW**

## Anybus X-gateway

With the launch of the next generation Anybus X-gateways, HMS is making it even easier to get your plant communication up and running fast. As with all Anybus gateways, no programming is required! Now, even more performance, network combinations, extra features and functionality have been added to the concept, making system integration even easier.

**NEW**

- ✓ CANopen Master/Slave
- ✓ Modbus-TCP Client/Server
- ✓ New enhanced design
- ✓ Optimized cabling
- ✓ Wall-mount option
- ✓ SD-card for easy gateway replacement
- ✓ Enhanced diagnostics
- ✓ Integrated 2-port switch on Ethernet versions
- ✓ Easy configuration via USB or Ethernet
- ✓ No programming required!

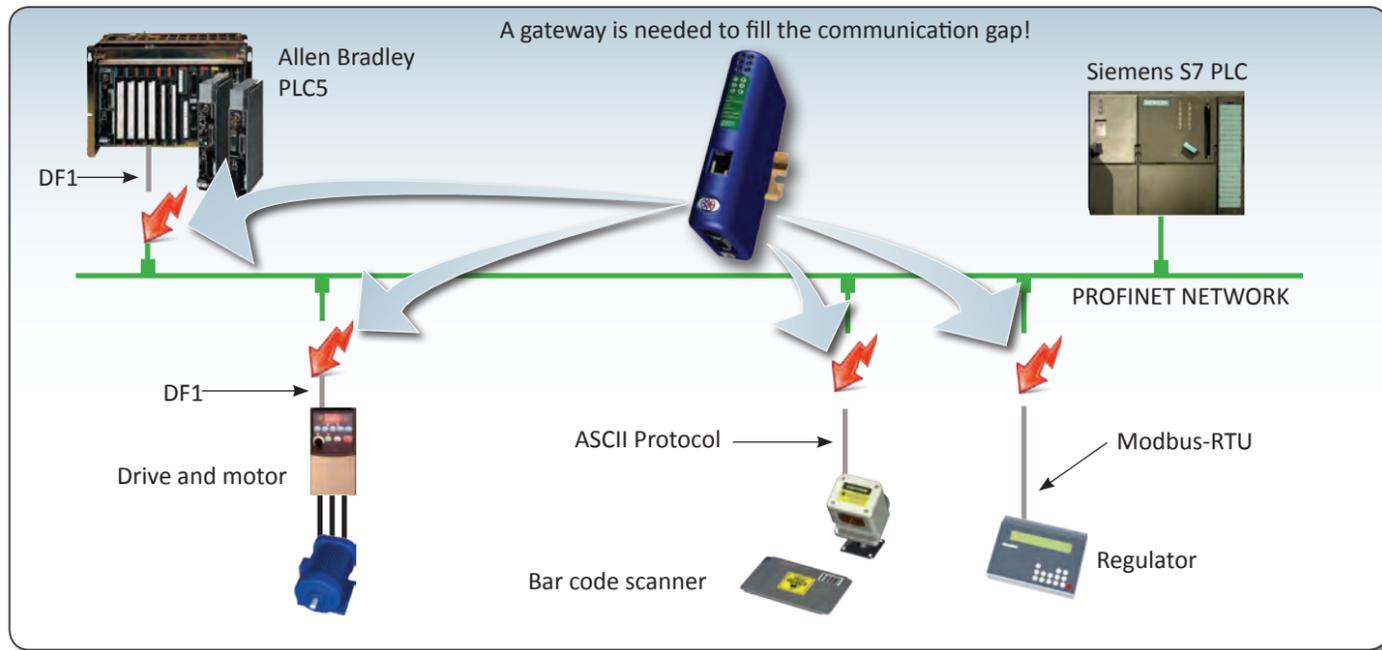


## NETWORK ENABLE YOUR DEVICES TO FIELDBUS AND INDUSTRIAL ETHERNET

### Use case: Network enable devices with common device protocols

Common device protocols such as Modbus-RTU, DF1 or ASCII are often used when connecting a single device to a PLC system and its fieldbus or industrial Ethernet network.

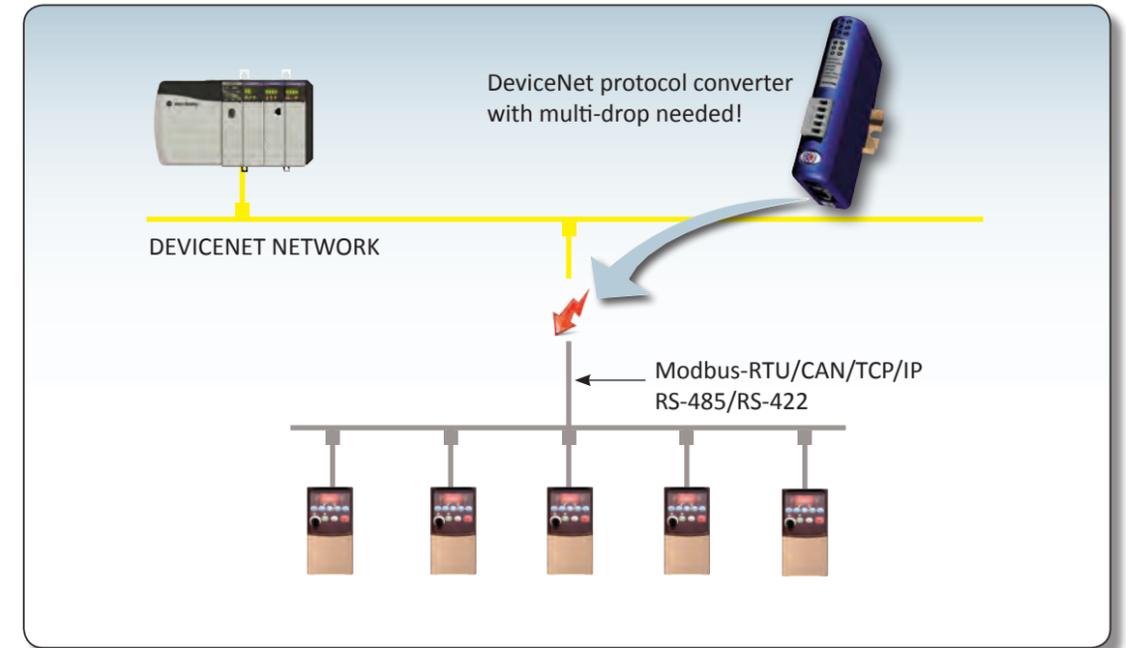
USE CASE EXAMPLE



### Use case: Multi-drop mode

Split the cost for network connectivity on multiple nodes.

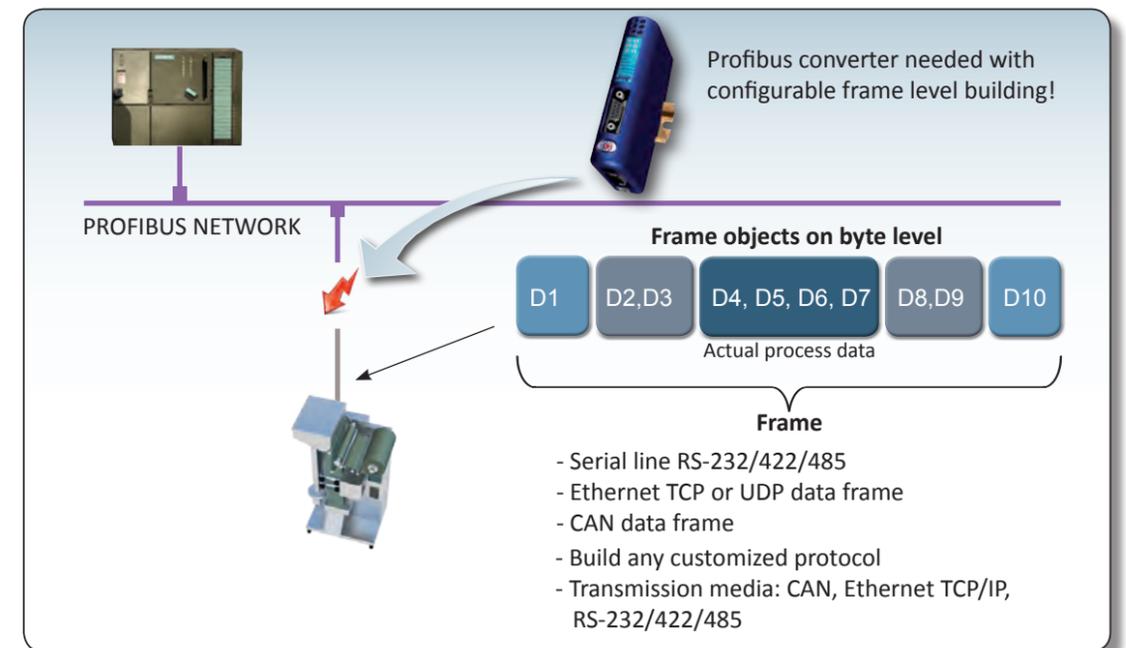
USE CASE EXAMPLE



### Use case: Proprietary custom protocols

Devices with proprietary custom protocols such as CAN, Ethernet TCP/IP and serial line RS-232/422/485 based on byte and frame level configuration.

USE CASE EXAMPLE



## ONE GATEWAY FAMILY FOR CONNECTING ALL DEVICE TYPES TO FIELDBUS AND INDUSTRIAL ETHERNET NETWORKS





## ANYBUS COMMUNICATOR - YOUR BEST CHOICE WHEN NETWORKING INDUSTRIAL DEVICES

*"Its easy to use visual configuration tool for protocol configuration, that requires no scripting or programming skills, sets it apart from all other gateways."*

### Network enable industrial devices

Anybus Communicator is a family of individual protocol converter gateways that connect non-networked devices to all major industrial networks.

### Convert any protocol

The Communicator is capable of converting almost any standard or proprietary sub-network protocol, without the need for any programming or hardware and software changes to your device.

### Full PLC compatibility

The Communicator is proven and trusted with full compatibility with PLC's from all major vendors and their supported networks.

### Multi-drop reduces the cost of ownership

The Communicator has a selectable RS-232/422/485, Modbus-RTU, DF1, ASCII, CAN or Ethernet TCP/IP interface. The possibility to connect multiple devices with just one Communicator significantly reduces the network costs for your devices. In addition, the stand-alone gateway reduces cabling, takes up no PLC rack space by eliminating the need for additional PLC option cards and it requires no PLC programming with function blocks.



**NEW**

## Anybus Communicator

With the launch of the next generation of Anybus Communicator, HMS has made it even easier to get your devices network enabled quickly and smoothly.

As with all Anybus gateways, no programming is required! Now, even more network combinations, extra features and functionality have been added to the concept, making system integration easier.

**NEW**

- ✓ CAN protocol
- ✓ Ethernet TCP/IP protocol

- ✓ New enhanced design
- ✓ Optimized cabling
- ✓ Wall-mount option
- ✓ SD-card for easy gateway replacement
- ✓ Enhanced diagnostics
- ✓ Integrated 2-port switch on Ethernet versions
- ✓ Easy configuration via USB or Ethernet
- ✓ No programming required!

## HMS Industrial Networks

Through Anybus® technology, HMS Industrial Networks provides reliable solutions to connect devices to any major network and products enabling interconnection between different industrial networks. Anybus is a globally recognized brand, offering customers a competitive advantage in all types of applications. HMS' knowledgeable staff along with distributors and partners in over 50 countries worldwide, are there to help you and your business increase productivity and performance while lowering cost and time to market.



[www.anybus.com](http://www.anybus.com)

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