



Your Quick Guides to:

**Solutions for Industrial  
Communications and IIoT**

SCAN ME  
to watch the video



**The World's No.1 choice for Connectivity**

HMS Networks is the leading independent supplier of solutions for industrial communication and the Industrial Internet of Things, IIoT.



**Anybus**<sup>®</sup>  
BY HMS NETWORKS

Any Device, Any Network



**Ewon**<sup>®</sup>  
BY HMS NETWORKS

Industrial Remote Solutions

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## Your Quick Guide to: Embedded Industrial Networking

# Anybus 40 Series

## Embedded Solutions

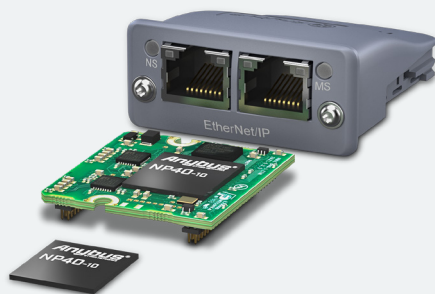
### Features:

- Provides an effective solution for integrating an industrial network capability into your devices
- Available in three formats; Chip – Brick – Module
- Offers a wide range of different protocols
- Fully supported project working with our team of experts
- Software development is the same for all formats
- Keep up with the latest standards at no cost

### Benefits:

- You can keep a minimal stock of your device but still offer a wide range of industrial networks
- HMS Networks keeps the protocols in line with the latest standards with no cost on your part
- The common software development for Anybus saves repeated development and therefore money
- The module version offers a fast time to market and a quicker return on investment

### Anybus CompactCom



### Key Considerations:

- Are you still developing protocol support 'in-house'?
- Do you want to drastically reduce the development costs and time to market?
- Do you have internal networking expertise?
- Do you want to be able to offer the latest in networking technology?

**Contact your local representative  
for further information**



### View our Case Study:

Discover how Flexicon have benefited from implementing Anybus CompactCom for multi- network connectivity  
[anybus.com/about-us/case-studies](http://anybus.com/about-us/case-studies)



## Your Quick Guide to: Gateway Connectivity Solutions

# Anybus Device Gateways

### Features:

- Support for all major industrial fieldbus and Ethernet protocols
- Easy connectivity to PLCs for slave devices such as VFDs, process instruments, sensors, weigh scales, barcode scanners, ASCII displays etc
- Convert custom serial protocols to industrial standards

### Benefits:

- Increase sales opportunities across different network installations
- Allows you to use the best device for the job
- Reduces objections to your product offering due to network incompatibility
- Upgrade to new technology at your own pace

### Most popular part numbers:

AB7072: Serial devices to EtherNet/IP  
 AB7013: Serial devices to PROFINet  
 AB7000: Serial devices to Profibus  
 AB7318: CAN devices to EtherNet/IP  
 AB7800: Profibus devices to EtherNet/IP  
 AB9006: Modbus TCP devices to EtherNet/IP  
 AB7306: CANopen devices to EtherNet/IP  
 AB7670: EtherNet/IP devices to PROFINet



**Anybus**  
Communicator  
Serial & CAN  
Gateway



**Anybus X-gateway**  
Network Master



**Anybus**  
X-Gateway  
CANopen  
Master



**Anybus X-gateway**  
Modbus TCP Master

### Key Considerations:

- How do you manage communications between different manufacturers' devices?
- Has protocol incompatibility restricted your choice of device supplier?
- Have you had to upgrade existing parts purely due to new controllers using a different protocol?



**Check out our Anybus Gateway Selector!**

Select the two network interfaces you require  
**INSIDE your Gateway**

[anybus.com/products/gateway-index](http://anybus.com/products/gateway-index)



## Your Quick Guide to: Gateway Connectivity Solutions

# Anybus Linking Devices

### Features:

- Easy integration of Serial, Modbus TCP and Profibus Devices into Rockwell systems
- Custom Add-On Profile for Studio 5000 Logix Designer and RSLogix 5000 V20
- No generic Ethernet device configuration or EDS file import required
- Supports beacon based Device Level Ring (DLR)

### Benefits:

- Easy integration saves time and money
- Simplified integration of 3rd party devices into CompactLogix™ and ControlLogix™ controllers with AOP-driven interface
- Reduced data documentation for 3rd party devices via automatic tag creation
- Upgrade existing systems to use Rockwell PLCs

### Most popular part numbers:

HMS-EN2SE-R: Serial Linking Device  
HMS-EN2MB-R: Modbus TCP Linking Device  
HMS-EN2PB-R: Profibus Linking Device

## EtherNet/IP™



**Anybus Ethernet/IP Linking Device for serial protocols**

**Anybus Ethernet/IP Linking Device for Modbus TCP servers (devices)**



**Anybus Ethernet/IP Linking Device for Profibus devices**

### Key Considerations:

- How difficult is it for you to integrate 3rd party devices into your Rockwell controllers?
- How do you manage the lack of data transparency when converting between Rockwell and devices using other protocols?



**TechTalks from HMS Networks:**  
Stay up to date on the latest trends in the world of automation and IoT. Learn from HMS industry experts.

[hms-networks.com/tech-talks](https://hms-networks.com/tech-talks)



Your Quick Guide to: **Gateway Connectivity Solutions**

# Anybus Machine Gateways

## Features:

- Support for all major industrial fieldbus and Ethernet protocols
- Connectivity for OPC UA and MQTT bridging the IT/OT divide
- Support for all major automation vendors
- Certified by the protocol conformance bodies

## Benefits:

- Save money by connecting machinery to any network without needing to alter the control system
- Make machinery IIoT ready with minimal effort

### Most popular part numbers:

AB7649: EtherNet/IP to PROFINet  
AB7832: EtherNet/IP to Profibus  
AB7839: EtherNet/IP to Modbus RTU  
AB7632: EtherNet/IP to Modbus TCP  
AB7650: PROFINet to Modbus TCP  
AB7570: PROFINet to IIoT  
AB7634: Modbus TCP to Profibus



**Anybus X-Gateways**

## Key Considerations:

- How do you share data between different manufacturers' PLCs and control systems?
- How do you enable network connectivity between existing equipment and new systems?
- How will you make links between machine networks and data applications in the IT world?



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Select the two network interfaces you require  
**INSIDE your Gateway**

[anybus.com/products/gateway-index](https://anybus.com/products/gateway-index)



## Your Quick Guide to: **Factory floor to IT Connectivity**

# Anybus .NET Bridges

### Features:

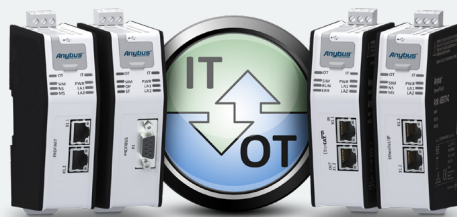
- Transfer production KPI parameters from the factory to the office
- Send data from custom PC applications to a PLC
- Send production recipe changes from a windows application to the factory floor PLC

### Benefits:

- Real-time data from PLCs without interfering with critical applications
- IT departments can work in the familiar .NET environment but get data from industrial fieldbus networks
- Industrial communications layer and protocols handled by Anybus gateway
- OT side uses prebuilt definition files (GSD, GSDML, EDS, ESI) saving time and money during commissioning

### Most popular part numbers:

AB9078: Anybus EtherNet/IP to .NET Bridge  
AB9079: Anybus EtherCAT to .NET Bridge  
AB9077: Anybus PROFINet to .NET Bridge  
AB9071: Anybus Profibus to .NET Bridge



**Anybus .NET Gateways**

### Key Considerations:

- Do you need to get production data from the OT environment into the IT environment?
- Are you worried that data processing will slow down your PLC process?
- Do your IT team need to work with unfamiliar industrial protocols to acquire process data?



### HMS - Industrial IoT Blog

Stay up to date with the latest technical developments and trends within industrial communication and IoT

Learn more here: [hms-networks.com/about/blog](https://hms-networks.com/about/blog)





## Your Quick Guide to: Wireless Connectivity Solutions

# Anybus Wireless Bolt

## Wireless Machine

### Features:

- IP67 and UL Type 4X housing for tough environments
- Easy client installation through M50 cutout
- Integrate mobile machinery in plant with scalable Access Point and Client solutions
- Visualise machine data on any computing platform
- Web GUI for simple configuration
- PoE or terminal block for easy wiring & power
- White option to reduce solar heating effect

### Benefits:

- Reduced installation time through quick fit design
- Reduce the infrastructure costs of laying cables when reconfiguring plants
- Save time and money through the quick installation method
- Safely service machinery outside guarding limits and control panels

### Most popular part number:

AWB2030: Wireless Bolt w/ PoE

AWB2000: Wireless Bolt w/ 18-pin header

AWB2031: Wireless Bolt w/ PoE, white top

Anybus Bolt



### Key Considerations:

- How will you network mobile machinery such as Automated Guided Vehicles (AGV) in your factory?
- How do you plan to implement platform-independent visualisation of machine data?
- How will you allow machine programmers to make software changes in a safe manner?



**View our Case Study:**  
INFUSER: Disinfection robot has robust wireless access via Anybus Wireless Bolt

[anybus.com/about-us/case-studies](https://anybus.com/about-us/case-studies)



Your Quick Guide to **Wireless Connectivity Solutions**

# Anybus Wireless Bridge

## Wireless Cable

### Features:

- Replace Ethernet cabling in hard to reach or hazardous locations
- IP65 for tough environments
- Antenna and radio in housing for flexible installation outside panel enclosure
- Reduce time to integrate modular machinery

### Benefits:

- IP65 enables the bridge to be used in a wide range of environments
- All components bundled for easy ordering and application
- Reduce machine downtime due to cable failures
- Integral antennae reduces installation time and cost
- Fast set up for lower installation costs

**Most popular part numbers:**  
WB3003-B: Wireless Cable Kit

### Anybus Bridge



 **Bluetooth™**

**Two Wireless Bridges +  
Cables  
= Wireless Cable Kit**

### Key Considerations:

- How much downtime do you attribute to physical media failure?
- What is your cost for replacing cables in harsh environments?
- How do you overcome slip ring failure on rotating machinery?



## Whitepaper:

For Best Practices for choosing the  
Wireless Technology for your application

[anybus.com/wireless-whitepaper](http://anybus.com/wireless-whitepaper)



Your Quick Guide to: **Industrial Wireless Infrastructure**

# Anybus Switches

## L2 Unmanaged & L3 Managed Switches

### Features:

- 8 gigabit ethernet & 4 SFP ports (L3)
- Advanced routing capabilities (L3)
- Dual power supply for redundancy (L2 & L3)
- Ultra-low Power saving mode (L2 & L3)
- SNMP & Port mirroring for monitoring (L3)
- Port Access Control (L3)

### Benefits:

- High data speeds
- Built in redundancy avoids data loss (L3)
- Reduced down time due to dual PSU (L2 & L3)
- Robust design (L2 & L3)
- Energy Efficient design – saving money (L2 & L3)
- High level of data security – protecting your data (L3)
- 3 year warranty

### Most popular part numbers:

AWB5001: L2 Unmanaged Switch  
AWB5011: L3 Managed Switch

**Anybus**  
L2 Unmanaged Switch



**Anybus** L3 Managed Switch

### Key Considerations:

- Do you need high data speeds?
- Are you looking for high availability?
- Is a long warranty important to you?
- Do you need a physically robust product?



**Keep your HMS Products Healthy & Secure:**

Register to keep your products protected & up to date

[hms-networks.com/firmware](https://hms-networks.com/firmware)



## Your Quick Guide to: Industrial Wireless Infrastructure

# Anybus Wireless Routers

## LTE & WLAN

### Features:

- Global LTE coverage with one product
- WAN to LTE redundancy
- Security features such as VPN & firewall
- Alarms for wired connections
- 2.4 & 5 GHz (WLAN version)

### Benefits:

- Connect your machine in areas difficult to cable using WLAN
- Connect your machine over LTE from remote locations
- Provides high data security giving confidence in the solution
- High specification products at competitive pricing
- 3 year warranty

### Most popular part number:

AWB5221: Anybus Wireless Router

### Anybus Wireless Router



### Key Considerations:

- Do you need permanent connections to remote sites?
- Are you required to provide high security connections?
- Do you need a mix of LTE & WLAN?
- Do you need a physically robust product?



**Keep your HMS Products Healthy & Secure:**

Register to keep your products protected & up to date

[hms-networks.com/firmware](https://hms-networks.com/firmware)



## Your Quick Guide to: Remote Access to PLCs & other devices

# Cosy 131

## Remote Access Gateway

### Features:

- Secure VPN connectivity
- Key switch controlled “on-site”
- Two factor authentication & connection audit trails
- Easy commissioning without local connection
- Firewall friendly outbound connection
- High availability via Talk2M secure cloud service

### Benefits:

- Remote commissioning and support of networked devices and systems
- Secure VPN & two-factor authentication provides high level of confidence with security
- Key switch gives total control over when remote access is allowed
- “Outbound connectivity” concept is secure and reduces commissioning problems saving time and money



**Ewon was voted #1 for Remote Access by Engineers**

### Key Considerations:

- Are you still sending engineers to site and at what cost?
- Do you want to drastically reduce support costs and maximise machine up-time?
- How can you quickly connect to and troubleshoot your remote machines?
- Do you want to reduce commissioning time and costs?

### Most popular part numbers:

EC61330: Cosy 131 Ethernet  
EC6133C: Cosy 131 WiFi  
EC6133G: Cosy 131 4G (EU)  
EC6133D: Cosy 131 3G+

## Secure Remote Access for Industrial Machines



Download your free 2nd edition EBook now:  
[dummies.ewon.biz](http://dummies.ewon.biz)



## Your Quick Guide to: Remote Data Solutions

# Flexy 205

## Remote Data Industrial Gateway

### Features:

- Data acquisition from all major PLC suppliers
- Data logging and retrieval (HTTPS, MQTT or FTP)
- Email and SMS alarm notifications
- Local dashboards
- Custom scripting for advanced functions
- Secure OPC UA Client and Server

### Benefits:

- Remote commissioning and support of net worked devices and systems
- Data can be quickly collected from a wide range of systems simultaneously
- Data reports can be automatically compiled and sent saving time and money through greater efficiency
- Local dashboards can be used to create a remote accessible HMI
- Connect to different cloud solutions or create your own



Ewon Flexy

### Key Considerations:

- Do you want to collect valuable machine data for remote monitoring, alarming and predictive maintenance?
- Are you looking to implement an IIoT strategy at minimal investment?
- Do you want to offer new support services?
- Do you need to move machine data to an enterprise system from different PLCs or legacy devices?
- Could you use field data to optimize your machines' operational efficiency?

### Most popular part numbers:

- Flexy20500: Flexy 205 4-LAN (WAN)  
FLB3271: Flexy Card Wifi WAN  
FLB3204: Flexy Card 4G EU  
FLB3601: Flexy Card USB  
FLA3301: Flexy Card Serial



Your Quick Guide to: **Secure Cloud for Industrial Remote Solutions**

# Talk2M

## Secure Industrial Cloud

### Features:

- Single cloud solution for both Flexy and Cosy
- Unlimited users and systems with free version included with all gateways
- Pro version subscription adds enhanced access control and security layers
- Access from anywhere with eCatcher, M2Web and eCatcher mobile tools
- High-availability service with scalable infrastructure
- Fully redundant server architecture
- Monitored 24/7/365
- Regular security audits

### Benefits:

- System grows with you but without need for infrastructure investment
- Reliability of Talk2M enhances your offer to your end customers for reliable service
- Layered security approach creates “Defense-In-Depth” reassurance
- Connection audit trail for all users
- Free version gives great flexibility at no cost



### Key Considerations:

- Do you need multiple users with concurrent access (Pro version required)?
- Do you have internal IT and security expertise? You don't need it!
- Do you need a quick overview of KPIs?
- Do you need a reliable alarming and reporting system?
- Do you have mobile engineers who need access when travelling?



### Most popular part numbers:

TM50041: Talk2M Pro

TM50042: Talk2M Top Up



**View our Case Study:**  
Remote maintenance of gas turbine thanks to  
Ewon router and Talk2M

[ewon.biz/applications](http://ewon.biz/applications)



## Your Quick Guide to Remote Management

# Netbiter Cloud Gateway

### Features:

- Includes Modbus and Ethernet/IP master functions as well as support for J1939 and SNMP protocols
- WAN or cellular connection choices
- 2G, 3G and 4G on-board support (5G with external modem)
- On-board I/O inc. 1 x relay output, 2 x digital inputs and 4 x analogue inputs
- 9 – 32 V DC support
- Cranking circuit to prevent unit going offline during generator start up or brief power loss
- Remote programming and configuration for industrial PLCs and machines
- Remote debugging, file transfer / software updates

### Benefits:

- All configuration and gateway management can be performed remotely
- Data collected from devices in remote locations, even internationally, and pushed to provided cloud storage
- Email and SMS alarm notifications configured easily
- Live connection to field devices can offer real-time data or controls
- No need for a control system to gather data – the Netbiter gateway acts as a master data concentrator

### Ewon Netbiter Gateway



### Key Considerations:

- Do you need to collect valuable machine data for remote monitoring?
- Do you need to easily control field devices?
- Do you want notifications of state changes or even loss of connection?
- Could you offer extended services to your customers with a simple to set-up IIoT solution?
- Do you have the expertise to create a cloud solution in house? You don't need it!

### Most popular part numbers:

- NB1005: Netbiter EC350 – Ethernet + 3G
- NB1007: EC310 – Ethernet connectivity
- NB1022: EC360 – Ethernet + 4G (EU)
- NB1023: EC360 – Ethernet + 4G (NA)





## Your Quick Guide to: Remote Management Solutions

# Argos Cloud Service

### Features:

- Complete IIoT solution in the cloud included in price of gateway (View & Control account)
- Secure cloud storage of data logged from Netbiter gateways in remote locations
- Manage thousands of Netbiters from a single account (Manage & Analyse subscription account)
- Display live data on graphical dashboards or create reports and trend graphs of historical data
- Design your own layout with easy to use built-in tools and editors
- Export your data into report tools like Microsoft Excel

### Benefits:

- Alarm notifications via email or SMS are easy to configure and manage across a number of users
- Logged data can be included in automatically generated reports
- Easy to create cloud-based, HMI-like dashboards with access from any browser
- Data security ensured through encrypted connections and two factor authentication

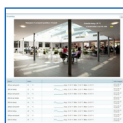
### Most popular part numbers (annual fees):

- NB4000: Netbiter Argos Manage & Analyse
- NB4500: Manage & Analyse with extended log buffer 250K
- NB4502: Manage & Analyse with extended log buffer 1000K
- NB4001: Extended log buffer 250K for View & Control
- NB4002: Extended log buffer 1000K for View & Control



### Key Considerations:

- Do you need easy access to data from multiple sites concurrently?
- Do you need a cloud solution without the complexity or cost?
- Would historical data enable better scheduled visits or improve machine operation?
- Is a simple alarming and monitoring system going to offer a new maintenance revenue stream?
- Can you quickly and securely connect to remote machines for troubleshooting or to support local operations?



**View our Case Study:**  
Realizing the Internet of Things  
[netbiter.com/customers/case-studies](http://netbiter.com/customers/case-studies)





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