Connectivity solutions for
Rockwell Automation Integrated Architecture

LINKING DEVICES | GATEWAYS | WIRELESS | PC INTERFACES | REMOTE SOLUTIONS

HMS Connecting Devices™
THE CONNECTED MACHINE - ENABLING IOT CAPABILITIES FOR MACHINE BUILDERS
Network connectivity, safety, remote access, machine control, wireless access, predictive maintenance, security .......... 4-5

ETHERNET/IP LINKING DEVICES FOR LOGIX® PLC PLATFORMS
Integrate Modbus TCP, PROFINET & Serial RS232/485/DF1 devices to Control/CompactLogix PLCs ............................................. 6-9

NETWORK CONNECTIVITY FOR THE FACTORY FLOOR - GATEWAYS FOR SYSTEM INTEGRATION - ANYBUS®
Integrate/Interconnect networks, machines and devices using PROFINET/PROFIBUS/MODBUS/BACnet/CAN/Serial.............. 10-19

GO WIRELESS - WIRELESS SOLUTIONS FOR NETWORK BRIDGING AND MACHINE ACCESS - ANYBUS®
WLAN/Bluetooth® connectivity for devices and machines on serial/CAN or EtherNet/IP networks ......................................... 20-23

ALL YOU NEED FOR CAN - CAN INFRASTRUCTURE EQUIPMENT FOR SYSTEM INTEGRATION - IXXAT®
Solutions for machine control, connecting and extending CAN networks ................................................................................... 24-29

REMOTE SOLUTIONS - REMOTE MONITORING AND CONTROL, VPN MACHINE ACCESS - eWON®
Remote Access for Logix PLCs, monitor and control Rockwell equipment remotely via the cloud................................................. 30-34

QUICK FIND

YOUR GLOBAL PARTNER FOR INDUSTRIAL COMMUNICATION AND REMOTE SOLUTIONS

For more than 25 years, HMS has been providing connectivity solutions to Rockwell Automation and their partners and customers through our brands Anybus®, IXXAT® and eWON®. Our relationship with Rockwell is one of the major driving forces for our own product development. Together, HMS and Rockwell keep evolving to meet the communication challenges of today and in the future.

Automotive, factory and building automation, food and beverage, mining, oil and gas, infrastructure and transportation, life sciences and water treatment, are just some industrial segments where HMS’ solutions for industrial communication are connecting Rockwell Automation equipment worldwide, everyday.

A GLOBAL PRESENCE WITH A LOCAL TOUCH
Whether we are directly meeting with the different Rockwell divisions or distributors worldwide, on-the-road at Rockwell RAOTM’s or participating at Automation Fair, you can be sure you will find a friendly HMS employee or partner, ready to discuss and help you find the right connectivity solution.

QUICK FIND

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ENCOMPASS™ PARTNER PROGRAM

HMS is an active global member of the Encompass™ partner program.

Through Encompass Product Partners, customers can quickly locate complementary products that best solve any application challenges. HMS connectivity solutions are proven and trusted within Rockwell Automation installations worldwide.

Kevin Knake
Executive Vice President, HMS Industrial Networks Inc
The Connected machine
Hand-in-hand with The Connected Enterprise

The Connected Machine concept from HMS displays what HMS can do for machine builders in terms of industrial machine connectivity.

Real-time communication, remote access, data monitoring, wireless architectures, safety and security — all are vital parts.

With trends such as the Internet of Things (IoT) and Industry 4.0, more and more industrial machines are required to become networked.

 Highly connected machinery with data-enabled operations speed up time-to-market, lower costs, improve asset utilization and reduce risk.

HMS products, solutions and know-how enable industrial machinery to get connected to systems and networks and are therefore a must-have for any industrial company wishing to operate globally.

This is nothing new to HMS, our products connect millions of devices around the world and enable our customers to expand their market and improve their business.

HMS’ long expertise, large installed base, and wide market coverage, make us the undisputed market leader of our field.

**THE CHALLENGE**

To fully automate a paper slitter machine to increase machine operator safety and at the same time get both remote and wireless access to machine control and diagnostics.

**THE SOLUTION**

A combination of a Fanuc robot arm, eWON Cosy remote access VPN router, a HMS EtherNet/IP Linking Device and an Anybus Wireless Bolt, in collaboration with know-how from Georgia-based machine builder JSI and system integrator Millennium Controls.

**THE RESULT**

- Operators avoid contact with sharp slitter blades
- Reduced downtime thanks to automated blade changes
- Reduced service costs since service can be done remotely
- Maximized blade life through wear traceability
EtherNet/IP Linking Devices for PROFIBUS, Modbus TCP and Serial Devices

In-chassis alternatives for Logix™ controllers with seamless Studio 5000® integration

Integrate devices running PROFIBUS, Modbus TCP or serial/DF1 RS-232/485 protocols into ControlLogix® or CompactLogix® PLCs from Rockwell Automation.

Why use a Linking Device instead of an in-chassis or PLC communication module?

REDUCE PROJECT COSTS
Cost-effective hardware drastically reduces costs for integrating equipment to Rockwell Logix platforms.

MAXIMIZE PERFORMANCE
"Big Data" up to 8KB I/O data. Does not affect PLC backplane performance.

EASIER CONFIGURATION
Seamless Studio 5000 Logix Designer integration with Custom Add-on-Profiles simplifies configuration and reduces commissioning time.

IMPROVED SYSTEM ARCHITECTURE
Mounts close to the devices, saves rack space and eliminates long proprietary cable runs. Uses the existing Ethernet network and limits points of failure.

ALKNET/IP to PROFIBUS Linking Device

The EtherNet/IP to PROFIBUS Linking Device allows you to connect any PROFIBUS device or system to your ControlLogix® and CompactLogix® PLC from Rockwell Automation.

The stand-alone Linking Device eliminates the need for a PROFIBUS PLC and configuration software, as everything is configured inside Studio 5000 Logix designer.

The fast and easy way to implement PROFIBUS devices to Logix PLCs

Automatically generated, named and structured controller tags within Studio 5000 for each connected PROFIBUS device significantly reduces commissioning time.

The Linking Device acts as a slave (adapter) on EtherNet/IP and as a master on the PROFIBUS side, handling up to 7000 bytes of I/O data. There is no reduction to the Logix PLC backplane performance (PLC execution time), even when large amounts of data is transferred.

ADDITIONAL PROFIBUS MASTER FEATURES
• Complete PROFIBUS DP/DPV1 Master functionality according to IEC 61158.
• Supports DPV1 Class 1 and 2 for acyclic data exchange
• Controls up to 125 PROFIBUS slaves
• Supports all baudrates up to 12Mbit/s
• PROFIBUS network configuration accessed through Studio 5000.

ADDITIONAL ETHERNET/IP ADAPTER FEATURES
• Dual EtherNet/IP ports with 10/100 Mbit, full or half-duplex operation.
• Support for Explicit Messaging including DPV1 specific functions on PROFIBUS

EtherNet/IP Device Level Ring (DLR) Topology

Any PROFIBUS based device/equipment can be seamlessly integrated into a CLX control system

HIGHLIGHTS
• No PROFIBUS software needed
• Reduce PROFIBUS cabling
• Seamless Studio 5000 integration
• Up to 10 EIP I/O connections
• No PLC performance reduction
• ODVA EIP conformance tested
• Encompass Partner Product

ORDERING INFORMATION
Part No: HMS-EN2PB-R
Installation guide, Power supply not Included)

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Size</th>
<th>110 x 35 x 101 mm</th>
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<tbody>
<tr>
<td>Op. Temp</td>
<td>-25 to +60°C</td>
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<tr>
<td>Stor. Temp</td>
<td>-40 to +85 °C</td>
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<tr>
<td>Power</td>
<td>24 VDC +/-10%</td>
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<td>Isolation</td>
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<td>Rating</td>
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<td>Mounting</td>
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<tr>
<td>Connections</td>
<td>2 x RJ45 + 1 x 9-pin DSUB</td>
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<tr>
<td>Baudrates</td>
<td>10/100 - 12Mbits</td>
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<tr>
<td>ConfigPorts</td>
<td>1x USB, 1 MicroSD</td>
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<td>Certification</td>
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<tr>
<td>Guarantee</td>
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</tr>
</tbody>
</table>

Part No: HMS-EN2PB-R
EtherNet/IP to Modbus TCP Linking Device

The EtherNet/IP to Modbus TCP Linking Device allows you to connect any Modbus TCP device or system to your ControlLogix™ and CompactLogix™ PLC from Rockwell Automation.

The stand-alone Linking Device eliminates the need for a Modbus TCP PLC and configuration software, as everything is configured inside Studio 5000 Logix designer.

Simplifying implementation of Modbus TCP devices to Logix PLCs

Automatically generated named and structured controller tags within Studio 5000 for each connected Modbus TCP device significantly reduces commissioning time.

The Linking Device acts as a slave (adapter) on EtherNet/IP and as a Client/Master on the Modbus TCP side, handling up to 8000 bytes of I/O data. There is no reduction to the Logix PLC backplane performance (PLC execution time), even when large amounts of data is transferred.

- **HIGHLIGHTS**
  - No Modbus TCP software needed
  - Reduce cabling and rack space
  - Seamless Studio 5000 integration
  - Up to 10 EIP I/O connections
  - No PLC performance reduction
  - ODVA Conformance Tested
  - Encapsal Partner Product

**ORDERING INFORMATION**

Part No: HMS-EN2MB-R Installation guide, Power supply not included

**SPECIFICATIONS**

- Size: 110 x 35 x 101 mm
- Oper. Temp: -25 to +60°C
- Isolation: Yes
- Rating: IP20
- Mounting: DIN-rail or Wall mount
- Baudrates: 10/100 + 9600 -12Mbits
- ConfigPorts: 1x USB, 1 MicroSD
- Certification: CE, ATEX, Haz.Loc, UL & cUL
- Guarantee: 3 years

EtherNet/IP to Serial Linking Device

The EtherNet/IP to Serial Linking Device allows you to retrofit any existing serial-based RS-232/422/485 device to your ControlLogix® and CompactLogix® PLC from Rockwell Automation.

The stand-alone Linking Device eliminates the need for any additional configuration software, licenses or programming as everything is configured inside Studio 5000 Logix designer.

Integrate devices with almost any serial protocol to Logix PLCs

Automatically generated, named and structured controller tags within Studio 5000 for each connected serial device significantly reduces commissioning time.

The Linking Device is capable of converting almost any type of serial protocol such as Modbus RTU, DF1, ASCII, or any other type of proprietary, Request/Response or Produce/Consume protocol.

- **HIGHLIGHTS**
  - Selectable RS-232/422/485
  - Reduce long cable runs
  - No serial device HW/SW changes
  - Multi-drop upto 31 nodes (RS485)
  - Up to 10 EIP I/O connections
  - ODVA/EIP conformity tested
  - Encapsal Partner Product

**ORDERING INFORMATION**

Part No: HIMS-EN2SE-R Installation guide, DSUB connector (Power supply not included)

Part No: 019570 (Optional) USB-RS232 configuration adapter

**SPECIFICATIONS**

- Size: 120 x 25 x 75 mm (LWD)
- Oper. Temp: 0 to +55 °C
- Power: 24 VDC ±10%
- Isolation: Yes on both sides
- Mounting: DIN-rail or Wall mount
- Connectors: 1x USB, 1x RJ45
- Configuration: 1x USB, 1 ConfigPort
- Certification: CE, ATEX, HazLoc, UL & cUL
- Guarantee: 3 years
Solving connectivity problems on the factory floor

Connect to other PLC networks

**PRODUCT: Anybus® X-gateway™**

Anybus X-gateways connect Rockwell PLC systems using EtherNet/IP with almost any other PLC fieldbus/Ethernet network.

- Connect EtherNet/IP with 17 other industrial networks
- Scanner/Adapter/Master/Slave/Client/Server interfaces
- All software included
- Easy configuration — no programming needed!

Retrofit serial/CAN devices

**PRODUCT: Anybus® Communicator™**

Anybus Communicators are stand-alone protocol converter gateways enabling you to retrofit existing non-networked serial devices to Rockwell PLC systems via EtherNet/IP.

- For serial RS232/422/485 devices via RTU/ASCII/DF1/CAN
- Proprietary protocols: Produce/Consume, Request/Response
- No HW/SW modifications needed for the connected devices
- Easy configuration — no programming needed!

Connect to IoT platforms

Integrate factory floor data with IoT systems such as ThingWorx, SAP, OPC UA etc. Anybus gateways are included in most of the major PLC manufacturers’ system building software making it easy for you to integrate them into your network design.

“Connect. Configure, Done!”

“No matter which gateway you choose, you configure the network connection in the easy-to-use Anybus Configuration Manager. Simply connect the gateway via USB or Ethernet, create the configuration and you’re done!”

Christian Bergdahl
Product Marketing Manager, Anybus
Connecting PROFINET networks and devices to Rockwell Logix PLCs

The Anybus X-gateway allows you to seamlessly connect any Rockwell PLC control system on EtherNet/IP to PROFINET-IRT.

No programming skills are needed to set up the X-gateway. All configuration is made with the Anybus Configuration Manager software, included with the X-gateway.

HIGHLIGHTS
- Fast cyclic I/O data copy 10-15 ms
- No additional software required
- Integrated Web server, Email client
- Included Anybus OPC DA server
- PROFINET 2.3 Conformance
- ODVA Conformance Tested
- Encompass Partner Product

RELATED PRODUCTS:
- AB7800: PROFIBUS Master - DeviceNet Adapter
- AB7802: PROFIBUS Slave - DeviceNet Adapter
- AB7844: PROFIBUS Slave - DeviceNet Adapter
- AB7832: PROFIBUS Slave - EtherNet/IP Adapter
- AB7663: PROFIBUS Slave - DeviceNet Scanner

ORDERING INFORMATION
Part No: AB7800: Anybus X-gateway EtherNet/IP Adapter - PROFIBUS Master
Included components: USB configuration cable, Quick start guide, manuals, Anybus Configuration Manager software. (Power supply not included)

SPECIFICATIONS
- I/O Data Total 1024 bytes IN/OUT
- Config via .GDSML file, .EDS file for EIP
- EIP DLR Announced-based
- Certification CE, ATEX, Haz.Loc.
- Guarantee 3 years

CE, ATEX, Haz.Loc.
UL & cUL, RoHS

ETHERNET/IP - NETWORK TO NETWORK GATEWAYS

Connecting PROFINET networks and devices to Rockwell Logix PLCs

The Anybus X-gateway allows you to seamlessly connect any Rockwell PLC control system on EtherNet/IP to PROFINET-IRT.

No programming skills are needed to set up the X-gateway. All configuration is made with the Anybus Configuration Manager software, included with the X-gateway.

HIGHLIGHTS
- Fast cyclic I/O data copy 10-15 ms
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- Integrated Web server, Email client
- Included Anybus OPC DA server
- PROFINET 2.3 Conformance
- ODVA Conformance Tested
- Encompass Partner Product

RELATED PRODUCTS:
- AB7800: PROFIBUS Master - DeviceNet Adapter
- AB7802: PROFIBUS Slave - DeviceNet Adapter
- AB7844: PROFIBUS Slave - DeviceNet Adapter
- AB7663: PROFIBUS Slave - DeviceNet Scanner

ORDERING INFORMATION
Part No: AB7800: Anybus X-gateway EtherNet/IP Adapter - PROFIBUS Master
Included components: USB configuration cable, Quick start guide, manuals, Anybus Configuration Manager software. (Power supply not included)

SPECIFICATIONS
- I/O Data Total 1024 bytes IN/OUT
- Config via .GDSML file, .EDS file for EIP
- EIP DLR Announced-based
- Certification CE, ATEX, Haz.Loc.
- Guarantee 3 years
Modbus TCP Client to EtherNet/IP

The Anybus X-gateway allows you to seamlessly connect any Rockwell PLC control system on EtherNet/IP to Modbus-TCP. No programming skills are needed to set up the X-gateway. All configuration is made with the Anybus Configuration Manager software, included with the X-gateway.

Integrating Modbus TCP networks and devices to Logix PLCs

The X-gateway’s primary function is the fast transfer of cyclic I/O data between Modbus TCP and EtherNet/IP. This offloads your PLC from working with additional calculations.

This gateway acts as an EtherNet/IP Adapter and a Client on the Modbus TCP network, eliminating the need for a Modbus TCP-based PLC. The data transmission is completely transparent with a maximum I/O data capacity of 256 bytes in each direction, connecting up to 64 Modbus TCP slaves.

RELATED PRODUCTS:
AB7509: Modbus TCP Client - Modbus TCP Server
AB7508: Modbus TCP Client - DeviceNet Adapter
AB7507: Modbus TCP Client - ControlNet Adapter

ORDERING INFORMATION
Part No: AB9006: Anybus X-gateway - EtherNet/IP Adapter - Modbus TCP Client
Included components: Quick start guide, manuals, Anybus Configuration Manager software. (Power supply not included)

SPECIFICATIONS
Size: 110 x 35 x 101 mm LW
Oper Temp: Str: Temp 25 to +70°C 40 to +85 °C
Power: 24 VDC ±20%
Isolation: Yes on both sides
Ratings: IP50
Mounting: DIN-rail or Wall mount
Connectors: 2x RJ45 + 2x RJ45
Baudrates: 10/100 + 10/100 Mbit/s
Port: 1x USB firmware update
I/O Data: Total 512 bytes IN/OUT
Config: 1x Internal text pager, EDS file for EIP
EIP CLIR: Announced-based
Certification: CE, ATEX, Haz.Loc, ODVA Conformance Tested
Guarantee: 3 years

Modbus TCP Server to EtherNet/IP

The Anybus X-gateway allows you to seamlessly connect any Rockwell PLC control system on EtherNet/IP to Modbus-TCP. No programming skills are needed to set up the X-gateway. All configuration is made with the Anybus Configuration Manager software, included with the X-gateway.

Connecting Modbus TCP networks and devices to Logix PLCs

The X-gateway’s primary function is the fast transfer of cyclic I/O data between Modbus TCP and EtherNet/IP. This offloads your PLC from working with additional calculations.

This gateway version acts as an Adapter on the EtherNet/IP network and a Server (slave) on the Modbus TCP network, eliminating the need for a Modbus TCP-based PLC. The data transmission is completely transparent with a maximum I/O data capacity of 512 bytes in each direction.

RELATED PRODUCTS:
AB7636: Modbus TCP Server - ControlNet Adapter
AB7635: Modbus TCP Server - DeviceNet Adapter
AB7630: Modbus TCP Server - DeviceNet Scanner
AB7632: Modbus TCP Server - DeviceNet Adapter

ORDERING INFORMATION
Part No: AB7632: Anybus X-gateway - EtherNet/IP Adapter - Modbus TCP Server
Included components: USB configuration cable, Quick start guide, manuals, Anybus Configuration Manager software. (Power supply not included)

SPECIFICATIONS
Size: 114 x 44 x 127mm LWD
Oper Temp: Str: Temp 25 to +70°C 40 to +85 °C
Power: 24 VDC ±20%
Isolation: Yes on both sides
Ratings: IP50
Mounting: DIN-rail or Wall mount
Connectors: 2x RJ45 + 2x USB + 1x RS232
Baudrates: 10/100 + PDP 12 Mbit/s
Port: 1x USB firmware update
I/O Data: Total 1024 bytes IN/OUT
Config: via .GDSML file, .EDS file for EIP
Certification: CE, ATEX, Haz.Loc, ODVA Conformance Tested
Guarantee: 3 years
**ETHERNET/IP - NETWORK TO NETWORK GATEWAYS**

**CANopen Manager (Master) to EtherNet/IP**

The Anybus X-gateway allows you to seamlessly connect any Rockwell PLC control system on EtherNet/IP to CANopen.

No programming skills are needed to set up the X-gateway. All configuration is made with the Anybus Configuration Manager software, included with the X-gateway.

Integrating CANopen networks and devices to Rockwell Logix PLCs

The Anybus X-gateway CANopen provides a seamless connection between an EtherNet/IP network and a secondary CANopen sub-network. This makes it possible to integrate CANopen devices into a Rockwell Logix PLC system.

This gateway version acts as an Adapter on the EtherNet/IP network and a Manager on the CANopen network, eliminating the need for a CANopen-based PLC. The data transmission is completely transparent with a maximum I/O data capacity of 510 bytes, or 128 CANopen PDOs in each direction, connecting up to 126 CANopen slaves.

**HIGHLIGHTS**

- Integrated CANopen Manager
- Fast cyclic I/O data copy (5 ms)
- No additional software required
- Integrated Web server, Email client
- Included Anybus OPC server
- CANopen Conformance Tested
- ODVA Conformance Tested
- Encompass Partner Product

**SPECIFICATIONS**

- Size: 120 x 75 x 27mm LWD
- Oper. Temp: -25 to +55°C
- Stor. Temp: -40 to +85 °C
- Power: 24 VDC +/-20%
- Isolation: Yes on both sides
- Rating: IP20

**ORDERING INFORMATION**

Part No: AB7306: Anybus X-gateway - EtherNet/IP Adapter - CANopen Manager

Included components:
- Quick start guide, manuals, Anybus Configuration Manager software (License not included), Anybus OPC server software. (Power supply not Included)

**RELATED PRODUCTS:**

- AB7300: EtherNet/IP Adapter - CANopen Slave
- AB7327: EtherNet/IP Scanner - CANopen Slave

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**Modbus to BACnet (Factory to Building)**

The Anybus Modbus to BACnet gateway allows Modbus slave devices to communicate on a BACnet network. It allows both Modbus RTU and Modbus TCP signals to show up as individual BACnet objects on any BACnet/IP or BACnet MS/TP network.

This enables central control and supervision of Modbus devices from a BACnet Building Monitoring System (BMS).

Connecting factory and building automation networks

Modbus RTU and BACnet MS/TP networks are connected to their corresponding serial ports of the gateway, while Modbus TCP and BACnet/IP networks are connected to the Ethernet port.

You create a configuration project using the included, easy and powerful Anybus Configuration Manager (MAPS). You can then do commissioning and troubleshooting also using this tool.

**HIGHLIGHTS**

- Variable datapoints 100-3000 signals
- For small or large applications
- Connect up to 254 Modbus devices
- Import/export to MS Excel
- Included Configuration Tool
- Supports BACnet version 12
- BTL certification

**SPECIFICATIONS**

- Size: 90 x 88 x 56mm LWD
- Oper. Temp: -0 to +60°C
- Stor. Temp: -40 to +85 °C
- Power: 24 VDC +/-20%
- Isolation: Yes on both sides
- Rating: IP30

**ORDERING INFORMATION**

Part No: AB9900-100: Anybus Modbus to BACnet Gateway (100 datapoints)

Part No: AB9900-250: Anybus Modbus to BACnet Gateway (250 datapoints)

Part No: AB9900-600: Anybus Modbus to BACnet Gateway (600 datapoints)

Part No: AB9900-1200: Anybus Modbus to BACnet Gateway (1200 datapoints)

Part No: AB9900-3000: Anybus Modbus to BACnet Gateway (3000 datapoints)

Included components:
- Mini USB to Standard USB configuration cable, Installation guide, Anybus Configuration Manager software (MAPS). (Power supply not Included)
Connect serial devices to EtherNet/IP

The Anybus® Communicator™ allows you to retrofit existing serial based industrial devices and equipment to a EtherNet/IP control system without the need for any changes to the connected device. Just connect, configure and you’re done!

This compact gateway can connect up to 31 serial nodes and consumes very little space in a switching cabinet. It can be easily mounted close to the connected device. Just connect, configure and you’re done!

Retrofit existing serial RS232/422/485/DF1 devices to Logix PLCs

The Communicator performs an intelligent protocol conversion and presents the serial data to the Logix PLC Controller as easily processed I/O data. It’s capable of converting almost any type of serial protocol. Such as Modbus RTU, DF1, ASCII, or any other type of proprietary; Request/Response or Produce/Consume protocol.

No programming skills are needed as configuration is made using the included Anybus Configuration Manager.

RELATED PRODUCTS:

019570: USB to RS-232 configuration cable
AB7001: Anybus Communicator DeviceNet
AB7006: Anybus Communicator ControlNet
AB7008: Anybus Communicator PROFIBUS

Guarantee: 3 years

ORDERING INFORMATION

Part No: AB7072: Anybus Communicator EtherNet/IP

Included components: USB-232 configuration cable, D-sub connector with screw terminals, Quick start guide, manuals, Anybus Configuration Manager software. (Power supply not Included)

Specifications

- Size: 120 x 27 x 75 mm (LWD)
- Oper. Temp: -25 to +55°C
- Store. Temp: -40 to +65°C
- Power: 24 VDC +/-20%
- Isolation: Yes on both sides
- Connections: 2x RJ45
- Baudrates: 10/100 - 20 kbit/s - 1
- Config Port: 1x RS-232
- EIP I/O Data: Total 509 bytes IN and 506 bytes OUT
- EIP Config: via EDS file
- EIP DLRI: Announced-based
- UL, CUL, RoHS

RELATED PRODUCTS:

AB7319: Anybus Communicator CAN - Modbus TCP
AB7316: Anybus Communicator CAN - Modbus RTU
AB7328: Anybus Communicator CAN - PROFINET-RT

Guarantee: 3 years

ORDERING INFORMATION

Part No: AB7319: Anybus Communicator CAN - EtherNet/IP

Included components: USB configuration cable, CAN D-sub connector, Quick start documentation, Anybus Configuration Manager software. (Power supply not Included)

Specifications

- Size: 120 x 27 x 75 mm (LWD)
- Oper. Temp: -25 to +55°C
- Store. Temp: -40 to +65°C
- Power: 24 VDC +/-20%
- Isolation: Yes on both sides
- Connections: 1x DSUB Male
- Baudrates: 10/100 - 20 kbit/s - 1
- Config Port: 1x EDS file
- EIP I/O Data: Total 509 bytes IN and 506 bytes OUT
- EIP Config: via EDS file
- EIP DLRI: Announced-based
- UL, CUL, RoHS

RELATED PRODUCTS:

AB7313: Anybus Communicator CAN - DeviceNet
AB7314: Anybus Communicator CAN - ControlNet
AB7312: Anybus Communicator CAN - PROFIBUS

Guarantee: 3 years
Go wireless!

Wireless technologies such as Bluetooth and WLAN are becoming increasingly adopted in industrial applications. The benefits are obvious: reduced cabling and easier installation, especially suited for hard-to-reach locations.

With performance, security and reliability now being on par with wired communication, Anybus wireless products will enable you to keep up with the demands of the modern factory and the Industrial Internet of Things.

DID YOU KNOW THAT: Wireless networks are redefining the industrial networking picture, growing quickly by 32% and now account for 6% of the total network market. Within Wireless, WLAN is the most popular technology, followed by Bluetooth.

Bridge and Bolt work together seamlessly!

“Anybus® Wireless Bridge™ and Anybus® Wireless Bolt™ add to the flexibility of industrial networking. They also share the same technology inside working seamlessly together. With different form factors, they are suitable for the varying physical demands of industrial wireless applications.

Martin Falkman
Product Manager — Anybus Wireless

Replace Ethernet cabling with a robust wireless connection

PRODUCT: Anybus® Wireless Bridge™
Anybus Wireless Bridge is ideal for system integrators needing to establish a robust wireless connection for industrial use. The Wireless Bridge is often used in pairs but can also be used as an access point connecting up to 7 clients.

- Industrial Ethernet cable replacement
- Bluetooth and WLAN
- Point-to-point or Multipoint
- For hard-to-reach locations
- Effective range up to 400 m

Give a machine wireless access

PRODUCT: Anybus® Wireless Bolt™
Anybus Wireless Bolt is ideal for machine builders wanting to give their machines wireless access. It is mounted onto a cabinet or a machine and connects using Ethernet, CAN or Serial communication.

- Configure/troubleshoot a machine wirelessly
- BYOD, use your laptop or cell as a HMI
- Connect data with SCADA or Cloud applications
- Bluetooth and WLAN
- Connector, processor and antenna included
- Effective range up to 100 m

WLAN
Bluetooth®
The Anybus® Wireless Bridge II enables you to create a robust wireless connection between two points in an industrial Ethernet network.

This second generation of the proven and trusted product can communicate via both Bluetooth and WLAN. It is ideal for communication through hazardous areas or hard-to-reach locations where cables are not desirable.

ORDERING INFORMATION

Part No: AWB3000: Ethernet bridge via Bluetooth and WLAN
Part No: AWB3030: Ethernet bridge via Bluetooth and WLAN (Internal antenna)

Included components: 1x Bolt, Connector, Installation guide

Part No: AWB3030B: Starterkit - 2 x Wireless Bridge, 2 x Power Supply (world) cabling, quick start guide

ACCESSORIES:

- DIN clip with screws
- RPSMA connector

HIGHLIGHTS

- Security features - secure operation
- Access point up to 7 clients
- Bridges any TCP/IP based Ethernet
- Bluetooth and WLAN 2.4 / 5 GHz
- Ideal for hazardous environments
- Improves operator safety
- Effective range up to 100 m
- Unique disturbance handling method
- Bluetooth and WLAN technology
- Enables wireless access
- Easy configuration via push button or via web configuration

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Size (LxWxH)</th>
<th>91 x 65 x 36,2 mm</th>
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<tbody>
<tr>
<td>Oper. Temp</td>
<td>-30 to +65 °C</td>
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<tr>
<td>Storage Temp</td>
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<tr>
<td>Power</td>
<td>9-30 VDC +/-5% Clamping, 12V</td>
</tr>
<tr>
<td>Antenna</td>
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<tr>
<td>Rating</td>
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<tr>
<td>Mounting</td>
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<tr>
<td>Connectors</td>
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</tr>
<tr>
<td>Config</td>
<td>Push button, Web, AT commands</td>
</tr>
<tr>
<td>Security</td>
<td>See web page</td>
</tr>
<tr>
<td>Certification</td>
<td>FCC/IC, CE, ETSI, R &amp; TTE</td>
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<tr>
<td>Guarantee</td>
<td>3 years</td>
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ORDERING INFORMATION

Part No: AWB23000: Anybus Wireless Bolt - Bluetooth and WLAN
Part No: AWB23002: Anybus Wireless Bolt Starterkit

Included components: 1x Bolt, Connector, Installation guide

Part No: AWB23002: Anybus Wireless Bolt Starterkit

Included components: 2 x Wireless Bolt, 2 x Power Supply (world) cabling, 2x Pre-wired cable harness for Power/Ethernet (RJ45), Installation guide

HIGHLIGHTS

- Eliminates expensive cabling
- Used in hard-to-reach locations
- Ideal for hazardous environments
- Bluetooth and WLAN technology
- Unique disturbance handling method
- Effective range up to 100 m
- Bridges any TCP/IP based Ethernet
- Access point up to 7 clients
- Security features - secure operation
- Encompase Partner Product

SPECIFICATIONS

<table>
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<th>Size (Diameter)</th>
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<td>Oper. Temp</td>
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<tr>
<td>Storage Temp</td>
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<td>Power</td>
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<td>Antenna</td>
<td>Internal</td>
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<td>Rating</td>
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<td>Mounting</td>
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<td>Connectors</td>
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<tr>
<td>Config</td>
<td>Web page, AT commands</td>
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<tr>
<td>Security</td>
<td>See web page</td>
</tr>
<tr>
<td>Certification</td>
<td>FCC/IC, CE, ETSI, R &amp; TTE</td>
</tr>
<tr>
<td>Guarantee</td>
<td>3 years</td>
</tr>
</tbody>
</table>
A CAN partner that you can trust!

“As a longtime CAN expert and founding member in CAN-in-Automation, we are a trusted partner when it comes to CAN technology and CAN products.”

Christian Schlegel
Managing Director, IXXAT Business Unit

IXXAT® is well-known for CAN connectivity solutions. Today, the CAN, CAN FD and CANopen standards are widely used for communication within cars, medical automation, machines, marine vessels, and much more.

Although CAN is mature and proven, it is used in many new installations because of low costs, flexibility, reliability and power efficiency benefits.

HMS’s IXXAT products are also used to meet the strong demand for connecting CAN-based machinery to the Internet of Things. In addition to classic CAN, a range of new IXXAT products enable customers to master current and future machine-communication challenges involving the next-generation standard CAN FD, as well as industrial Ethernet systems such as EtherNet/IP.

DID YOU KNOW THAT: Each year, about 1 billion CAN nodes (a connection point for a machine) are sold worldwide.

PC Interfaces for Machine Control and Analysis

PRODUCT: IXXAT® PC-Interfaces
The connecting link between CAN, CAN FD and your Windows, Linux or real-time application. The basis for your control, service and configuration applications.

- Plug-in PCIe interfaces for control applications
- Gateways for access via Ethernet
- Mobile access for Bluetooth® or USB
- One common driver interface for all interfaces

IXXAT® Repeaters/Gateways
IXXAT® infrastructure components for CAN consist of repeaters, bridges and gateways allowing for CAN/CAN FD access over Ethernet.

- Cost savings through easier wiring and implementation of star/tree structures
- Coupling of different network standards and devices, including wireless
- Increase of the system reliability and protection against overvoltage
PC INTERFACE FOR MACHINE CONTROL AND ANALYSIS

PCle, PCIe mini to EtherNet/IP

The IXXAT® INpact™ EIP Slave PCIe is a versatile multi-network PC interface supporting all major Industrial Ethernet protocols. Pre-installed with the EtherNet/IP network protocol, it enables easy connection of PC-based Adapter applications to the EtherNet/IP network. It is ideal for industrial PC-based monitoring, configuration and analysis.

Connect your Industrial PCs to EtherNet/IP-based Logix PLCs

The IXXAT INpact offering is available in two versions with different interfaces. The first is a PCIe, including standard or low-profile slot-brackets. The second version, a PCIe Mini, is for devices with limited available space and mobile/handheld devices.

The INpact card comes with a comprehensive C-API based driver package for PCIe, PCIe mini to EtherNet/IP, including standard or low-profile slot-brackets. The second version, a PCIe Mini, is for devices with limited available space and mobile/handheld devices.

HIGHLIGHTS

- Available in multiple form factors
- Common API for multi-networks
- Driver package for Windows/Linux
- For real-time applications
- EIP updates maintained by HMS
- Integrated Web server, Email client
- ODA/Conformance Tested
- Encapsulate Partner Product

ORDERING INFORMATION

Part No: 1.01.0320.22101: INpact EtherNet/IP PCIe Standard/Low
Part No: 1.01.0320.22120: INpact EtherNet/IP PCIe Low Profile
Part No: 1.01.0320.22110: INpact EtherNet/IP PCIe Mini

Included components: IXXAT INpact PC board (Mini version with additional bus interface board and cable) EtherNet/IP firmware pre-installed, Windows, Linux, QNX and WinDriver software, Manual

USB to CAN V2 / FD

The IXXAT® USB-to-CAN V2 and USB-to-CAN FD is the perfect choice for monitoring a CAN/CAN FD network, for configuration and analysis applications as well as for PC based control applications.

These high-performance, low latency, active USB interfaces are available in different formats with support for CAN, CAN FD, and IXXAT’s common driver package with higher layer APIs.

HIGHLIGHTS

- Available in multiple versions
- Common Driver Interface
- Driver support for Windows/Linux
- Galvanically isolated
- Up to 2x CAN / CAN FD
- Special versions for LIN/automotive
- Includes canAnalyser Mini

ORDERING INFORMATION

Part No: 1.01.0320.22110: USB-CAN V2 Compact - 1x CAN HS-port D-Sub9
Part No: 1.01.0320.22120: USB-CAN V2 Compact - 1x CAN HS-port RJ45
Part No: 1.01.0320.22101: USB-CAN V2 Pro - 2x CAN HS-port RJ45
Part No: 1.01.0320.22101: USB-CAN V2 Automotive - 2x CAN HS, 1x CAN LS, 1x LIN port RJ45
Part No: 1.01.0358.22101: USB-CAN FD Automotive - 2x CAN HS, 1x CAN FD port D-Sub9
Part No: 1.01.0351.12001: USB-CAN FD Compact - 1x CAN HS, 1x CAN FD port D-Sub9
Part No: 1.01.0358.22102: USB-CAN FD Automotive - 2x CAN HS, 2x CAN FD, 1x LIN port RJ45

Included components: Manual, CAN driver VCI for Windows, Simple “canAnalyser Mini” can bus monitor. (2x RJ45 to D-Sub9 adapter cable available with Pro & Automotive versions)

ORDERING INFORMATION

Part No: 1.01.0320.22110: USB-CAN FD Compact - 1x CAN HS-port D-Sub9
Part No: 1.01.0320.22120: USB-CAN FD Compact - 1x CAN HS-port RJ45
Part No: 1.01.0320.22101: USB-CAN FD Pro - 2x CAN HS-port RJ45
Part No: 1.01.0320.22101: USB-CAN FD Automotive - 2x CAN HS, 1x CAN FD, 1x LIN port RJ45

Included components: Manual, CAN driver VCI for Windows, Simple “canAnalyser Mini” can bus monitor. (2x RJ45 to D-Sub9 adapter cable available with Pro & Automotive versions)

ORDERING INFORMATION

Part No: 1.01.0320.22110: USB-CAN FD Compact - 1x CAN HS-port D-Sub9
Part No: 1.01.0320.22120: USB-CAN FD Compact - 1x CAN HS-port RJ45
Part No: 1.01.0320.22101: USB-CAN FD Pro - 2x CAN HS-port RJ45
Part No: 1.01.0320.22101: USB-CAN FD Automotive - 2x CAN HS, 1x CAN FD, 1x LIN port RJ45

Included components: Manual, CAN driver VCI for Windows, Simple “canAnalyser Mini” can bus monitor. (2x RJ45 to D-Sub9 adapter cable available with Pro & Automotive versions)

ORDERING INFORMATION

Part No: 1.01.0320.22110: USB-CAN FD Compact - 1x CAN HS-port D-Sub9
Part No: 1.01.0320.22120: USB-CAN FD Compact - 1x CAN HS-port RJ45
Part No: 1.01.0320.22101: USB-CAN FD Pro - 2x CAN HS-port RJ45
Part No: 1.01.0320.22101: USB-CAN FD Automotive - 2x CAN HS, 1x CAN FD, 1x LIN port RJ45

Included components: Manual, CAN driver VCI for Windows, Simple “canAnalyser Mini” can bus monitor. (2x RJ45 to D-Sub9 adapter cable available with Pro & Automotive versions)

ORDERING INFORMATION

Part No: 1.01.0320.22110: USB-CAN FD Compact - 1x CAN HS-port D-Sub9
Part No: 1.01.0320.22120: USB-CAN FD Compact - 1x CAN HS-port RJ45
Part No: 1.01.0320.22101: USB-CAN FD Pro - 2x CAN HS-port RJ45
Part No: 1.01.0320.22101: USB-CAN FD Automotive - 2x CAN HS, 1x CAN FD, 1x LIN port RJ45

Included components: Manual, CAN driver VCI for Windows, Simple “canAnalyser Mini” can bus monitor. (2x RJ45 to D-Sub9 adapter cable available with Pro & Automotive versions)
CAN Repeaters

The IXXAT® CAN repeaters enable physical coupling of CAN and DeviceNet network segments. They improve the system reliability, allow setting up star and tree structures and reduce wiring costs.

The integrated galvanic isolation provides a built-in protection against overvoltage.

Easy set-up of tree and star topologies for CAN and DeviceNet systems

Using IXXAT Repeaters you can easily set up tree and star topologies without affecting system real-time behavior. In terms of transmission behavior, the architecture corresponds to a network that consists only of lines.

Depending on Repeater version or physical layer, typical signal delay is between 150-300 ns, which is equal to a 30-60 m line length. Data transmission is transparent so it can be used with any higher layer protocol (e.g. DeviceNet, CANopen) or customer-specific protocols.

Highly flexible interconnection with three operation modes

The CAN@net NT is offered in two versions — CAN@net NT 200 with two classic CAN channels and CAN@net NT 420 with four CAN channels, of which two channels can be switched between CAN and CAN FD. Both devices offer three operation modes – PC interface, bridge and gateway.

In gateway mode the CAN@net NT can be directly accessed from e.g. Windows, Linux, VxWorks or QNX based systems as well as from embedded systems, by using a simple ASCII protocol over a standard TCP/IP socket.

In bridge mode, a CAN-Ethernet-CAN bridge can be implemented, with up to four independent CAN channels (2 x CAN FD) per device. The bridge allows data exchange over long distances via TCP/IP, using existing Ethernet infrastructures.

CAN@net NT 420 in Bridge Mode

- CAN/CAN FD Conversion
- ID Translation
- 11/29 Bit Frame Conversion
- Baudrate Conversion
- Message Filter

HIGHLIGHTS

• Cost savings by simpler wiring
• Increased system reliability
• Line protection up to 4 kV
• No effects on real-time behaviour
• Easy connect via DIN-rail backbone
• Fiber optic versions available

ORDERING INFORMATION

Part No: 1.01.0067.44000: CAN@net NT 200 - 2 CAN channels
Part No: 1.01.0067.44400: CAN@net NT 420 - 4 CAN channels (2 switchable to CAN FD)

Included components: 1x CAN@net gateway, User manual, CD with CAN Gateway Configurator, CAN VCI driver for Windows, Mini USB cable.

CAN Ethernet Bridge/Gateways

IXXAT CAN@net NT can be used to enable network coupling over large distances via Ethernet as well as to connect PCs or embedded controllers to CAN/CAN FD systems via Ethernet.

Configuration is made with an easy to use Windows tool — via USB or Ethernet. Configuration of filter, mapping, multiplexer or translation rules can be carried out very easily, without programming skills.

ORDERING INFORMATION

Part No: 1.01.0332.20000: CAN@net NT 200 - 2 CAN channels
Part No: on request: CAN@net NT 420 - 4 CAN channels (2 switchable to CAN FD)

Included components: 1x CAN@net gateway, User manual, CD with CAN Gateway Configurator, CAN VCI driver for Windows, Mini USB cable.
Remote Access

PRODUCT: eWON® Cosy

Today, every machine builder recognizes the need to access machines and equipment in the field remotely in order to drastically reduce maintenance costs and optimize customers’ machine uptime.

• Remote troubleshoot/program PLCs
• Connect to your remote HMI
• Connect to a local webcam
• Support field technicians with commissioning

Remote Data

PRODUCT: eWON® Flexy

Remote Data provides advanced data services including data collection from remote sites and alarm management.

• Gather time-stamped machine data centrally (alarms, KPI, set point, consumption, ...)
• Use or create your own remote HMI
• Use field data to create added-value services
• Access your machines remotely

Remote Management

PRODUCT: eWON® Netbiter

Remote Management allows end-users/facility managers to monitor and control their industrial assets online and to make better operational decisions.

• Manage multiple sites, equipment and users
• Visualize data from remote installations
• Manage alarms and events
• Analyze trends and performance

Our remote solutions will take you much further

The market for remote access, control and monitoring of industrial machines and systems is still young, fragmented and difficult to assess, yet growing at a rapid pace. Remote connectivity is seen as a key element in emerging IIoT solutions - both within traditional automation solutions as well as in IoT-integration projects in many industrial verticals.

As the world leading brand in the Internet-based remote access area, eWON® encompasses solutions which have been built, established and optimized for more than 15 years.

Let HMS take your business further and guide you, from remote access to a far greater connected industrial world!

DID YOU KNOW THAT: eWON remote solutions connect industrial equipment in over 150 countries. We have helped to save over 7 million kilometers of unnecessary travelling and almost 1 million kilos of CO₂ emissions.

Go remote — reduce your carbon footprint!

“With eWON remote solutions we add value by gathering and displaying KPIs and key parameters from machines, enabling improved uptime, service and performance. Another key factor is that we help reduce on-site travelling — we can assist you in reducing your company’s carbon footprint significantly.”

Serge Bassem, General Manager, eWON Business Unit
Remote Solutions — Remote Access, Remote Data

Stop travelling on site for support!

The eWON® Cosy™ is an industrial VPN router designed to offer easy remote access, across the Internet, to PLCs, machines and installations on customer sites or in the field.

With the eWON Cosy, OEMs and System Integrators can configure Rockwell PLCs through Studio 5000®, troubleshoot machines remotely, all without going on site, drastically reducing operating costs and improving service and uptime.

Easy Remote Access to your Logix PLC, HMI, IPC, or IP Camera

The eWON Cosy is connected to the Talk2M server. The engineer uses the eCatcher Talk2M Remote Access software.

Why eWON Remote Access?

- Secure VPN SSL tunnel
- Versions with Cellular + WiFi
- Compatible with automation devices (incl. legacy)
- Worldwide infrastructure & coverage
- Recommended by PLC vendors
- Support field technicians for commissioning
- Connect to a web camera for assistance
- Gather time-stamped machine data centrally (alarms, KPI, set point, consumption, ...) and data gateway designed for OEMs and system integrators.
- Data collection from the field
- Create added-value services
- Open for 3rd party integration
- Stores up to 1M data points locally
- Remotely access your machines
- Unlock new services with your machine data!

The eWON® Flexy™ is the first industrial modular IOT router and data gateway designed for OEMs and system integrators.

The flexibility allows a user to link remote devices in an environment where communication technologies are constantly changing. It also allows universal communication with the most varied field equipment, regardless of the protocol used.

Unlock new services with your machine data!

Activate your Flexy apps - your M2M application designed in minutes!

The Flexy 20x series includes routing and gateway capabilities between WAN, LAN, and RS232/422/485. It allows full remote access to devices connected to the LAN, serial, MPI, or USB ports of the Flexy. Main applications include data monitoring and collection, but the Flexy goes further by enabling you to create your own applications using BASIC scripting or Java.

ORDERING INFORMATION

- Part No: EC6133D: Industrial Router COSY131 WAN/LAN/USB + Cellular 3G (antenna not incl.)
- Part No: EC6133C: Industrial Router COSY131 WAN/LAN/USB + WIFI (antenna incl.)
- Included components: eWON Cosy 131, connectivity via Talk2M Free (Pro upgrade available), eCatcher Talk2M Remote Access software, Installation guide

SPECIFICATIONS

- Size (H x W x D): 108 x 99 x 42 mm
- Weight: 0.97 g
- Operating Temp: -25 to 70 °C
- Power Supply: 12-24 VDC +/- 20%
- Ethernet: 4x10/100 Mbps (Configurable LAN/WAN)
- USB: 2.0
- WiFi: 802.11 b/g/n
- Cellular: 3G/GSM/GPRS
- Ports: 1x MPI/Profibus, 1x Ethernet, 1x Serial, 1x USB
- SD card reader: All versions
- Certification: CE, CRU-US, RoHS
- Guarantee: 2 years

ORDERING INFORMATION

- Part No: Flexy201: Flexy 201 4x Ethernet switch
- Part No: Flexy202: Flexy 202 1x Ethernet + 1x serial Port
- Part No: Flexy203: Flexy 203 1x Ethernet + 1x MPI port
- (Extension cards available for Cellular, USB, WIFI, I/O...)

Include components: eWON Flexy 20x, connectivity via Talk2M Free (Pro upgrade available), eCatcher Talk2M Remote Access software, Installation guide

SPECIFICATIONS

- Size (H x W x D): 89 x 89 x 134 mm
- Weight: 500 g
- Operating Temp: -25 to 70 °C
- Power Supply: 12-24 VDC +/- 20%
- Routing: WAN/LAN/Serial
- Data Logging: 996,147 time stamped points
- Flexy 201 ports: Switch 4x LAN 10/100 Mbps
- Flexy 202 ports: 1x RS232/422/485 + 1x LAN 10/100 Mbps
- Flexy 203 ports: 1x MPI/Profinet + 1x LAN 10/100 Mbps
- I/O ports: 2 x DI, 1x DO
- SD card reader: All versions
- Certification: CE, CRU-US, RoHS, EN300326
- Guarantee: 2 years

REMOTE ACCESS

REMOTE DATA

M2Web
HTTPS
EwON
Cosy
Cosy's LAN ports, from anywhere in the world 24/7.

The engineer can then go live with any device connected to the eWON Cosy's LAN ports, from anywhere in the world 24/7.

Custom BASIC Scripts and Java applications can be used to deploy large eWON-based systems, providing flexibility and scalability through dynamic updates to the eWON unit.

Stop traveling on site for support!

Through Talk2M, you get a fully secure, firewall friendly VPN tunnel to your Rockwell PLC or any other equipment. From here you can start software (eg. Studio 5000) to configure or troubleshoot, just like being on-site.

Easy Remote Access to your Logix PLC, HMI, IPC, or IP Camera

The eWON Cosy is connected to the Talk2M server. The engineer uses the eCatcher client to log into the Talk2M account remotely, and selects the machine they want to connect to. A fully secure VPN tunnel is now set up between the engineer and the equipment. The engineer can then go live with any device connected to the eWON Cosy's LAN ports, from anywhere in the world 24/7.

ORDERING INFORMATION

Part No: EC6133C: Industrial Router COSY131 WAN/LAN/USB + Cellular 3G (antenna not incl.)

Included components: eWON Cosy 131, connectivity via Talk2M Free (Pro upgrade available), eCatcher Talk2M Remote Access software, Installation guide

ORDERING INFORMATION

Part No: EC6133D: Industrial Router COSY131 WAN/LAN/USB + WIFI (antenna incl.)

Included components: eWON Cosy 131, connectivity via Talk2M Free (Pro upgrade available), eCatcher Talk2M Remote Access software, Installation guide

HIGHLIGHTS

• Firewall friendly outbound connection
• Easy to use Wizard configuration
• Versions with Cellular + WiFi
• Secure VPN SSL tunnel
• Customer can enable or disable VPN access
• Audit trail and traceability
• LAN segregation + NAT 1:1
• 2 factor authentication
• Encompass Partner Product

HIGHLIGHTS

• Gather time-stamped machine data centrally (alarms, KPI, set point etc.)
• Use or create your own remote HMI
• All major protocols embedded (incl. legacy) for data acquisition
• Collect data from the field
• Create added-value services
• Open for 3rd party integration
• Stores up to 1M data points locally
• Remotely access your machines

Unlock new services with your machine data!

The Flexy 20x series includes routing and gateway capabilities between WAN, LAN, and RS232/422/485. It allows full remote access to devices connected to the LAN, serial, MPI, or USB ports of the Flexy. Main applications include data monitoring and collection, but the Flexy goes further by enabling you to create your own applications using BASIC scripting or Java.

Activate your Flexy apps - your M2M application designed in minutes!

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Activate your Flexy apps - your M2M application designed in minutes!

The Flexy 20x series includes routing and gateway capabilities between WAN, LAN, and RS232/422/485. It allows full remote access to devices connected to the LAN, serial, MPI, or USB ports of the Flexy. Main applications include data monitoring and collection, but the Flexy goes further by enabling you to create your own applications using BASIC scripting or Java.
You connect a Netbiter gateway to your equipment. It then automatically starts to send encrypted data via the cellular network or Ethernet to the Netbiter Argos™ cloud. Netbiter Argos is where your site/equipment data is securely stored. You simply log in to Argos at www.netbiter.net to access your equipment via a regular PC, tablet, smartphone etc. You can also get alarms via email or SMS sent to yourself or service staff.

Manage your installations online!
eWON® Netbiter® allows you to optimize the operational efficiency of your assets. With Netbiter, you have a way of staying on top of site equipment status and operations remotely. Using visualization dashboards, you can track performance, get alarms, manage single or multiple users/sites, even integrate equipment data into your own systems using the Netbiter API.

Access your sites, installations and field equipment anytime, anywhere!

You connect a Netbiter gateway to your equipment. It then automatically starts to send encrypted data via the cellular network or Ethernet to the Netbiter Argos™ cloud. Netbiter Argos is where your site/equipment data is securely stored. You simply log in to Argos at www.netbiter.net to access your equipment via a regular PC, tablet, smartphone etc. You can also get alarms via email or SMS sent to yourself or service staff.

Highlights

- Firewall friendly outbound connection
- Easy to use Wizard configuration
- Versions with Cellular + WiFi
- Secure VPN SSL tunnel
- Customer can enable or disable VPN access
- Audit trail and traceability
- LAN segregation + NAT 1:1
- 2 factor authentication
- ODVA Conformance Tested
- Encompass Partner Product

Specifications

- Size (LxWxH): 92 x 135 x 27 mm
- Operating Temp: -45 to 65 °C
- Power supply: 9-32 VDC +/- 20%
- Ethernet Ports: 1x LAN, 1x WAN 10/100 Mbit/s
- Relay Output: 1x DI, 1x DO
- I/O ports: 2x DI, 4x AO
- Serial Ports: 1x RS-232, 1x RS485
- Cellular: 2G, EDGE/GSM/GPRS
- I/O ports: 2x DI, 1x DO
- Protocol support: CAN, EIP Modbus TCP/IP, RTU
- Housing Mounting: Metal, Wall or DIN
- Certification: CE, UL, cUL, RohHS
- Guarantee: 3 years

Part No: NB1007: Netbiter EC310 - Ethernet
Part No: NB1005: Netbiter EC350 - Ethernet + 3G (Antenna included)

Included components: Netbiter EC3xx, Netbiter Argos Cloud connectivity (View & Control package, 1 User, 1 Site, incl. Remote Access mode) 2x pluggable connectors, Installation guide.

ORDERING INFORMATION

Work with the world’s no.1 choice for industrial communication

Trends such as the Internet of Things and Industry 4.0 require more and more industrial machines to become networked. HMS products, solutions and know-how enable industrial machinery to get connected to systems and networks and are therefore a must-have for any industrial company wishing to operate globally.

Our products connect millions of devices around the world and enable our customers to widen their market and improve their business. HMS’ long experience, large installed base, and wide market coverage, makes us the undisputed market leader of our field.

Facts about HMS

- Operations in 13 countries.
- Customers in more than 50 countries.
- Head office in Halmstad, Sweden.
- 500 employees.
- Listed on NASDAQ OMX Nordic Exchange in Stockholm.

Network connectivity expertise at your service

Economically, time and costs are increasingly important when it comes to network connectivity. This makes it necessary to work closely with our customers to offer the best solutions and experience. When we work with our customers, we ensure that our products are best suited for the job, and that our customers get value for money.

We work closely with our customers to offer expertise and experience. We help you broaden your market and stay up-to-date when it comes to network connectivity. Many of our customers regard HMS as their internal development department for industrial communication.

Get in touch with us, and we’ll tell you more about how to get connected.

Staffan Dahlström
Chief Executive Officer, HMS
HMS Industrial Networks
Through the Anybus®, IXXAT® and eWON® brands and products, HMS Industrial Networks provides reliable solutions for industrial communication and remote connectivity. HMS’ knowledgeable staff, distributors and partners in over 50 countries worldwide, are there to help you increase your business productivity and performance, while lowering cost and time to market.