

## Anybus EtherNet/IP Linking Devices – EtherNet/IP to Serial Linking Device

Item number: HMS-EN2SE-R

The Anybus EtherNet/IP to Serial Linking Device converts serial to EtherNet/IP, enabling you to connect any serial device to a Logix PLC control system. The linking device presents serial data as easily processed I/O data, offloading the PLC from working with extra calculations and allowing for seamless integration with Studio 5000.



*Enable seamless integration of serial devices to Studio 5000*

### Features and benefits

- ✓ **Seamless integration with Studio 5000**

The unique Studio 5000<sup>®</sup> Logix designer integration provides access to everything, including serial network configuration. No need for extra 3rd-party software, licenses, or programming.
- ✓ **Connect, configure, done**

EtherNet/IP Linking Devices are configured using a Custom Add-On Profile in Studio 5000, dynamically generating data structures for each device and eliminating the need for ladder logic files.
- ✓ **3-year warranty**

The linking devices are designed to be robust and long-lasting. A 3-year guarantee is provided.
- ✓ **Increased performance - Logix PLC**

Presents serial data as easily processed I/O data offloading the Logix PLC from extra calculations.
- ✓ **Life cycle management**

HMS maintains every part of the Linking Devices, including network updates, throughout the product's lifecycle.
- ✓ **Convert any type of serial protocol**

The Linking Device can convert any standard serial protocol such as Modbus RTU, DF1, or any other Request/Response or Produce/Consume proprietary protocol.
- ✓ **Automatic tag names**

Our Custom Add-On Profile for Studio 5000 supports the automatic generation of named and structured controller tags, eliminating the need to create alias tags.
- ✓ **No programming required**

Easy to set up with the Custom Add-On Profile. No programming required!
- ✓ **Trusted partner**

Anybus has a long history of working with all the major network organizations to ensure compliant, high-performing, and compatible products.

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General	
Net Width (mm)	27
Net Height (mm)	120
Net Depth (mm)	75
Net Weight (g)	155
Packed Width (mm)	14
Packed Height (mm)	6
Packed Depth (mm)	17
Packed Weight (g)	320
Operating Temperature °C Min	0
Operating Temperature °C Max	55
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Relative Humidity	0-95% non condensing
Current Consumption Type Value at Vcc Nom (mA)	100mA @ 24V DC
Current Consumption Max value at Vcc nom (mA)	300mA @ 24V DC
Input Voltage (V)	24V DC (-10% to +10%)
Power Connector	2-pin, 5.08 Phoenix plug connector
Isolation	TRUE
Maximum Installation Altitude (m)	up to 2 000 m

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## General

Mounting	DIN-rail (EN 50022 standard)
Housing Materials	PC ABS, UL 94
Packaging Material	Cardboard

## Identification and Status

Product ID	HMS-EN2SE-R
Country of Origin	Sweden
HS Code	8517620000
Export Control Classification Number (ECCN)	5A991.b.1
Supply Risk Factor ERP	Used in Volume 01

## Physical Features

Connectors / Input / Output	1x D-sub 9-pin female, 2xRJ45
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## EtherNet/IP Features

EtherNet/IP Mode	Adapter / Slave
EtherNet/IP Supported Functionality	Preinstalled Add On Profile in Studio 5000 Logix Designer; Daisy Chaining
EtherNet/IP Configuration File	EDS available
EtherNet/IP Bandwidth	10/100MBit
EtherNet/IP Input Data Size	509 bytes
EtherNet/IP Output Data Size	505 bytes

## Modbus-RTU Features

Modbus-RTU Mode	Client / Master
Modbus-RTU Supported Functionality	RS-232; RS-422; RS485; DF1; Standard Modbus RTU Master; Custom Request / Responce commands; Custom Produce / Consume transactions; Trigger initiated transactions 7 or 8 data bit; None, Odd, Even Parity; 1 or 2 stop bit; Clear/Freeze
Modbus-RTU Functions Supported	1, 2, 3, 4, 5, 6, 7, 8, 11, 12, 15, 16, 17, 20, 21, 22, 24
Modbus-RTU Baud Rate	1200,1800,2400,4800,7200,9600,14400,19200,35700,38400,57600 bit/s

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## Modbus-RTU Features

<b>Modbus-RTU Input Data Size</b>	512 bytes
<b>Modbus-RTU Output Data Size</b>	512 bytes

## Serial Features

<b>Connector</b>	1x D-sub 9-pin female
<b>Max Nodes</b>	31
<b>Baud Rate</b>	1200,1800,2400,4800,7200,9600,14400,19200,35700,38400,57600 bit/s
<b>Supported Functionality</b>	RS-232; RS-422; RS485; DF1; Standard Modbus RTU Master; Custom Request / Responce commands; Custom Produce / Consume transactions; Trigger initiated transactions 7 or 8 data bit; None, Odd, Even Parity; 1 or 2 stop bit; Clear/Freeze

## Certifications and Standards

<b>Protection Class IP</b>	IP20
<b>Recycle / Disposal</b>	TRUE
<b>UL Information</b>	E214107: Ord.Loc UL508, CSA C22.2 No. 14-10; E203225: Haz.Loc CL I DIV2 GP A,B,C,D, ANSI/ISA 12.12.01, CSA C22.2 No. 213
<b>Environment</b>	EN 50082-2, EN 55011, EN 61000-6-2, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6
<b>WEEE Category</b>	IT and telecommunications equipment