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® 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
Reverse Polarity Protection	Yes
Short Circuit Protection	Yes

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General

Isolation	TRUE
Maximum Installation Altitude (m)	up to 2 000 m
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
Dual Usage	No
Export Control Classification Number (ECCN)	5A991.b.1

Physical Features

Connectors / Input / Output	1x D-sub 9-pin female, 2xRJ45
Contains Battery	No

EtherNet/IP Features

EtherNet/IP Mode	Adapter / Slave
EtherNet/IP Supported Functionality	Preinstalled Add On Profile in Studio 5000 Logix Designer; Daisy Chainging
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

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Modbus-RTU Features

Modbus-RTU Supported Functionality	RS-232; RS-422; RS485; DF1; Standard Modbus RTU Master; Custom Request / Responce commands; Custom Produce / Consume transactions; Trigger initated 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
Modbus-RTU Input Data Size	512 bytes
Modbus-RTU Output Data Size	512 bytes

Serial Features

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

Certifications and Standards

Protection Class IP	IP20
RoHS Compliant	Yes
Recycle / Disposal	TRUE
CE	Yes
FCC	No
UL	Yes
UL Information	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
EMC	Yes
Environment	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
Waste Certification (WEEE)	Yes

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Certifications and Standards

WEEE Category	IT and telecommunications equipment