

## Anybus EtherNet/IP to Modbus-TCP Linking Device

Item number: HMS-EN2MB-R

The Anybus EtherNet/IP to Modbus TCP Linking Device converts Modbus TCP to EtherNet/IP, enabling you to connect any Modbus TCP device to a Logix PLC control system. The linking device presents Modbus TCP 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.

#### ✓ 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.

#### ✓ Life cycle management

HMS maintains every part of the Linking Devices, including network updates, throughout the product's lifecycle.

#### ✓ 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.



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## General

Net Width (mm)	35
Net Height (mm)	110
Net Depth (mm)	101
Net Weight (g)	155
Packed Width (mm)	14
Packed Height (mm)	6
Packed Depth (mm)	17
Packed Weight (g)	305
Operating Temperature °C Min	-25
Operating Temperature °C Max	60
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Current Consumption Type Value at Vcc Nom (mA)	150mA @ 24V DC
Current Consumption Max value at Vcc nom (mA)	300mA @ 24V DC
Input Voltage (V)	24V DC (-15% to +20%)
Power Connector	3-pin, 5.08 Phoenix plug connector
Isolation	TRUE
Mounting	DIN-rail (EN 50022 standard)
Housing Materials	Plastic



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## General

Packaging Material	Cardboard
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## Identification and Status

Product ID	HMS-EN2MB-R
Country of Origin	Sweden
HS Code	8517620000
Export Control Classification Number (ECCN)	5A991.b.1

## Physical Features

Connectors / Input / Output	2xRJ45, 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
EtherNet/IP Configuration File	EDS available
EtherNet/IP Bandwidth	10/100MBit
EtherNet/IP Input Data Size	4000 bytes over 10 connections
EtherNet/IP Output Data Size	4000 bytes over 10 connections

## Modbus-TCP Features

Modbus-TCP Mode	Master / Client
Modbus-TCP Supported Functionality	Modbus specification V1.1B; Endian Conversion (Byte swap); LiveList; ControlStatus
Modbus-TCP No. Of Servers	64 transactions
Modbus-TCP Functions Supported	1, 2, 3, 4, 5, 6, 15, 16, 23
Modbus-TCP Bandwidth	10/100 Mbit/s down to 10ms
Modbus-TCP Input Data Size	4000 bytes
Modbus-TCP Output Data Size	4000 bytes



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## Certifications and Standards

Protection Class IP	IP20
Recycle / Disposal	TRUE
UL Information	E214107: Ord.Loc UL 61010-1, UL 61010-2-201, CSA C22.2 NO. 61010-1-12, CSA C22.2 NO. 61010-2-201:14; E203225: Haz.Loc CL I DIV2 GP A,B,C,D T4, ANSI/ISA 12.12.01, ANSI/ISA 12.12.01
ATEX Information	II 3 G Ex nA IIC T4 Gc, EN IEC 60079-0; EN 60079-15
Environment	EN 61000-6-4, EN 55016-2-3 Class A, EN 61000-6-2, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6
WEEE Category	IT and telecommunications equipment