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® 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
Reverse Polarity Protection	Yes
Short Circuit Protection	Yes
Isolation	TRUE

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General

Mounting	DIN-rail (EN 50022 standard)
Housing Materials	Plastic
Packaging Material	Cardboard

Identification and Status

Product ID	HMS-EN2MB-R
Country of Origin	Sweden
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	5A991.b.1

Physical Features

Connectors / Input / Output	2xRJ45, 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
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

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Modbus-TCP Features

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

Certifications and Standards

Protection Class IP	IP20
RoHS Compliant	Yes
Recycle / Disposal	TRUE
CE	Yes
FCC	No
UL	Yes
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
EMC	Yes
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
Waste Certification (WEEE)	Yes
WEEE Category	IT and telecommunications equipment