EtherNet/IP to Modbus TCP Linking Device

MINIMIZE COSTS WHEN CONNECTING MODBUS-TCP NETWORKS/DEVICES TO CONTROLLOGIX® OR COMPACTLOGIX® CONTROLLERS WITH AN ETHERNET/IP INTERFACE.

FAST COPYING I/O DATA (BIG DATA SUPPORT)

The Linking Device primary function is with the fast transfer of large I/O data between the two networks. This offloads your Logix PLC from working with additional calculations. The Linking Device acts as a slave (adapter) on EtherNet/IP and as a powerful client (master), on the Modbus-TCP network, handling up to 8 KB of I/O data. The data transmission between the two networks is completely transparent.

SEAMLESS INTEGRATION WITH STUDIO 5000

With its unique Studio 5000® Logix designer integration, everything is accessible from within Studio 5000, including Modbus-TCP network configuration. No extra 3rd-party software or licenses needed.

CONNECT, CONFIGURE, DONE

EtherNet/IP Linking Devices are configured using a Custom Add-On Profile for Studio 5000 Logix Designer which dynamically generates data structures based on the configuration. No ladder logic files (add on instructions) needed.

Furthermore, it also supports automatic generation of named and structured Studio 5000 controller tags, which eliminates the need to create alias tags.

FEATURES & BENEFITS

- Minimize costs when connecting Modbus-TCP devices to your PLC. More cost-efficient than an in-chassis solution
- Allows support for "Big Data" - handling up to 8 KB of I/O data over multiple I/O connections on EtherNet/IP
- Speed up configuration through a seamless integration with Studio 5000 Logix Designer
- Compatible with all ControlLogix and CompactLogix PLC's supporting EtherNet/IP
- Easy to setup with Custom Add-On Profile with no programming required!
- Everything configured through Studio 5000, no 3rd party software or licenses needed
- Dynamically generates data structures in Studio 5000 with no required user logic
- Supports automatic generation of named and structured Studio 5000 controller tags
- Configuration backup in Studio 5000 project and Controller memory

TECHNICAL SPECIFICATIONS

Dimensions (L•W•H)	110 x 35 x 101mm or 4,33 x 1,38 x 3,98"	
Weight	160 g, 0,35 lb	

Operating temperature	-25 to +70 °C or -13 to +158 °F	
Storage temperature	-40 to +85 °C or -40 to +185 °F	
Power supply	24 VDC +/- 20%	
Current consumption	Typical 150 mA @ 24 V	
Enclosure material	PC ABS, UL94 VO	
Installation position	Vertical	
Galvanic isolation	YES, on both BUS/Ethernet side	
Mechanical rating	IP20, NEMA rating 1	
Mounting	DIN-rail (EN 50022 standard) or Wall mount	
Modbus-TCP baudrate	10/100 Mbit/s autodetect	
Modbus-TCP connector	2x RJ45	
Modbus-TCP address	Any valid IP address can be used	
EtherNet/IP baudrate	10/100 Mbit/s autodetect	
EtherNet/IP connector	2x RJ45	
EtherNet/IP address	Any valid IP address can be used	
TCP/IP settings	Configurable via BOOTP-DHCP server or via Anybus IP config	
SD Memory Card slot	YES, enabling easy module replacement	
Certifications	ODVA, CE, $_C$UL$_{US}$, ATEX/Haz.Loc	

HOW TO CONFIGURE

How to connect a Rockwell PLC (EtherNet/IP) and a Modbus-TCP device

ORDERING INFORMATION

Purchasing instructions and terms and conditions: → How to buy

Order Code	HMS-EN2MB-R
Included components	HMS-EN2MB-R Linking Device, Installation guide, (Power supply not included)
Guarantee	3 years