

Modbus Serial to TCP Converter with Digital I/O and 2-Port Switch

EGW1-IA3-MB-2ETH



Industrial Model

The **EGW1-IA3-MB-2ETH** module is a Modbus Serial to Modbus TCP converter designed to integrate any industrial equipment with MODBUS RS232/485/422 communication into Ethernet TCP/IP networks.

A key feature of this device is the inclusion of a **built-in 2-Port Ethernet Switch** and digital inputs/outputs, setting it apart from similar devices. This feature provides a complete and self-contained solution for control applications, eliminating the need for additional modules and simplifying system infrastructure.

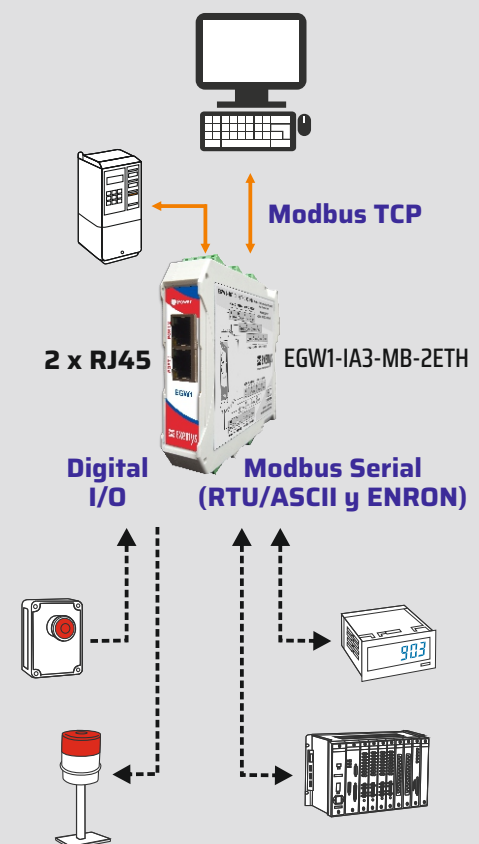
GENERAL FEATURES

- **Built-in 2-Port Ethernet Switch**
- Supports Modbus TCP, Modbus Serial RTU/ASCII, and ENRON protocols
- Up to 16 simultaneous Modbus TCP connections
- RS232/485/422 port selectable via software, up to 115 Kbps
- 10 Digital I/Os controllable via Modbus
- Installation and configuration via Web Browser, Telnet, or Serial Port
- Software for discovering Exemys devices on the network
- Industrial-Grade Design:
 - DIN rail mounting, flame-retardant industrial enclosure
 - Removable industrial terminal blocks
 - Wide power supply range: +10 to +30 Vdc

APPLICATIONS

- PLC and SCADA Systems
- Industrial Automation and Home Automation
- Remote Monitoring Systems
- Access Control and Security Systems
- Energy Network Management
- Water and Waste Management Systems
- Environmental Control
- Smart Lighting Systems
- HVAC Management
- Industrial Process Control
- Refrigeration System Monitoring
- Solar Energy System Management

Modbus Serial to TCP Conversion



Protocols supported

- Modbus RTU/ASCII
- Modbus TCP
- Modbus ENRON

For pricing or any further information, please contact Omni Instruments Ltd.



Measurement and data acquisition solutions

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TECHNICAL SPECIFICATIONS

• Network Protocols:	Modbus TCP / IP / IP, DNS, http, DHCP, ICMP, ARP, SNMP.
• Network Interface:	2 x Ethernet Port, 10/100 BaseT, RJ45 connector.
• Serial Protocols:	Modbus RTU / Modbus ASCII / Transparent
• Serial Interface:	Up to 4 RS232/RS485 serial ports in pluggable terminal blocks.
• Devices Supported:	Any device with Modbus RTU, ASCII y TCP
• Management:	HTTP Server, password protected. RS-232 Serial console
• System Firmware:	From WEB site
• Indicators:	Status Led, Data/Link Led.
• Dimension:	100 mm x 22,5 mm x 112 mm (H x W x L).
• Power supply:	10 a 30 [Vdc].
• Consumption:	70 mA at +12Vdc / 40 mA at +24Vdc
• Temperature:	Operating temperature: 23 to 149 °F (-15 to 65 °C). Storage temperature: -40 to 167 °F (-40 to 75 °C).
• Guarantee / Support:	1-year guarantee. Technical support included.



ORDERING CODES

PART n°	DETAILS
EGW1-4B0-00-2ETH-IA3-MB	4 Serial Ports RS232/RS485, 2 Ethernet Ports
EGW1-1C0-00-2ETH-IA3-MB-IS	1 Serial Port RS232/RS485/RS422 Isolated, 2 Ethernet Ports

Whilst every effort has been made to ensure the accuracy of this specification, we cannot accept responsibility for damage, injury, loss or expense from errors or omissions. In the interest of technical improvement, this specification may be altered without notice.

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