

# 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.

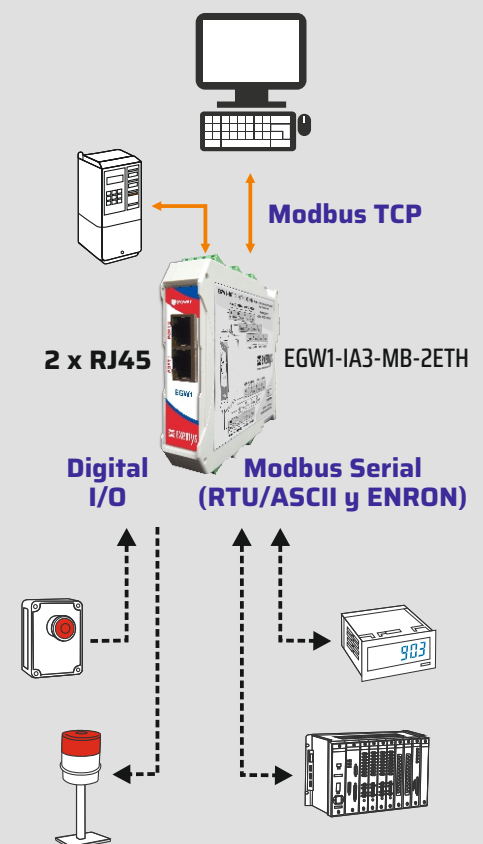
## GENERAL FEATURES

- **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

## TECHNICAL SPECIFICATIONS

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



GESTION DE LA CALIDAD

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Acreditado por OAA

IRAM-ISO 9001:2015



### Exemys Headquarters

Av. Juan B. Justo 4054, C1416DJU, CABA

Argentina

Tel: (+5411) 4585-7585

Whatsapp: (+54 9 11) 4585-7585

E-mail: info@exemys.com