

# Serial Modbus Converter to Modbus TCP with Digital I / O's

EGW1-IA3-MB



The EGW1-MB module is a device used to connect any industrial equipment with MODBUS RS232 / 485/422 communication, to An Ethernet TCP / IP network.

It also has its own digital inputs and outputs. This Characteristic makes it different from similar devices, since it provides An integrated solution for control applications without the need to

## ★ FEATURES

- Modbus TCP, ASCII, RTU Protocols.
- Modbus Master or Slave.
- Up to 16 Connections Modbus TCP Simultaneously.
- Selection of RS232/485/422 by software, up to 115 Kbps.
- Digital I/O's controlled by Modbus.
- Install and set up via serial, Telnet or a Web Browser
- Software for searching Exemys devices on the network.
- DIN Rail mounting, temperature-resistant Industrial Case.
- Industrial terminal blocks.
- Wide range power supply 10 to 30 Vdc.

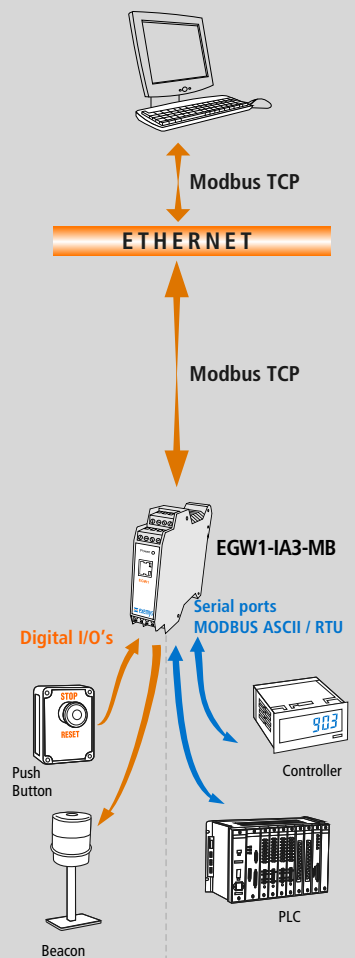
## ✓ APPLICATIONS

- PLC and SCADA systems.
- Industrial Automation and Domotics.
- Remote monitoring systems.
- Access control and security systems.



The EGW1-IA3-MB module is A protocol converter Modbus Serial (ASCII or RTU) To Modbus TCP

### Serial Modbus to TCP



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



## TECHNICAL FEATURES

|                               |                                                                                                           |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|
| • <b>Network Protocols:</b>   | Modbus TCP / IP / IP, DNS, http, DHCP, ICMP, ARP, SNMP.                                                   |
| • <b>Network Interface:</b>   | Ethernet 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>         | 12 Vdc 70 [mA] / 24 Vdc 40 [mA].                                                                          |
| • <b>Temperature:</b>         | Operating temperature: 23 to 149 °F (-15 to 65 °C).<br>Storage temperature: -40 to 167 °F (-40 to 75 °C). |
| • <b>Guarantee / Support:</b> | 1-year guarantee. Technical support included.                                                             |



## ORDERING INFORMATION

| PART NUMBER            | OBSERVATIONS                                                                                  |
|------------------------|-----------------------------------------------------------------------------------------------|
| EGW1-4B0-00-IA3-MB     | 4 RS232/RS485 Ports configurables                                                             |
| EGW1-1C0-00-IA3-MB-IS  | 1 RS232/RS485 port configurable isolated / RS422 isolated                                     |
| EGW1-1C0-10C-IA3-MB-IS | 1 RS232/RS485 port configurable isolated / RS422 isolated +<br>10 Digital I / O configurables |
| EGW1-4B0-00-IA3-MB-PMS | 4 RS232/RS485 Ports configurables / CUSTOM FIRMWARE                                           |

SISTEMA DE GESTIÓN ISO 9001:2008



GESTION  
DE LA CALIDAD

RI-9000-6174

Acreditado por OAA



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



Measurement and data acquisition solutions

### Contact Details:

Tel: +44 1382 443000

Email: [info@omni.uk.com](mailto:info@omni.uk.com)

Website: [www.omniinstruments.co.uk](http://www.omniinstruments.co.uk)

### Mailing Address:

Unit 1, 14 Nobel Road,

Wester Gourd Industrial Estate,

Dundee, DD2 4UH.