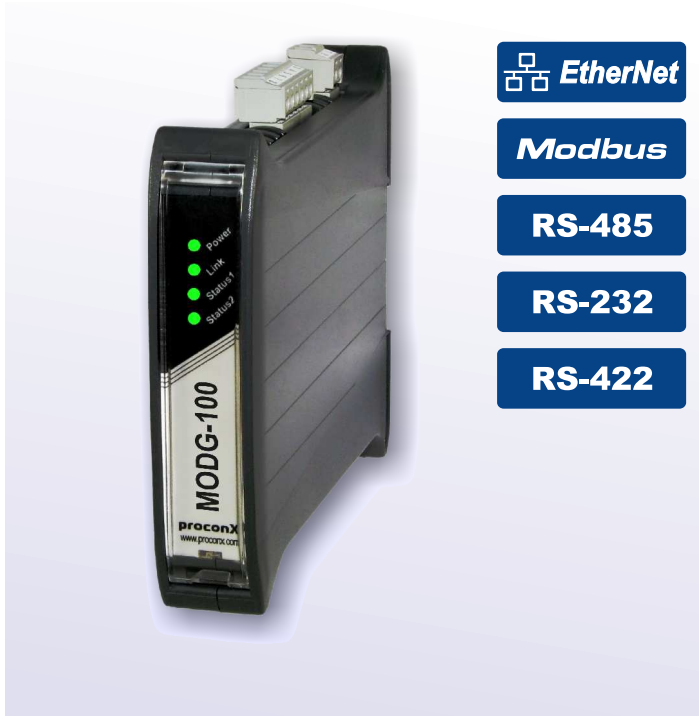


MODG-100 / MODG-102

Modbus/TCP gateways



MODG-100 and **MODG-102** are a single and dual port Modbus/TCP to Modbus RTU gateways. The MODG-100 features one serial port which can be configured as either RS-232, RS-485 or RS-422 layer. The MODG-102 features two serial ports which can be configured as either RS-232 or RS-485 layer or by combining the two ports as a single RS-422 link. Both gateways have an Ethernet port and can be mounted on a DIN rail.

Usage and configuration of the gateway is simple and conveniently performed using a web browser which connects to the embedded web server.

Possible areas of application are:

- PLC connection
- SCADA integration
- Operator panel interfacing
- Remote control & monitoring
- HMIs
- Data logging

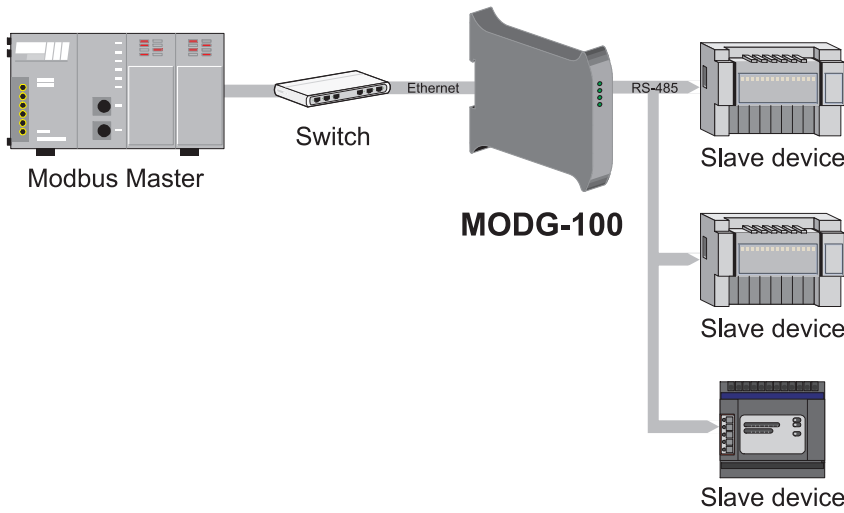
Features

- Modbus/TCP (Ethernet)
- Modbus RTU
- Modbus ASCII
- RS-232, RS-485 or RS-422 layers, software configurable
- Embedded web server for easy configuration and commissioning using a web browser
- Firmware upgradeable via Ethernet

MODG-100



Usage

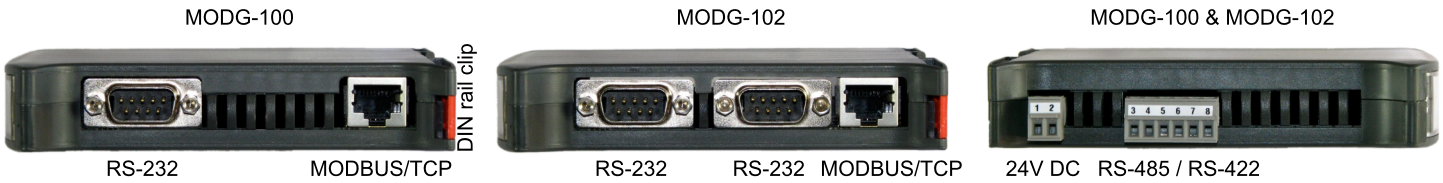


Order Information

| Model number | Configuration |
|--------------|---|
| MODG-100 | Gateway with Ethernet, 1 serial port RS-232, RS-485 or RS-422, DIN rail enclosure |
| MODG-102 | Gateway with Ethernet, 2 serial ports RS-232 or RS-485 or 1 port RS-422, DIN rail enclosure |



Connections



Specifications

| MODG-100 | MODG-102 |
|--|---|
| <ul style="list-style-type: none"> 1 Ethernet 1 Serial port: RS-232, RS-485 or RS-422 | <ul style="list-style-type: none"> 1 Ethernet 2 Serial ports: 2 x RS-232 or 2 x RS-485 or 1 x RS-232 + 1 x RS-485 or 1 x RS-422 |
| Serial Port 1 <ul style="list-style-type: none"> • Modbus RTU • Modbus ASCII | Serial Port 2 <ul style="list-style-type: none"> • Modbus RTU • Modbus ASCII |
| RS-485/RS-422 <ul style="list-style-type: none"> • EIA-485-A, 2-wire or 4-wire • 300-115200 bps • Up to 32 nodes | RS-485 <ul style="list-style-type: none"> • EIA-485-A, 2-wire • 300-115200 bps • Up to 32 nodes |
| RS-232 <ul style="list-style-type: none"> • EIA-232-F DTE • DE9M with EIA-574 pinout • RXD, TXD, RTS, CTS, DTR, DSR, DCD, RI signals • 300-115200 bps | RS-232 <ul style="list-style-type: none"> • EIA-232-F DTE • DE9M with EIA-574 pinout • RXD, TXD signals • 300-115200 bps |

| |
|---|
| Ethernet port <ul style="list-style-type: none"> • Modbus/TCP Slave, 4 (MODG-100) or 8 (MODG-102) concurrent connections • IP, TCP, HTTP, ARP, TFTP • IEEE 802.3i 10BASE-T • 1.5 kV galvanic isolation |
| User interface <ul style="list-style-type: none"> • Power, Ethernet and Communication Status LEDs • Web browser interface for Monitoring & Configuration |
| Power requirements <ul style="list-style-type: none"> • 10-30 V DC, 750 mW • 30 mA typical @ 24 V DC |
| High availability <ul style="list-style-type: none"> • Watchdog supervision • Brown-out detection |

| |
|---|
| Electromagnetic compatibility <ul style="list-style-type: none"> • Emissions CISPR 22/EN 55022 (Class A) • Immunity EN55024 • Electrostatic discharge EN61000-4-2 • Radiated RF EN61000-4-3 • Fast transients EN61000-4-4 • Conducted RF EN61000-4-6 |
| Environment <ul style="list-style-type: none"> • 0° to 60 °C / 32 to 140 °F operating • -25° to 80 °C / -13 to 185 °F storage • 10 to 95% humidity, non-condensing |
| Form factor / enclosure <ul style="list-style-type: none"> • Self-extinguishing PC/ABS (UL 94-V0) • 35 mm DIN rail mountable • IP 20 / NEMA Type 1 • Convection cooling • 101 x 22.5 x 120 mm / 3.98 x 0.886 x 4.72 in • 0.12 kg / 0.265 lbs |
| Compliance <ul style="list-style-type: none"> • C-Tick • CE, RoHS • FCC Part 15 (Class A) • ICES-003 (Class A) |

www.proconX.com
 mail@proconx.com
 Tel +61-3376 3911

