

MGW102-2D(RS232)/1TX

2 x RS232 To Ethernet(10/100M) Modbus Gateway



Introduction

MGW102-2D(RS-232) is an industrial Ethernet Modbus gateway that converts between Modbus TCP and Modbus RTU/ASCII protocols. It provides 2 port RS-232 serial (RJ45) and 1 port 10/100M Ethernet. Modbus TCP, Modbus RTU and Modbus ASCII protocol are integrated in the products, users can easily realize the seamless integration of Modbus Ethernet devices and Modbus serial devices and even multi master and slave hybrid networks. At the same time, the user can be set up by Web or Telnet. The simple design can not only realize the fast application, but also guarantee the application of the entire real industrial environment. The products using EMC protection design, can work in rugged environment.

1. Support Modbus TCP, Modbus RTU, Modbus ASCII, IP, ARP, DHCP and DNS protocol

2.Support 1 port 10/100M Ethernet

3.Support 2 Port RS-232

- 4.Support WEB and Telnet configuration
- 5.Convert between Modbus TCP and Modbus RTU/ASCII
- 6.Support RTU Slave, RTU Master, ASCII Slave, ASCII Master four operating modes

7.Support ID mapping function, to achieve the management of the host ID

- 8.300bps~115200bps baud rate and nonblocking communication
- 9.Support IP address and MAC address filtering function
- 10.Slave mode support 16 TCP master connections
- 11.Master mode support 32 slave TCP connection requests
- 12.Support Response Timeout and Interval Timeout setting
- 13.Support cross-gateway and cross-router communication
- 14.IP30 protection grade, metal shell, wall mounted installation
- 15.No fan, low consumption design
- 16.Working temperature: -40~75℃

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Specification Ethernet port

Standard: 10Base-T, 100Base-TX Protocol: Support Modbus TCP, Modbus RTU, Modbus ASCII, IP, APR, ICMP, DNS and DHCP Signal: Rx+, Rx-, Tx+, Tx-Speed: 10/100Mbps Working: Full-duplex and half duplex Transfer distance: 100m Connector: RJ45 Serial port Serial port number: 2 port RS-232 RS-232 signal: TXD, RXD, RTS, CTS, GND Parity bit: None, Even, Odd, Space, Mark Data bit; 7bit, 8bit Stop bit: 1bit, 2bit Baud rate: 300bps~115200bps RS-232 transfer distance: no more than 15m RS-232 connector: RJ45 Master mode: 32 TCP slaves Slave mode: 16 TCP masters Work mode: RTU Slave, RTU Master, ASCII Slave, and ASCII Master LED Indicator Power (PWR) Ethernet port connect status (Link) Serial port data indicator: TX, RX **Power requirements** Input voltage: 9~48VDC No-load consumption: 0.79W@9VDC Full-load consumption: 0.86W@9VDC **Environment limits** Working temperature: -40~75℃ Storage temperature: -40~85°C Relative humidity: 5%~95% (non-condensing) Mechanical Shell: IP30 protection, metal shell Installation: Wall mounting Weight: 230g Size (L×W×H): 100mm×69mm×22mm Standard EMI: EN 55022 Class A, FCC Part 15 Subpart B Class A EMS: EN 61000-4-2 (ESD), Level 3 Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32

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Vibration: IEC 60068-2-6

Warranty

Warranty time: 3 years

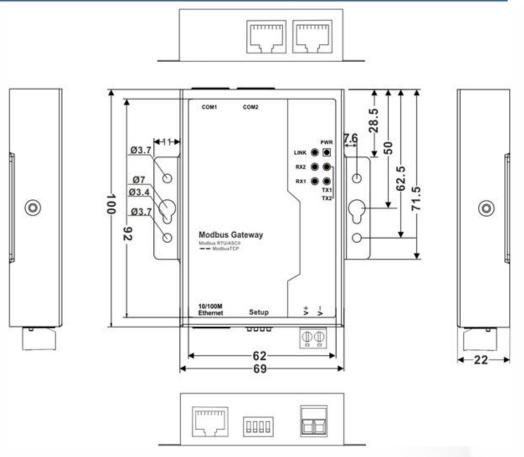
Certificates

CE, FCC, RoHS, UL508 (pending)

Optional accessories:

DIN-Rail Mounting Kit (35mm) ×1

Dimension



Order Information

MGW102-

Ports PS

Ports

2D(RS232)/1TX = 2 x RS232 Port, 1 x 10/100BASE-TX RJ45 Port

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PS: Power Supply

L1 = $9 \sim 48$ VDC, single power input

Example Order Codes

MGW102-2D(RS232)/1TX-L1

2 x RS232 Port, 1 x 10/100BASE-TX RJ45 Port,9~48VDC,single power input