

Modbus RTU to Modbus TCP Gateway



The Modbus Wi-Fi / Ethernet / Serial Gateway, GW211W-MB provides an easy to deploy device to send Modbus serial data communications over a packet network such as Ethernet or TCP/IP on a hard-wired network or via WiFi. The Modbus Gateway works with standard Modbus Slave devices, such as PLCs, IoT Sensors, Energy meters (AMRs), Solar Inverters, Wind Turbines, IO Modules, Flow Meters and more. The Modbus Gateway is built for use in light industrial environments and features a compact wall-mount design. It operates from 9-32VDC power supply voltages with terminal block connectors and each Modbus Gateway is easily configure through its web GUI interface.

Features

- TCP to RTU support 8 simultaneous TCP Master
- RTU to TCP support 8 TCP Slaves on each port
- Software support :
 - TCP to RTU Slaves, RTU to TCP Slaves
 - TCP to ASCII Slaves, ASCII to TCP Slaves
- Supports 802.11b/g/n and Ethernet, 2 IPs
- Web browser configuration
- Easy installation Windows utility
- On line F/W upgrade
- Watch Dog Function

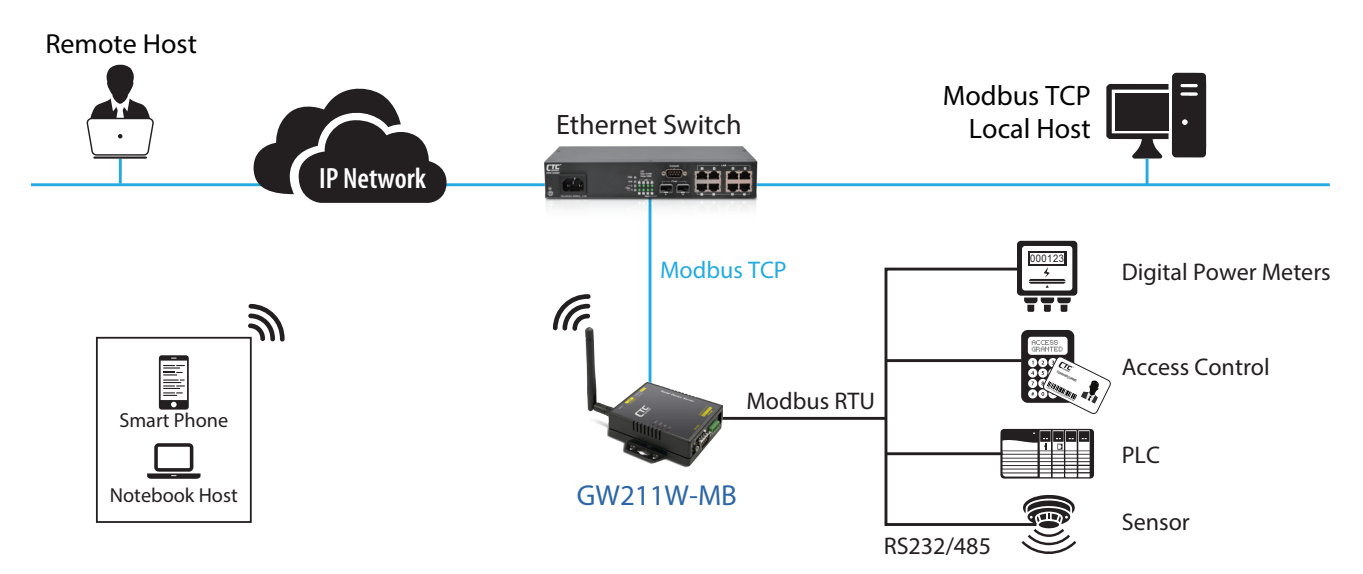
Specifications

| | | |
|-----------------|--------------------------|---|
| Ethernet | Port Type | RJ-45 Connector |
| | Speed | 10/100 M bps (Auto Detecting) |
| | Protocol | ARP, IP, ICMP, UDP, TCP, HTTP, DHCP, DNS, NTP |
| | Mode | Modbus TCP |
| | Setup | HTTP Browser Setup (IE, Chrome, Firefox) |
| | Security | Setup Password |
| | Protection | Built-in 1.5KV Magnetic Isolation |
| | | |
| Serial Ports *2 | Port | RS-232*1 |
| | Port | RS-422 / 485*1 (Surge Protect) |
| | Speed | 300 bps ~ 921.6 K bps |
| | Parity | None, Odd, Even |
| | Data Bit | 5, 6, 7, 8 |
| | Stop Bit | 1, 2 |
| | RS-232 Pins | Rx , Tx , GND |
| | RS-422 | Rx+, Rx-, Tx+, Tx- (Surge Protect) |
| | RS-485 | Data+, Data- (Surge Protect) |
| | 15KV ESD for all signals | |

Modbus Gateway

| | | |
|-----------------------|---|--|
| WiFi | Standard | 802.11b/g/n |
| | Data Rate | 11/54/72.2 Mbps @ 20Mhz Band Width |
| | Modulation | DSSS, OFDM |
| | Frequency | 2.4GHz |
| | Tx Power 11b | Max. 22dBm |
| | Tx Power 11g/n | Max. 19dBm |
| | Rx Sensitivity | -76dBm@54Mbps, -89.5dBm@11Mbps |
| | Tx Rate | Max. 54Mbps with auto fallback |
| | Tx Distance | Up to 100 Meters |
| | Security | WEP 64-bit / 128-bit data encryption, WPA / WPA2 |
| | Antenna | 2 dBi, RP-SMA connector |
| | Network Mode | Infrastructure, Soft AP (for Setup) |
| LED | SYS, WiFi, RX, TX, LAN | |
| Power | DC 9~32V, supports DC Jack & Terminal Input | |
| Power Consumption | 2W | |
| MTBF | 60,000 hours (MIL-HDBK-217) | |
| Mechanical | Dimensions | 110 × 90 × 26 mm (W×D×H) |
| | Weight | 110g |
| | Housing | Plastic |
| Installation Mounting | Wall Mounting | |
| Environment | Operating Temperature | -20℃ ~ 70℃ |
| | Storage Temperature | -25℃ ~ 80℃ |
| Certification | FCC, CE | |

Application



Ordering Information

| Model Name | Description |
|------------|---|
| GW211W-MB | 1 × RS232, 1 × RS422/485 Modbus RTU to Modbus TCP Wireless Gateway with Power Adapter |