

Modbus to MQTT Gateway



The MQTT Wi-Fi / Ethernet / Serial Gateway, GW211W-MQ provides an easy to deploy device to send RS-232/RS-485 Serial Modbus RTU Data communications to MQTT TCP networks on hard-wired Ethernet or over wireless WiFi networks. The MQTT Gateway works with standard Modbus Slave device, such as PLCs, IoT Sensors, Energy meters (AMRs), Solar Inverters, Wind Turbines, IO Modules, Flow Meters and more. The MQTT 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 is easy to configure through its web GUI interface.

Features

- Supports Modbus RTU to MQTT
- Supports 802.11b/g/n and Ethernet, 2 IPs
- Supports 32 Topics, register length adjustable
- Supports to query 4 remote TCP devices
- Easy MQTT settings by web browser configuration
- Easy installation with Windows IP utility
- On line F/W upgrade
- Watch Dog Function

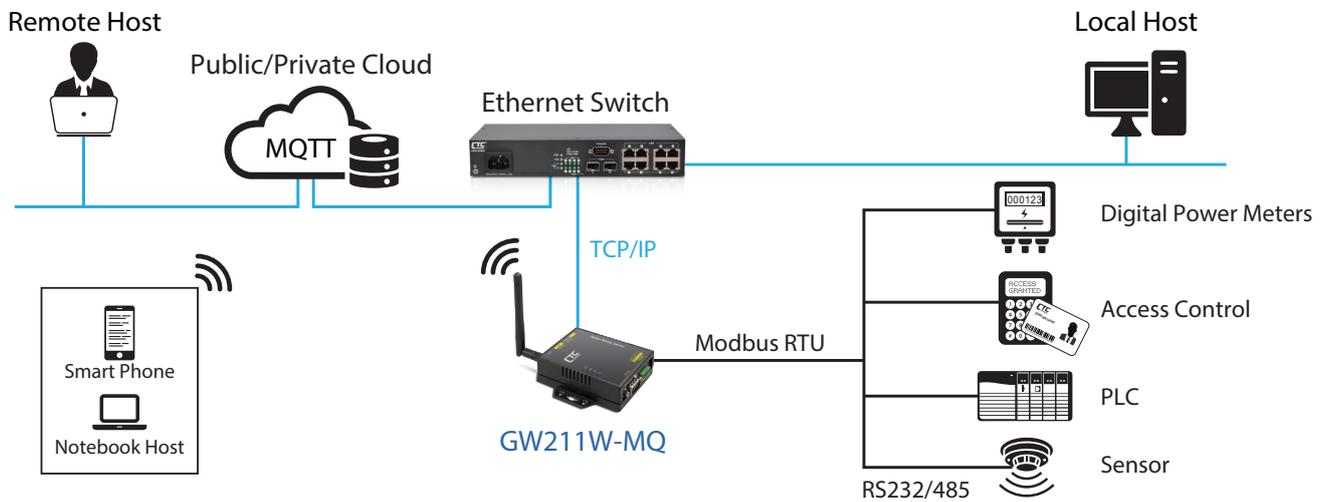
Specifications

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
Port		RS-422 / 485 (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°C ~ 70°C	
	Storage Temperature	-25°C ~ 80°C	
Certification	FCC, CE		

Application



Ordering Information

Model Name	Description
GW211W-MQ	1 × RS232, 1 × RS422/485 Modbus to MQTT Wireless Gateway with Power Adapter