

# Stride MQTT Gateway



## Features

- Convert Modbus RTU/TCP to MQTT
- IIoT MQTT protocol with SSL/TLS
- Configurable via web page
- Hardware watchdog function
- Full electrical isolation
- Add this to your MQTT cloud, compatible with AWS, Mosquitto and more
- Wired or Wi-Fi models available



## Stride MQTT Gateway Models

Part Number	Ethernet	RS-485	WiFi	Price
<b>SGW-MQ1611</b>	✓	✓		\$275.00
<b>SGW-MQ1611-WF</b>	✓	✓	✓	\$279.00

## Ethernet Specifications

<b>Connector</b>	RJ-45
<b>Ethernet Port Speed</b>	10/100Mbps auto-detected
<b>Protocol</b>	MQTT, Modbus TCP
<b>Simultaneous Ethernet Connections</b>	8

## RS-485 Specifications

<b>Connector</b>	Removable screw terminals, 5.08 mm pitch
<b>Baud rate</b>	Up to 115.2 kbps
<b>Parity</b>	Even, odd or none
<b>Stop bit</b>	1 or 2
<b>Number of Serial Devices</b>	32 max.
<b>Switching Time TX/RX (RS-485)</b>	150µs
<b>Termination Resistance</b>	120Ω

## WiFi Specifications (Model SGW-MQ1611-WF Only)

<b>WiFi Standards</b>	802.11 a/b/g/n/ac
<b>Frequency Bands</b>	2.4/5.5 GHz
<b>Antenna</b>	Internal

## Network Ports

<b>Web User Interface: HTTP (Unsecure)</b>	80
<b>Modbus</b>	502 (default, software configurable)
<b>MQTT</b>	Software configurable, determined by MQTT Broker



RoHS



RoHS Compliant

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Electrical Specifications	
<b>Power Supply Connector</b>	Removable screw terminals, 5.08 mm pitch
<b>Input Voltage Range</b>	10–30 VDC
<b>Current Consumption</b>	max 300mA @ 24VDC
<b>Isolation</b>	
<b>Power Supply / RS-485</b>	1500VAC, 50Hz, 1 min.
<b>Ethernet / RS-485</b>	1000VAC, 50Hz, 1 min.
<b>Ethernet / Power Supply</b>	1500VAC, 50Hz, 1 min.
<b>Reverse Polarity Protection</b>	Yes

Environmental Specifications	
<b>Operating Temperature</b>	0 to +60°C [32 to 140°F]
<b>Storage Temperature</b>	-20 to +70°C [-4 to +158°F]
<b>Humidity</b>	0–90%, noncondensing
<b>Maximum Altitude</b>	2000m
<b>IP Rating</b>	IP20
<b>Installation</b>	Indoor
<b>Category of Installation</b>	II
<b>Pollution Degree</b>	2
<b>EMC</b>	
<b>Immunity</b>	EN61000-6-2
<b>Emission</b>	EN61000-6-4
<b>Agency Approvals</b>	CE, FCC, RoHS

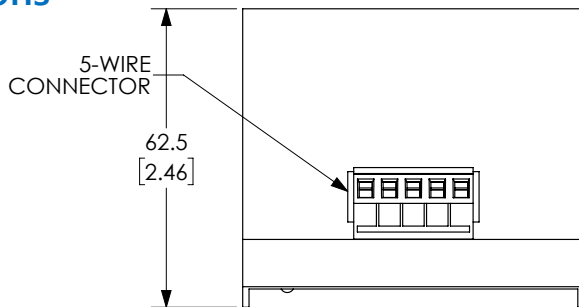
Mechanical Specifications	
<b>Material</b>	Self-extinguishing plastic
<b>Mounting</b>	35mm DIN rail (EN50022 and EN50035)
<b>Weight</b>	Approximately 200g



**NOTE:** Installation of the Wi-Fi model in a metal cabinet is not recommended, as the cabinet may block the Wi-Fi signal.

## Dimensions

mm [inches]



See our website: [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete engineering drawings.

