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*
SGW-MQ1611	✓	✓		$275.00
SGW-MQ1611-WF	✓	✓	✓	$279.00

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

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

WiFi Specifications (Model SGW-MQ1611-WF Only)	
WiFi Standards	802.11 a/b/g/n/ac
Frequency Bands	2.4/5.5 GHz
Antenna	Internal

Network Ports	
Web User Interface: HTTP (Unsecure)	80
Modbus	502 (default, software configurable)
MQTT	Software configurable, determined by MQTT Broker

RoHS Compliant

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

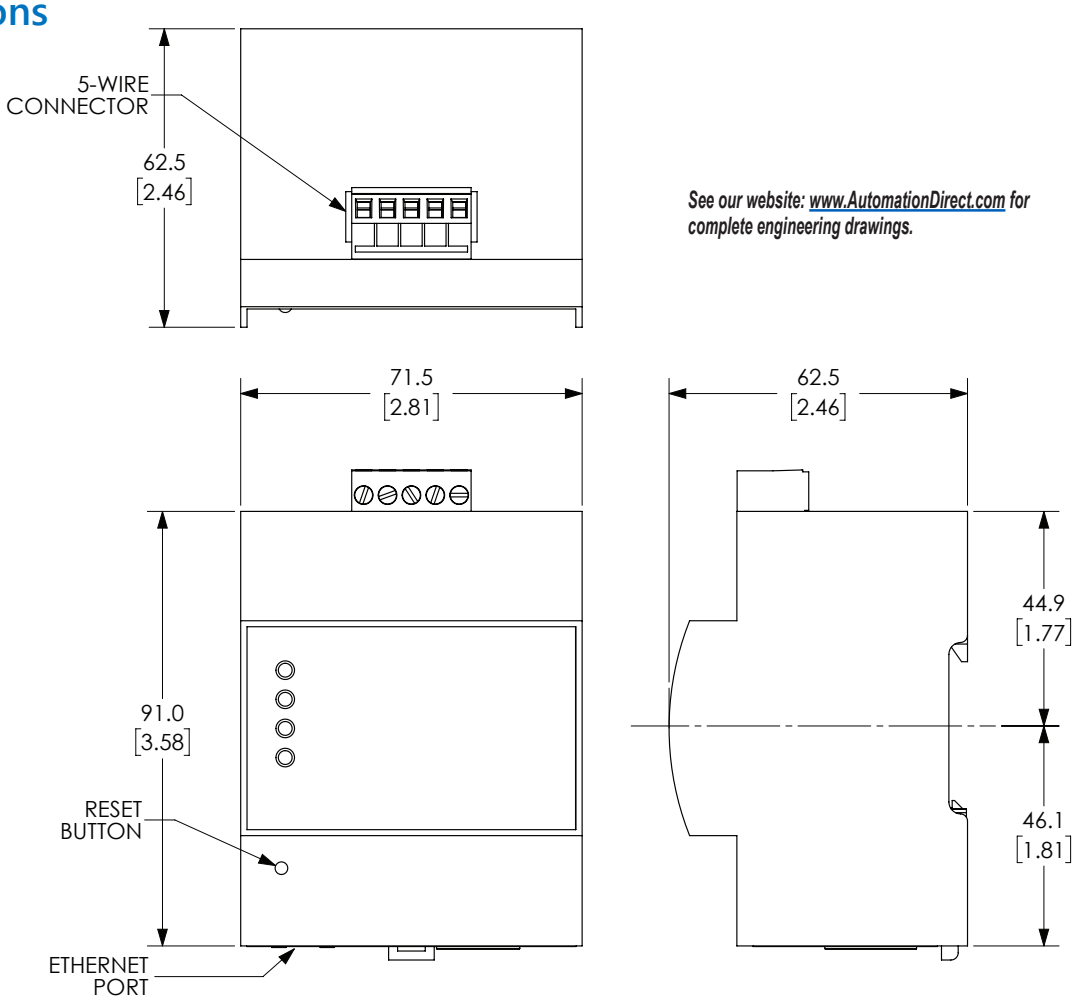
Environmental Specifications	
Operating Temperature	0 to +60°C [32 to 140°F]
Storage Temperature	−20 to +70°C [−4 to +158°F]
Humidity	0–90%, noncondensing
Maximum Altitude	2000m
IP Rating	IP20
Installation	Indoor
Category of Installation	II
Pollution Degree	2
EMC	
Immunity	EN61000-6-2
Emission	EN61000-6-4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

Mechanical Specifications	
Material	Self-extinguishing plastic
Mounting	35mm DIN rail (EN50022 and EN50035)
Weight	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 for complete engineering drawings.