

Smart Wireless Transceiver



General Description

SGW - 902 is a high-performance device designed to bridge industrial networks, seamlessly connecting wired and wireless systems with each other. Ideal for monitoring and managing various field devices, this gateway enables real-time data exchange between various field devices, optimizing operational efficiency. With its robust design and secure communication channels, this Smart Wireless Transceiver meets the demands of modern industrial applications.

Features

- No restrictions of range of communication as the devices communicate over Internet
- Wireless Wi-Fi connectivity
- Modbus RTU/Modbus TCP as standard input
- Optional Analog and Digital I/O available
- Customizable to suit specific requirements
- Device Configuration menu page access over Wi-Fi on local smartphones/PCs

Applications

- Industrial Automation
- Building Automation
- Smart Agriculture and Irrigation Systems
- Industry 4.0 applications
- Smart Cities

Architecture

The device seamlessly integrates with a wide range of devices, including PLCs, transmitters, pumps, actuators, and various field instruments, through the Modbus RTU. Data from these devices is sent and received by transceivers via MQTT, enabling real-time monitoring and analysis. Optional Analog and Digital I/Os can be added for interfacing devices which do not support Modbus.

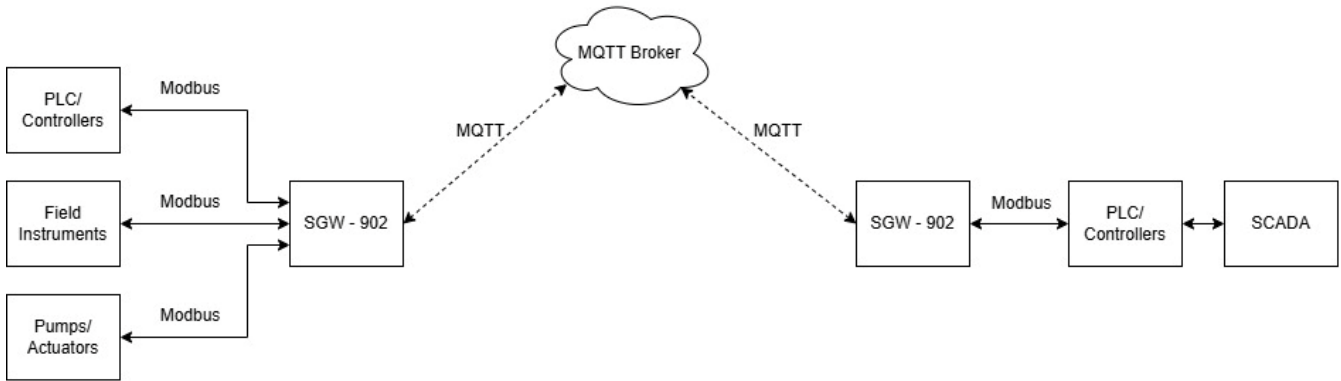
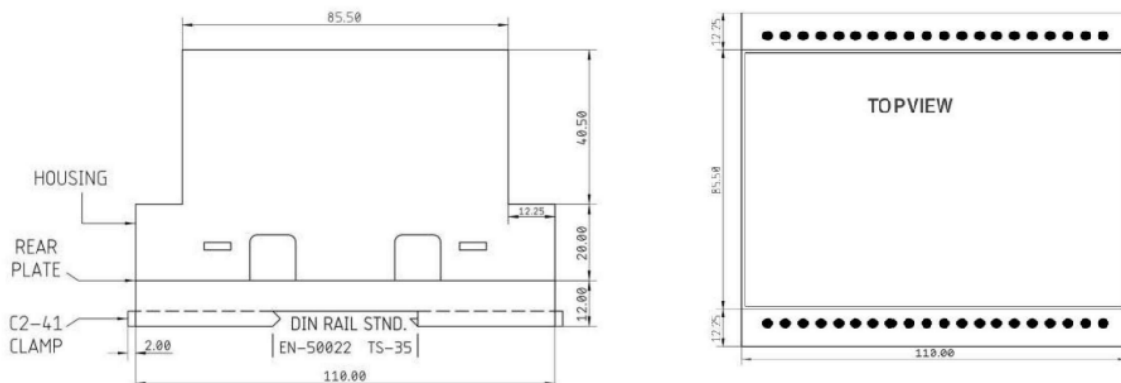


Fig.1 System Architecture

Technical Specifications

Data Interface	Modbus RTU/ Modbus TCP (Optional add on Analog and Digital I/O)
Communication Interface	MQTT
Connectivity	2.4 GHz Wi-Fi
Material	Engineering Plastic
Power supply	24 V DC +/- 10%
Operating temperature	-20°C to 70°C
Degree of protection	IP-44
Mounting	DIN Rail

Dimensions



Note:

- Due to continuous improvement, specifications are subject to change without prior notice.
- A complete, end-to-end, customized IoT solution, along with the device, is available. Please contact us for any type of support, including project-specific customization.



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