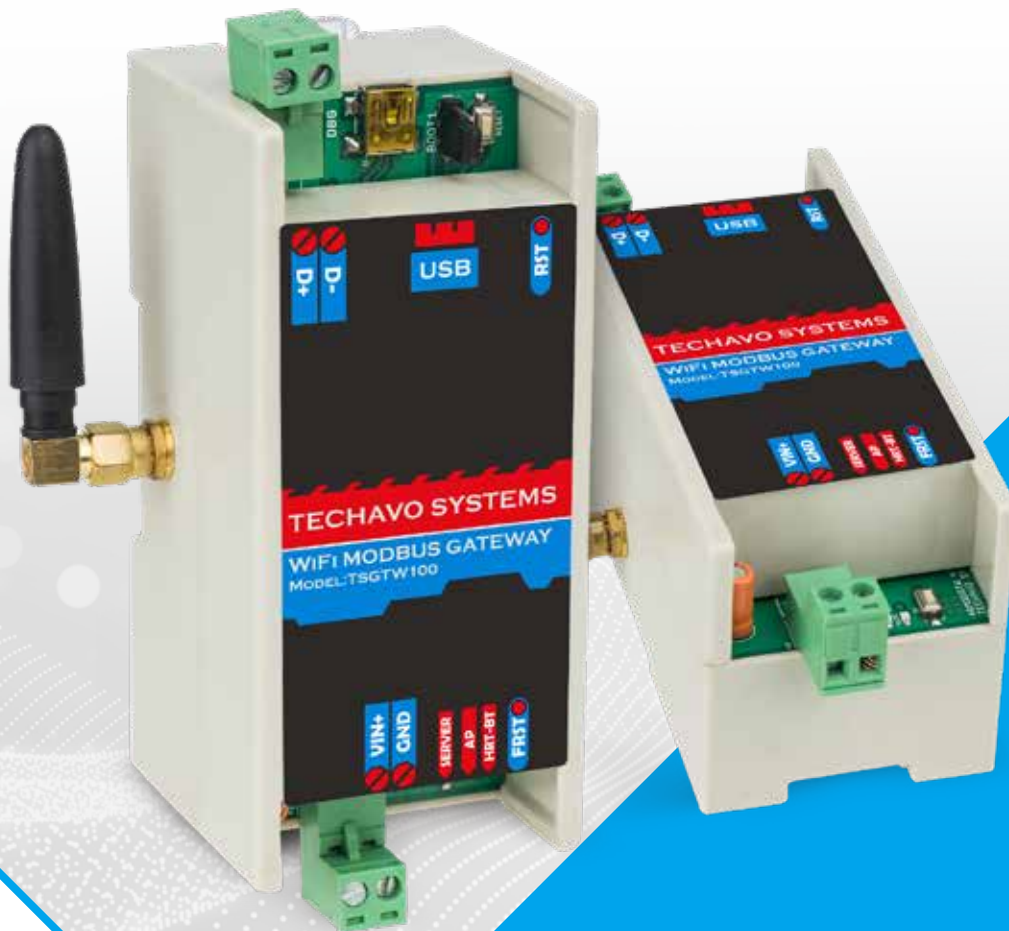


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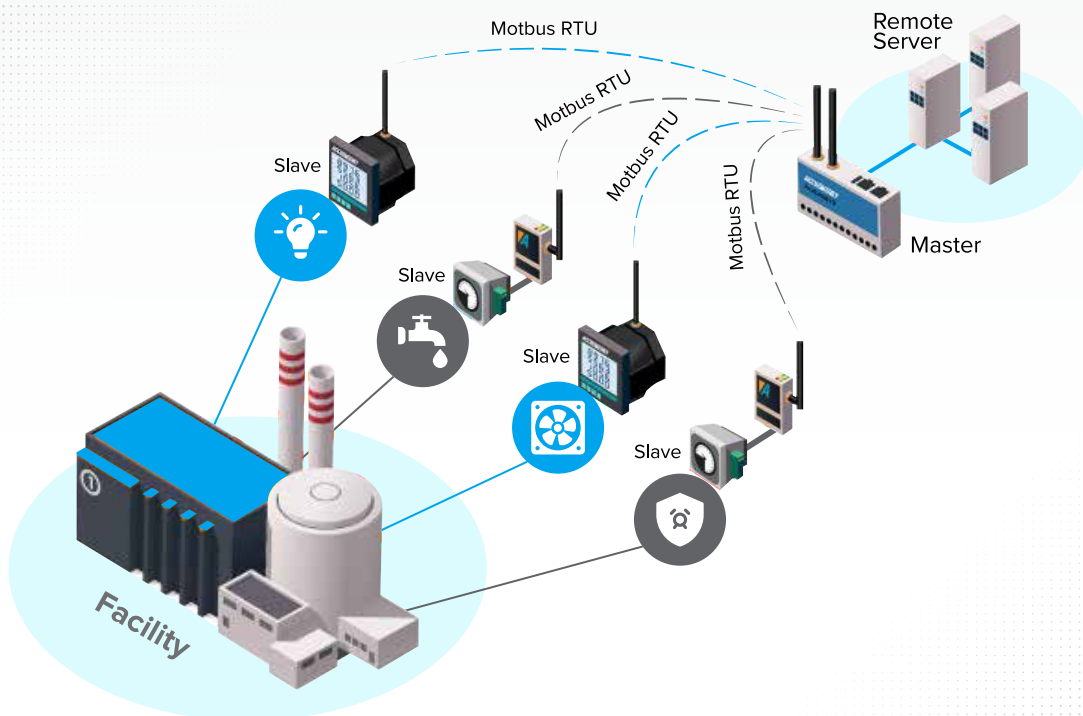
# WIFI MODBUS GATEWAY:

Connect Your Legacy  
Devices to the Cloud



# PRODUCT OVERVIEW

The **WiFi Modbus Gateway** is an industrial-grade IoT communication bridge that connects legacy Modbus-based devices to modern IP networks using WiFi. Designed for both **transparent (pass-through)** and **polling-based** operation, it supports a wide range of industrial protocols including **MQTTs, Modbus TCP, HTTP, and FTP** — enabling seamless integration with cloud, SCADA, and analytics platforms.

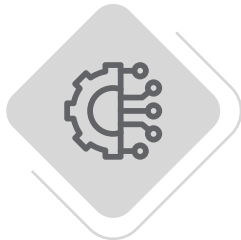


# KEY FEATURES



## WiFi Connectivity:

Reliable and secure 2.4GHz WiFi support for long-range wireless communication.



## Modbus RTU to TCP Bridge:

Supports **Modbus RTU (RS485)** to **Modbus TCP/IP** translation and tunneling.



## Dual Operation Modes:

- **Transparent Mode:** Raw pass-through from Modbus Serial to TCP/WiFi.
- **Polling Mode:** Internal register polling, buffering, and pushing over TCP/MQTT/HTTP.



## Multiple Protocol Support:

- **MQTTS** (TLS-secured MQTT) for cloud-based telemetry
- **HTTP** for RESTful API integration
- **FTP** for file-based log uploads
- **Modbus** TCP for industrial controllers and SCADA systems



## Secure Communication:

- SSL/TLS support for MQTT over SSL
- Configurable certificate-based authentication
- Optional basic auth for HTTP endpoints



## Local & Remote Configuration:

- Embedded web server for configuration
- Supports OTA firmware updates via HTTP or FTP



## Flexible Data Logging:

- Push data to MQTT/HTTP endpoints periodically or on change
- Store logs locally for FTP upload



## Industrial Design

- Wide voltage input range (9-30V DC)
- DIN-rail mountable compact enclosure
- Watchdog-protected operation for mission-critical deployments.



# USE CASES



**Remote  
Monitoring of  
Modbus  
Devices**



**Factory  
Automation  
Systems**



**SCADA  
Integration for  
Legacy  
Systems**



**Cloud-  
Connected  
Sensors and  
PLCs**



**Smart Grid  
and Energy  
Monitoring**



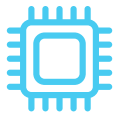
**Water  
Treatment and  
Utility Plants**

# TECHNICAL SPECIFICATIONS

Feature:	Specification:
01 WiFi Support	802.11 b/g/n (2.4GHz)
02 Serial Ports	RS485 (Modbus RTU)
03 Protocol Support	Modbus RTU, Modbus TCP, MQTTS, HTTP, FTP
04 Operation Modes	Transparent / Polling
05 Security	SSL/TLS for MQTTS and HTTPS
06 MQTT Features	QoS 0/1/2, Will, Retain, JSON Payloads
07 Web Interface	Local configuration via Web UI
08 OTA Updates	Via HTTP / FTP
09 Power Supply	9-30V DC
10 Mounting	DIN Rail / Panel Mount
11 Enclosure	IP30, Industrial ABS / Metal Option
12 Certifications	RoHS, CE (upon request)

# NEED CUSTOMIZATION?

## Customization Options:



Custom  
Protocol  
Integration



White-labeled  
Web UI



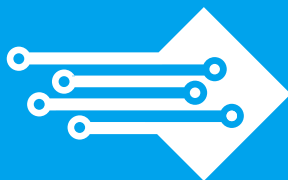
Hardware with  
Cellular, Ethernet,  
or LoRaWAN

CONTACT US

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