WIMAN WT710 — Wi-Fi LITE Gateway

Intelligent RS485 / LoRa to Wi-Fi Gateway | Industrial IoT Series

PRODUCT OVERVIEW

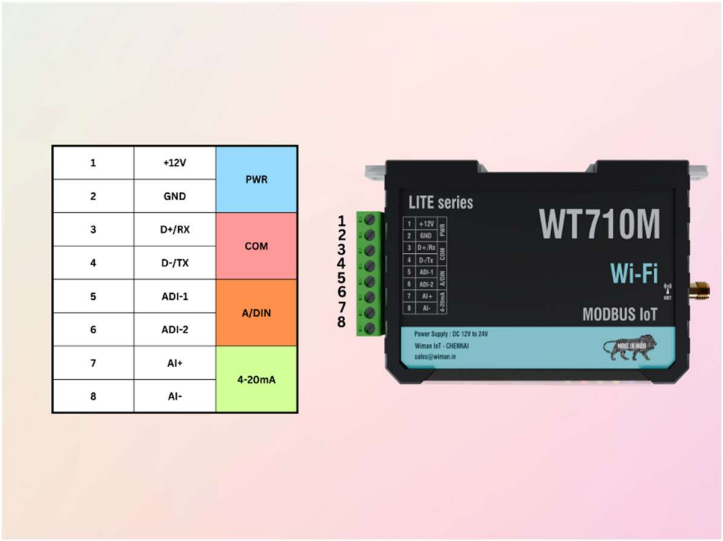
The Wiman Wi-Fi Gateway Series is an intelligent RS485/TCP Modbus/IO/LoRa to Wi-Fi gateway that seamlessly connects field devices to cloud platforms. It eliminates complex protocol handling and enables reliable two-way connectivity. The gateway supports single or multiple Modbus slaves with configurable polling intervals and transmission via TCP, HTTP, and MQTT. With built-in smart Wi-Fi redundancy and an inbuilt data logger, it ensures zero packet loss — data is stored locally during outages and auto-synced on reconnection.

KEY FEATURES

- ✓ RS485 / TCP / IO with Data Logger
- ✓ Up to 17,500 Logs Per Server
- ✓ Reads up to 1800 Modbus Words
- ✓ SSL Security for 4G
- ✓ Scheduled / Event / Offline Polling
- ✓ Time-Based, Query-Based & Offline Polling
- ✓ Supports 32 Modbus Slaves
- ✓ TCP / HTTP / MQTT Communication
- ✓ JSON / CSV Configurable Formats
- ✓ Edge Triggers: Relay / Modbus Write

TARGET APPLICATIONS

- ✓ Smart Metering & Utility Monitoring
- ✓ Power Monitoring & Control
- ✓ Industrial Automation (PLC, Industry 4.0)
- ✓ Temperature Monitoring & Alerts
- ✓ Pump & Flow Control Systems
- ✓ SCADA, Solar & Wind Monitoring
- ✓ Centralized Monitoring Systems



Din Rail Model

© 2026 Wiman Communication Technologies. All rights reserved.

PIN CONFIGURATION

Pin	Label	Type	Purpose
1	+12V	Input	DC Power +12V to +24V
2	GND	Input	Power Ground
3	D+/TX	Communication	RS485 Positive / TX
4	D-/RX	Communication	RS485 Negative / RX
5	ADI-2	Analog/Digital	Configurable Input
6	ADI-1	Analog/Digital	Configurable Input
7	AI+	4–20 mA+	Current Input +
8	AI–	4–20 mA−	Current Input – (GND)

GENERAL SPECIFICATIONS

Connector (Lite)	Micro-Fit 5.0 — 8 Pin
Connector (PRO)	Micro-Fit 5.0 — 12 Pin
Dimensions	100 × 85 × 24 mm
Weight	160 g
Voltage	12–24 V DC
Temperature	−30 °C to +85 °C
DIN Rail (L×W×H)	122.86 × 105.66 × 74.46 mm

GENERAL COMMUNICATION

TX Protocol	TCP / HTTP / MQTT (Configurable)
HTTP Methods	GET / POST (Configurable)
Format	JSON / CSV (Configurable)
Config	Serial / IP Utility / Web / Server CMD
Polling	RS485 RTU Modbus / TCP Modbus Master
OTA Updates	IP Utility / Web Config / IP Commands
LoRa	Inbuilt LoRa – Wireless RS485

SERIAL SPECIFICATION

Standard	RS485 (Optional: TTL / RS232)
Config Port	Type-C USB
Baud Rates	2400 / 4800 / 9600 / 19200 38400 / 57600 / 115200 bps

INTERFACES

Power Supply	12–24 V DC (Reverse Polarity Protection)
Inputs	2× 0–24V ADI | 2× Digital | 1× 4–20mA
Output	1× Relay Output
LED	Power, IP, Modbus Status
RS485	Multi-Slave Connection
USB	Type-C (Config Utility)

© 2026 Wiman Communication Technologies. All rights reserved.