WIMAN WT470M — 4G + WIFI MAX Gateway

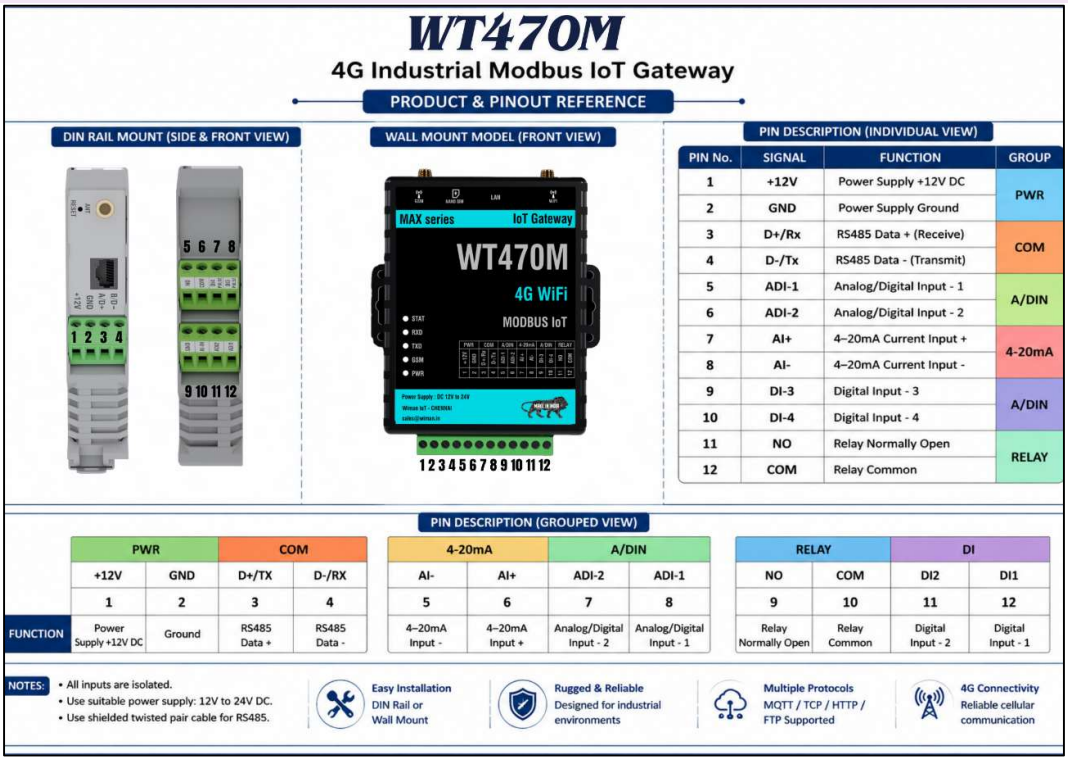
Dual-Network Industrial IoT Gateway | 4G LTE + Ethernet + Wi-Fi | MAX Series

PRODUCT OVERVIEW

The Wiman MAX Series Gateway delivers robust and secure IoT connectivity for industrial and utility applications. Designed to support RTU/TCP Modbus, Digital/Analog IO, and LoRa nodes, it enables seamless data transmission over 4G LTE, LAN (Ethernet), and Wi-Fi networks simultaneously. With dual-server communication, data is transmitted to two servers concurrently — ensuring redundancy and uninterrupted operation.

KEY FEATURES

- RS485 / TCP Modbus / IO with Data Logger
- Up to 17,500 Logs per Server
- Read up to 3000 Modbus Registers (Dynamic)
- Data Logging During Network/Server Outage
- SSL Security with Multiple Protection Options
- Flexible Polling (Schedule/Query/DI/Offline)
- SMS Config, Alerts & Remote Control
- Server Transaction Monitoring (Tx/Rx, Time)
- Dual Server Logging (64 MB + 64 MB)
- Supports up to 64 Slaves (RS485 + TCP Combined)
- Transparent / JSON Modbus Read/Write
- TCP / HTTP / MQTT (GET/POST Support)
- Custom JSON Packet Formatting
- Edge Trigger: Relay Control & Modbus Write
- Local Console — Dual Server Packet Tracing
- Inbuilt Modbus Poll/Scanner Utility



© 2026 Wiman Communication Technologies. All rights reserved.

TARGET APPLICATIONS

- Smart Metering & Utilities
- Power Monitoring & Control
- PLC Automation & Industry 4.0
- Temperature Monitoring & Alerts
- Pump Control & Flow Measurement
- SCADA, Solar & Wind Monitoring
- ATM, Cold Storage, Home Automation

GSM / LTE BAND SUPPORT

Network Type	Region	Bands
LTE FDD (4G)	Asia	B1 / B3 / B5 / B8
LTE FDD (4G)	Europe	B1 / B3 / B5 / B7 / B8 / B20 / B28
LTE TDD (4G)	Asia	B34 / B38 / B39 / B40 / B41
LTE TDD (4G)	Europe	B38 / B40 / B41
GSM (2G)	Asia	B3 / B8
GSM (2G)	Europe	B2 / B3 / B5 / B8
BANDWIDTH	Asia	1.4/3/5/10/15/20 MHz
BANDWIDTH	Europe	1.4/3/5/10/15/20 MHz
SIM INTERFACE	INTERNAL	1.8V & 3V

ETHERNET SPECIFICATION

Band	Single Stream in 2.4 GHz ISM Band
Protocols	DHCP, DNS, TCP/IP (IPv4), UDP, HTTP, HTTPS
Security	IEEE 802.11 WEP, WPA, WPA2 Security
Wi-Fi Certification	b, g, n
Authentication	WPA™, WPA2™ – Enterprise, Personal

SERIAL SPECIFICATION

Interface	RS232 / RS485
Baud Rates	2400 / 4800 / 9600 / 19200 / 38400 / 57600 / 115200 bps
Data Bits	7 / 8 bits
Parity	None / Even / Odd

GENERAL COMMUNICATION

TX Protocol	TCP / HTTP / MQTT — 4G with SSL / LAN without SSL
HTTP Methods	Configurable GET / POST
Format	Configurable JSON / CSV
Device Config	SMS / PC Utility / FTP / Server IP Commands
RS485 Modes	Transparent / Modbus Polling (RS232 optional)
OTA Updates	FTP / HFS / TCP Utility / SMS / IP Command

PIN CONFIGURATION (DIN Rail & Wall Mount)

DIN	FM	Section	Label	Type	Purpose
1	1	Power	**+12V**	Input	DC Power +12V to +24V
2	2	Power	**GND**	Input	Power Ground
3	3	COM	**D+/TX**	Comm	RS485 Positive / TX
4	4	COM	**D-/RX**	Comm	RS485 Negative / RX
5	8	4–20 mA	**AI–**	Analog	Current Input –
6	7	4–20 mA	**AI+**	Analog	Current Input +
7	6	ADI	**ADI-2**	Analog/Digital	Configurable Input
8	5	ADI	**ADI-1**	Analog/Digital	Configurable Input
9	11	Relay	**NO**	Output	Normally Open Contact
10	12	Relay	**COM**	Output	Relay Common
11	9	DI	**DI3**	Digital/Pulse	Digital Input
12	10	DI	**DI4**	Digital/Pulse	Digital Input

INTERFACES

Power Supply	12–24 V DC (Reverse Polarity Protection)
Analog/Dig. In	2× (0–24V) Analog/Digital Voltage Input
Digital Input	2× (0–24V) Pure Digital Input
Current Input	1× (4–20mA) Current Input
Relay Output	1× Relay Output
LED Indicators	Power / GSM / Modbus Communication Status
RS485 Port	Multiple Modbus Slave Device Connection
USB Port	Type-C — PC Utility Configuration
Antenna	External GSM Antenna

GENERAL SPECIFICATIONS

Connector (LITE)	Micro-Fit 5.0 — 8 Pin (2 Power / 2 Modbus / 3 IO)
Connector (PRO/LPRO)	Micro-Fit 5.0 — 12 Pin (2 Power / 2 Modbus / 8 IO)
DIN Rail (L×W×H)	113.65 × 98.54 × 22.60 mm
Wall Mount (L×W×H)	100 × 85 × 24 mm
Weight	130 g
Operating Voltage	12–24 V DC
Temperature	–30 °C to +85 °C

Wiman Communication Tehnologies | www.wiman.in | support@wiman.in

© 2026 Wiman Communication Technologies. All rights reserved.