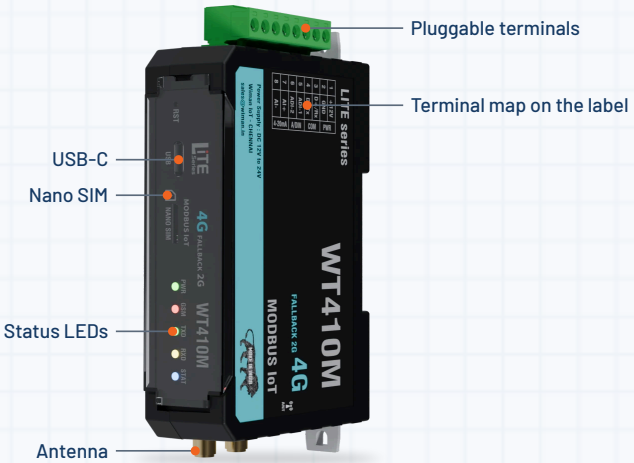
Wiman

WIMAN IOT GATEWAY
**Product catalogue**

# 4G Gateways

## LITE and PRO series

Connect Modbus meters, PLCs and sensors wherever there is mobile coverage. The gateway reads them, keeps the data through network outages and delivers it to your server or cloud platform.




One housing for DIN rail or wall




DIN-rail housing (DM)




Wall-mount housing (FM)

## LITE WT410DM

For one panel or a small site, reporting to one server.

| 32 | 1,800 | 1 |
|---|---|---|
| Modbus devices | registers read | server |

- 2 configurable inputs and a 4–20 mA input
- Up to 17,500 logs kept through outages
- 8 pluggable terminals

## PRO WT400M

For larger sites: two servers at once and more devices.

| 64 | 3,000 | 2 |
|---|---|---|
| Modbus devices | registers read | servers at once |

- 3 inputs, two 4–20 mA inputs and a relay output
- Up to 17,500 logs per server, 64 MB + 64 MB
- 12 pluggable terminals

## What both series do

**Work on 4G, fall back to 2G**
LTE with 2G fallback; Asia and Europe band variants.

**Keep data through outages**
Readings are stored and sent once the network returns.

**Your server, your format**
TCP, HTTP or MQTT with SSL; JSON or CSV payloads.

**Read and write Modbus**
Scheduled, event or offline polling; remote writes.

**Configured from anywhere**
By SMS or server command; on site over USB-C.

**Updated over the air**
New firmware without a site visit.

## Where they work

- Smart meter reading
- Power monitoring
- PLCs and automation
- Pump and flow monitoring
- Water and remote telemetry
- Solar, wind and SCADA
- Temperature and alarms
- Cold storage and buildings

**Wiman IoT Technologies Pvt Ltd**
No. 59, 5th Street, Narasingapuram, Maduvangarai,
Guindy, Chennai 600032, India

info@wimaniot.in
www.wimaniot.in

# LITE or PRO, side by side

A row across both columns is the same on both gateways; a split row shows where they differ.

| | LITE WT410DM | PRO WT400M |
|---|---|---|
| **CELLULAR** | | |
| **Network** | 4G LTE with 2G fallback · nano SIM inside (1.8 V / 3 V) · external antenna | |
| **Bands, Asia variant** | LTE-FDD B1/B3/B5/B8 · LTE-TDD B34/B38/B39/B40/B41 · GSM B3/B8 | |
| **Bands, Europe variant** | LTE-FDD B1/B3/B5/B7/B8/B20/B28 · LTE-TDD B38/B40/B41 · GSM B2/B3/B5/B8 | |
| **SERVERS AND DATA** | | |
| **Servers** | One | Two at once, each with its own packet format |
| **Protocols and format** | TCP, HTTP (GET / POST) or MQTT, with TLS on the primary server link · JSON or CSV payloads | |
| **Data logger** | Up to 17,500 logs | Up to 17,500 logs per server, 64 MB + 64 MB |
| **Polling** | Scheduled, event-driven and offline | |
| **MODBUS** | | |
| **Serial port** | RS-485 / RS-232 · 2,400 to 115,200 bps · 8 data bits · parity none, even or odd | |
| **Devices** | Up to 32 (RS-485) | Up to 64 (RS-485) |
| **Registers read** | Up to 1,800 words | Up to 3,000 words |
| **Writes from the server** | Raw Modbus frames (transparent) or JSON commands | |
| **INPUTS AND OUTPUTS** | | |
| **Configurable inputs** | 2 × 0–24 V: analog, digital or pulse (ADI-1, ADI-2) | 1 × 0–24 V: analog or digital (ADI-1) |
| **Digital inputs** | – | 2 × 0–24 V: digital or pulse (DI-3, DI-4) |
| **Current inputs** | 1 × 4–20 mA | 2 × 4–20 mA (CH1, CH2) |
| **Relay output** | – | 1 × NO / COM |
| **Edge triggers** | – | Relay, Modbus write or SMS alert |
| **SERVICE, POWER AND HOUSING** | | |
| **Configuration** | SMS or server commands; PC utility over USB-C · firmware updates over the air | |
| **Monitoring** | Local console for packets · LEDs PWR, GSM, TXD, RXD, STAT | |
| **Supply** | 12–24 V DC, reverse-polarity protected | |
| **Terminals** | 8, pluggable | 12, pluggable |
| **Mounting** | One device for DIN rail or wall | DIN-rail (DM) or wall-mount (FM) housing |

## Terminals

**LITE WT410DM**
DIN rail or wall

| POWER | | SERIAL | | INPUTS | | 4–20 MA | |
|---|---|---|---|---|---|---|---|
| +12–24V | GND | D+/Rx | D−/Tx | ADI-1 | ADI-2 | AI+ | AI− |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

**PRO WT400M**
Wall-mount housing (FM)

| POWER | | SERIAL | | INPUT | 4–20 MA | | | INPUTS | | RELAY | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| +12–24V | GND | D+/Rx | D−/Tx | ADI-1 | CH2 | CH1 | AI− | DI-3 | DI-4 | NO | COM |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

**PRO WT400M**
DIN-rail housing (DM)

| POWER | | SERIAL | | 4–20 MA | | | INPUT | RELAY | | INPUTS | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| +12–24V | GND | D+/Rx | D−/Tx | AI− | CH1 | CH2 | ADI-1 | NO | COM | DI-3 | DI-4 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

AI− is the 4–20 mA return and is joined to GND; on the PRO it serves both channels, and CH1 is the AI+ terminal. The two PRO housings number their terminals differently; the label on each gateway shows its own order.

**Wiman IoT Technologies Pvt Ltd**
No. 59, 5th Street, Narasingapuram, Maduvangarai, Guindy, Chennai 600032, India
info@wimaniot.in · www.wimaniot.in

Specifications may change without notice.
Wiring, commands and settings: see the user manuals.