

## FEATURES

- MODBUS RS485 – RTU INPUT
- SUPPORT ALL 2G/3G/4G SIM CARDS
- SUPPORT LATEST MQTT / HTTP PROTOCOL
- CONFIGURABLE MODBUS AND CLOUD SETTINGS
- CONFIGURABLE VIA SMS & MQTT COMMANDS
- EASY INTEGRATION WITH ANY MQTT ENABLED CLOUD
- INBUILT RTC FOR ACCURATE TIME STAMPS
- SMART WATCHDOG FOR 24X7 OPERATION
- CONFIGURABLE USER SETTINGS FOR MODBUS RTU
- BUFFER MEMORY TO STORE THE DATA WHEN DEVICE IS NOT CONNECTED TO NETWORK

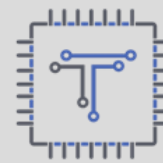


## ABOUT DEVICE

4G IOT Gateway is used to fetch data from any MODBUS-RTU enabled equipment such as Flow Meter, Energy Meter, PLC etc. Gateway reads the MODBUS data as per the user configured MODBUS Transactions and send this data to cloud via MQTT/HTTP protocol. Multiple register addresses can be read as per the need and the data is sent to cloud in a standard JSON packet format. The MQTT publish/subscribe and HTTP POST/GET requests are supported by the device. The device can be configured remotely via SMS or MQTT based commands for easy integration. Device can read data out of multiple MODBUS slave devices at a time. In case of network failure device logs the data into its internal memory. Once the network restores the buffered data is sent to cloud. Easy configuration and compact size of device makes it a perfect choice for IOT applications

## APPLICATIONS

- Flow Meter Data Logging
- Air Quality / Ambient room Monitoring
- Remote Monitoring Applications
- Energy Meter Monitoring
- Solar Inverter Monitoring
- IIOT & Industry 4.0 Applications



## SPECIFICATIONS

Sr. No.	Parameter	Specification
1	Input Supply	12-24V 2A DC ADAPTOR (Included)
2	Port	MODBUS RS485 A+ / B-
3	GSM	4G (B1, B3, B5, B8, B34, B38, B39, B40, B41) 2G (900, 1800)
4	Antenna	3 Meter Cable, Long range Magnetic antenna (Included)
4	Dimensions	70 X 77 X 33 mm
5	SIM Type	2G/ 4G Mini Size (Original SIM size)
6	Terminal	Removable Screw terminal
7	Analog Input	4-20mA (Single channel 12 Bit Precision)

## COMMON QUESTIONS

### 1. What is Included in the box?

**Box includes:** 4G IOT Gateway, 12V 2A Adaptor Power Supply, 3-Meter-long cable antenna and screw driver

### 2. Which SIM Card is Required?

Any SIM card which is 2G/3G/4G compatible like (Jio, VI, Airtel or BSNL) or M2M (postpaid IOT SIM)

### 3. Which Protocol is Supported?

Unit Support Modbus RS485, RTU protocol. The protocol configurations such as Baud rate, Parity, Stop Bit can be set remotely.

### 4. How to Configure the Unit Remotely?

Unit can either be configured by sending SMS commands or via MQTT subscription topic. Once the device is connected to your MQTT broker, you can use any MQTT client to fire configuration commands.

### 5. What is the Warranty Period for the Unit?

Unit comes with 1 Year Manufacturer Warranty

### 6. How to buy the unit?

Unit can be bought from our official E-commerce store or directly from our authorized distributor

