MAX Series

IoT

Modbus IoT Gateway

TCP/Http/MQTT - SSL

GPRS

inbuilt

OTA Modbus DATALOGGER

4G LTE

LoRa

Remotely Configurable / Upgradable

WiFi

Wiman MAX Series Gateways play's smart, on which RTU/TCP Modbus/IO and LoRa Nodes to 4G, LAN and Wi-Fi on Different combinations for event transmission, Primary and Secondary Options to avoid Connectivity issues. Expand your Data communication over wireless networks by Wiman IoT Gateway with Secure and two-way communication. Device Supports Multiple Protocols, which you can Choose TCP/Http/MQTT for your Cloud Platform, to enable more secure SSL options and upload Device/Server certificates. Limitless features like Scheduling for Polling, time Based, IO Based, Offline Log based, and Query based – These features will help to avoid dumping of data, which we can filter device itself. All the Parameter are remotely configurable via PC Utility or FTP or SMS or Server IP Commands. Not required to have the device during configurations. Our generic device can able to read from any Standard Modbus RS485/TCP Modbus based Slave devices. Edge features will help to avoid dumping packets at server end, Inbuilt Logger enable during Network/Server Disconnection. Based on your requirements, we offer different models based on features and IO. Wiman Assure that we won't lose single Packet even in Disconnection.
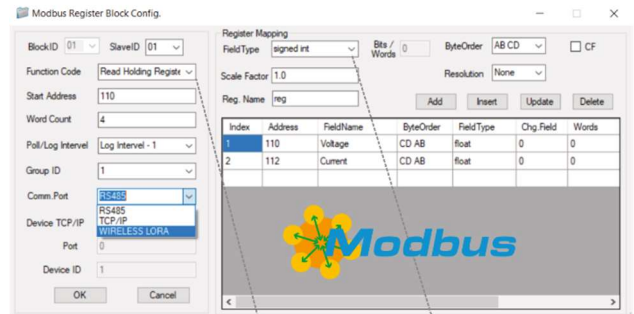
Limitless Application

- ✓ Smart Meter Reading, Utility
- ✓ Power Monitoring and Control
- ✓ PLC, Automations, Industry 4.0
- ✓ Temperature Alerts, Indicators, Base Stations
- ✓ Pump Control, Flow Measurements
- ✓ SCADA, Solar Monitoring, Windmill
- ✓ Central Monitoring and Control Systems
- ✓ ATM, Cold Storage, Home Automation and more..

Highlight Features

- ✓ Intelligent RS485/LoRa/ IO and Data Logger Enabled
- ✓ Configurable Multiple Slave IDs, Selectable Address Range
- ✓ Primary and Secondary Options to avoid Connectivity issues
- ✓ Upto 64 Slaves, Combined RS485, TCP Modbus & LoRa Nodes
- ✓ Read upto 2400 Words of Modbus Data – Dynamically
- ✓ Transparent Command for Modbus Read/Write Operations
- ✓ LoRa Options – Converters, Repeaters and IO Nodes
- ✓ Data Logger Enable during Server/Network Disconnection
- ✓ Configurable TCP/Http/MQTT Mode, GET/POST Methods
- ✓ SSL Option to Enable Highly Secured, and Multiple Security Options
- ✓ Configurable JSON Format for Parameter Packetization
- ✓ Config Polling Options – Scheduling, Query, DI, Offline Log Based
- ✓ Edge Trigger Options to Set Conditions to Relay, Modbus Write
- ✓ SMS Options for Send/Receive Configuration, Alerts, Status, Control
- ✓ Local Console for Tracing Data Packets (Mirror of Server Packet)
- ✓ Monitor the Server Transactions – Tx/Rx Packets, Response time etc

Modbus Gateway WT420CL
A Generic Modbus TCP/RTU to 4G
MAX-L
LoRa Enabled

Model/Info	WT460M	WT467M	WT470M	WT477M
Model Name	MAX	MAXL	MAX	MAXL
4G	YES	YES	YES	YES
LAN	YES	YES	-	-
WIFI	-	-	YES	YES
LoRa	-	YES	-	YES
RTU RS485	YES	YES	YES	YES
TCP Modbus	YES	YES	-	-
ADIN	2DI + 2VI	2DI + 2VI	2DI + 2VI	2DI + 2VI
PULSE	*1-DIN	*1-DIN	*1-DIN	*1-DIN
4 to 20mA IN	1	1	1	1
RELAY	1	1	1	1

✅ **Modbus Master Loaded, Easy and Simple !**

Configure in **60** Seconds

Data in **30** Seconds

Technical Specification

GSM Specification

LTE FDD Band	Asia - B1/B3/B5/B8 *Europe - B1/B3/B5/B7/B8/B20/B28
LTE-TDD Band	Asia - B34/B38/B39/B40/B41 *Europe - B38/B40/B41
GSM Band	Asia - B3/B8 *Europe - B2/B3/B5/B8
Bandwidth	Asia - 1.4/3/5/10/15/20 MHz *Europe - 1.4/3/5/10/15/20 MHz
SIM Interface	Internal SIM 1.8V & 3V

Ethernet Specification

Interface	RJ45 Ethernet 10BASE-T or 100BASE-TX (Auto)
Speed	10/100 Ethernet Half/ Full Duplex (Auto negotiating)
TCP/IP Protocols	TCP, UDP, ICMP, IPv4, ARP, IGMP
Modbus protocol	Modbus RTU Master, TCP Modbus Master
Configuration	Web Config, Serial/IP Utility, IP Commands

General Communication

Transmit Protocol	TCP, HTTP, MQTT – 4G with SSL / LAN without SSL
Http Methods	Configurable GET/POST
Protocol Format	Configurable JSON / CSV String Format
Device Configuration	SMS / PC Utility / FTP / Server IP Commands
RS485 Modes	Transparent / Modbus Polling (* RS232)
OTA	FTP/HFS/TCP Utility/SMS /IP Command
LoRa	Inbuilt LoRa, Enable Wireless RS485

Interfaces

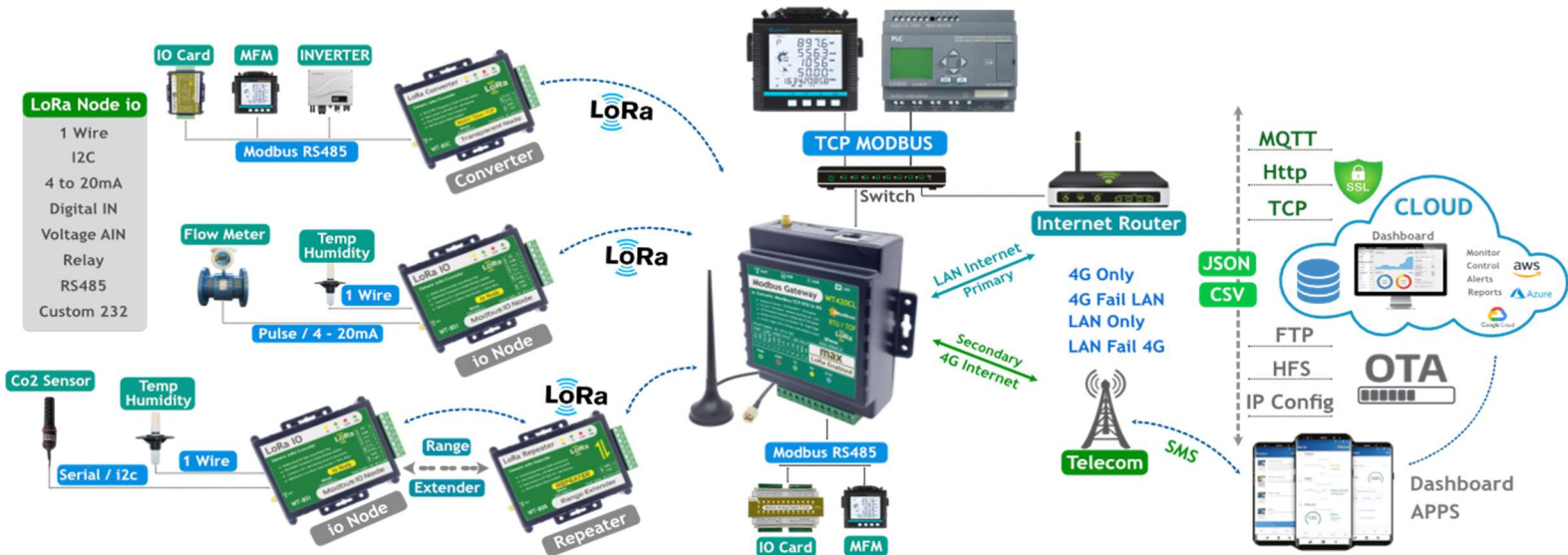|	
Power Supply	12V to 24V DC (Reverse Polarity Protection)
Input Port	2 Chanel (0 to 24V) Analog/Digital Voltage Input 2 Chanel (0 to 24V) Pure Digital Input 1 Chanel (4 to 20ma) Current Input 1 Chanel RELAY Output
LED Indicator	Power, GSM, Modbus Communication Status
RS485 Port	Multiple Modbus Slave Device Connection
USB TYPE C Port	PC Utility Configuration
Antenna	External

General Specifications

Connector LITE	Micro Fit-5.0 (8 pins – 2 Power/2 Modbus/3 IO)
Connector PRO/LPRO	Micro Fit-5.0 (12 pins – 2 Power/2 Modbus/8 IO)
Dimension	100mm x 85mm x 24mm (L x W x H)
Weight	160 grams
Operating Voltage	12V - 24V DC
Operating Temperature	Operating: -30C to +85C

Serial Specification

Interface	RS232 or RS485
Baud Rate	2400, 4800, 9600, 19200, 38400, 57600, 115200 bps
Data Bits & Parity	**Bits**: 7/8 bits, **Parity**: None/Even/Odd

*We pursue a policy of continuous research and product development, Specifications and features are subject to change without notice