



# MODBUS TCP Gateway

ORDER CODE: RDL799

## Introduction:

The MODBUS TCP gateway extends two way communications between the MODBUS RTU & the MODBUS TCP Network. The Gateway comes with Configuration manager that makes device configuration easier.

The MODBUS gateway fetches the Data from a variety of MODBUS Slaves- energy meters, Sensors, industrial PLC's, and VFD through MODBUS RTU Protocol and then push to MODBUS TCP Scanner device.

## Features:

- Supports MODBUS RTU/ASCII/TCP master/client
- Serial port with 2 kV isolation protection
- Ethernet 10/100 Mbps
- Supports Modbus RTU to TCP Converter
- Supports Wi-Fi /Ethernet
- Supports Modbus RTU to Modbus TCP Ethernet / WiFi Gateway
- Support Static IP or DHCP
- Supports RS232 to Ethernet / WiFi gateway
- Supports RS232 Open Data Communication
- Industrial design with -40 to 75°C operating temperature range
- Supply Input Voltage 12V - 24V

## Applications:

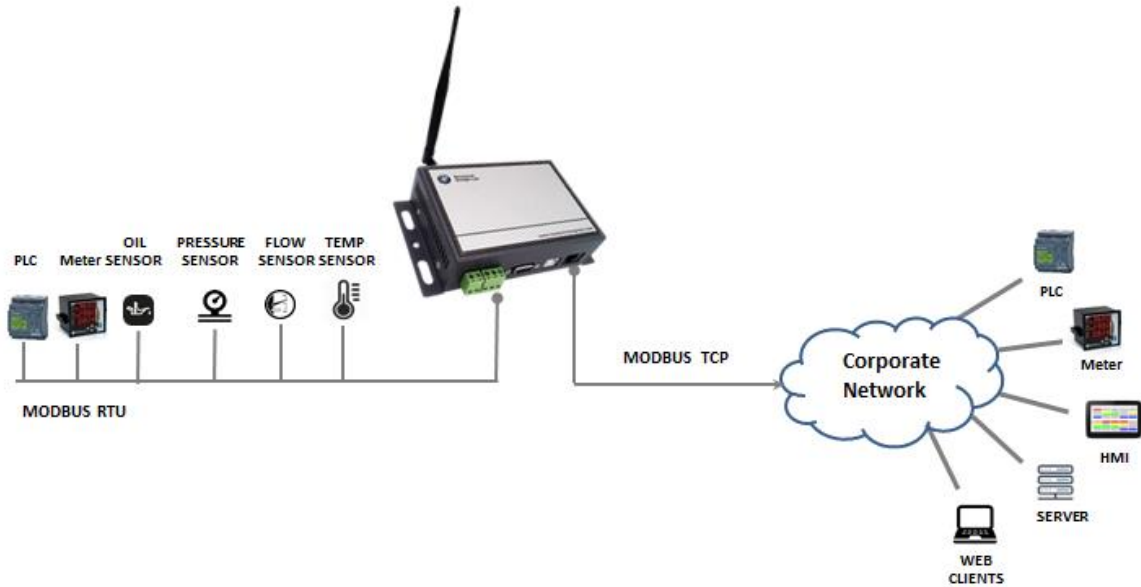
- Production and process monitoring
- Utilities monitoring
- Condition monitoring
- Environment monitoring
- Industrial Smart grid
- Solar grid
- Cold storage monitoring
- District metering
- Water treatment
- Generator monitoring
- Green House

## Specifications:

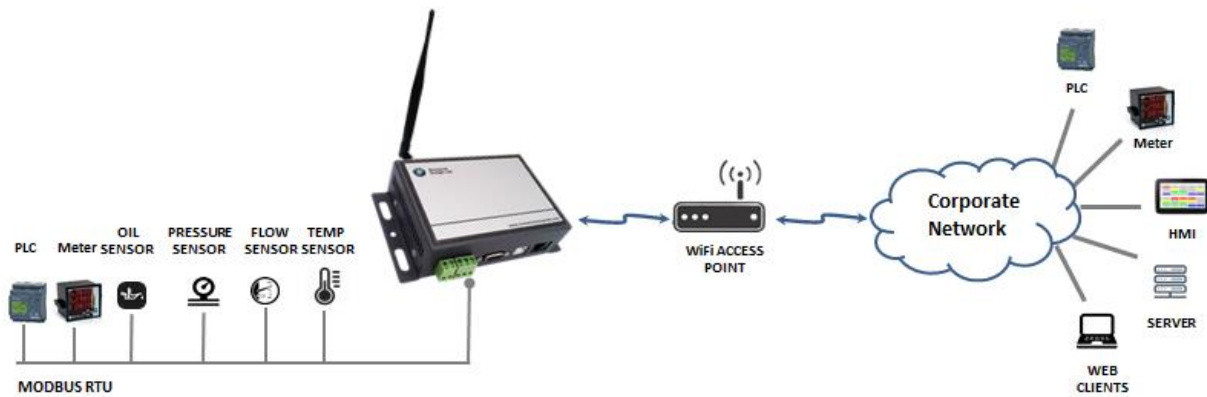
<b>Processor</b>	
Lx6 Microprocessor	32 Bit
Clock Frequency	240 MHz
ESP32-XX Family	32 Bit
<b>Wireless Communication</b>	
Wi-Fi	802.11 b/g/n/e/I (802.11n @ up to 150 Mbit/s
Transmitting Protocol	TCP / IP
MODBUS protocol	MODBUS RTU /TCP Master
Firmware	OTA
<b>Wired Communication</b>	
<b>Isolated RS485</b>	
Isolation	2500 Vrms
Duplex type / Protocol	Half Duplex / MODBUS RTU
Number of receivers on bus	32
Data rate	115 Kbps
Connector type	Screw connector A, B , GND
<b>Isolated RS232</b>	
Isolation	2500 Vrms
Duplex type / Protocol	Full Duplex / MODBUS RTU /Open Data
Number of receivers on bus	1
Data rate	115 Kbps
Connector type	DB9 Connector Tx,Rx,GND
<b>Ethernet 10/100 Mbps</b>	
Isolation	1500 Vrms
Protocol	MODBUS TCP
Number of receivers on bus	1
Connector Type	RJ45
<b>USB</b>	
Chipset	FTDI
Baud rate	115kbps
Connector Type	USB B
<b>Supply voltage</b>	
Supply Input Voltage	12V - 24V
<b>Installation</b>	
Mounting	Wall / DIN Rail

Enclosure	IP20
<b>Dimensions</b>	
(L x W) in mm	115.70 x 84.30 mm

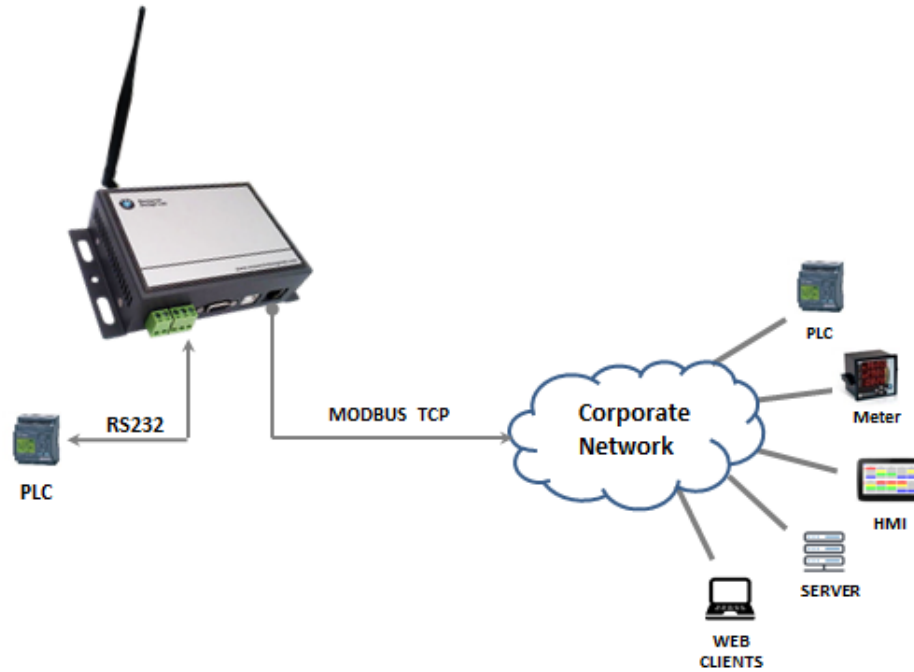
**MODBUS RTU to Ethernet Gateway Wiring Diagram:**



**MODBUS RTU to WiFi Gateway Wiring Diagram:**



### RS232 to TCP or TCP to RS232 Open Data Wiring Diagram:



### RS232 to WiFi or WiFi to RS232 Open Data Wiring Diagram:

