



Serial RS232 to Ethernet / WiFi Gateway

ORDER CODE: RDL849

Introduction:

The Serial RS232 to Ethernet/WiFi gateway extends two way communications between serial terminal host & TCP Network. The Gateway comes with a Configuration manager that makes device configuration easier.

The serial Ethernet / WiFi gateway fetches the Data from a serial terminal host using Open Data method & then pushes to the TCP Scanner device and vice versa.

Features:

- Supports RS232 to Ethernet / WiFi gateway
- Supports RS232 Open Data Communication
- 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
- Industrial design with -40 to 75°C operating temperature range
- Supply Input Voltage 12V - 24V

Applications:

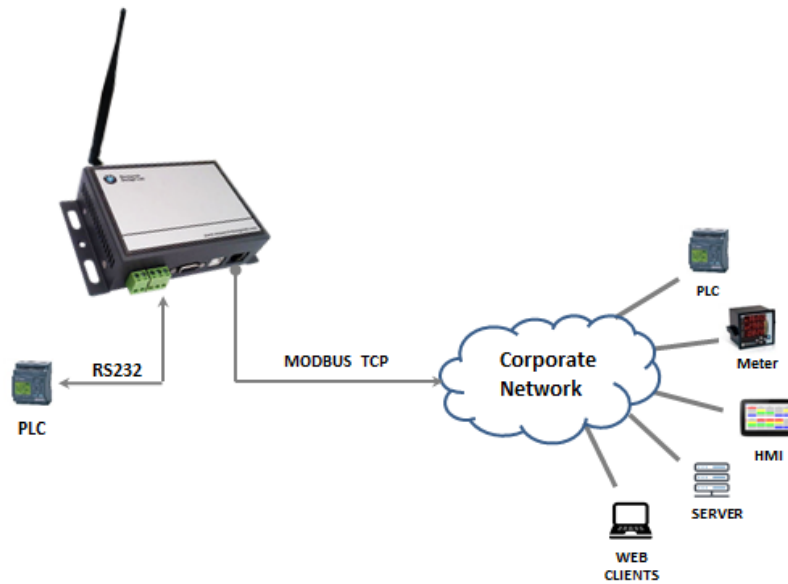
- Production and process monitoring
- Utilities monitoring
- Condition monitoring
- Environment monitoring
- Industrial Smart grid
- Solar grid
- Cold storage monitoring
- District metering
- Water treatment
- Generator monitoring
- Green House

Specifications:

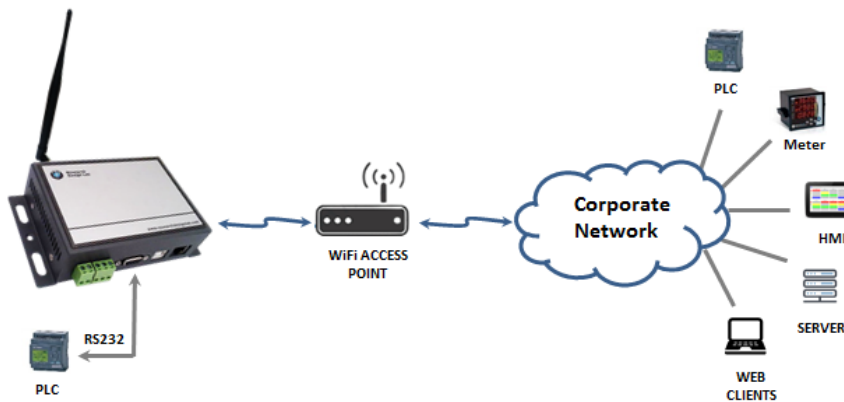
Processor	
Lx6 Microprocessor	32 Bit
Clock Frequency	240 MHz
ESP32-XX Family	32 Bit
Wireless Communication	
Wi-Fi	802.11 b/g/n/e/I (802.11n @ up to 150 Mbit/s)
Data Speed	
Transmitting Protocol	TCP / IP
MODBUS protocol	MODBUS RTU /TCP Master
Firmware	OTA
Wired Communication	
Isolated RS485	
Isolation	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
Isolated RS232	
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
Ethernet 10/100 Mbps	
Isolation	1500 Vrms
Protocol	MODBUS TCP
Number of receivers on bus	1
Connector Type	RJ45
USB	
Chipset	FTDI
Baud rate	115kbps
Connector Type	USB B
Supply voltage	
Supply Input Voltage	12V - 24V
Installation	

Mounting	Wall / DIN Rail
Enclosure	IP20
Dimensions	
(L x W) in mm	115.70 x 84.30 mm

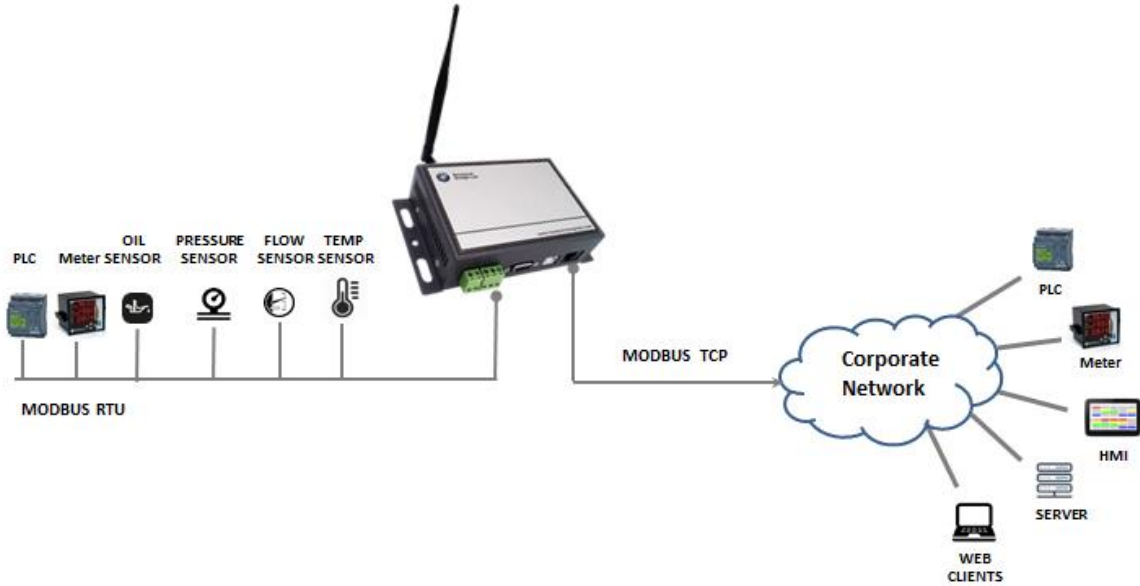
RS232 to TCP or TCP to RS232 Open Data Wiring Diagram:



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



MODBUS RTU to Ethernet Gateway Wiring Diagram:



MODBUS RTU to WiFi Gateway Wiring Diagram:

