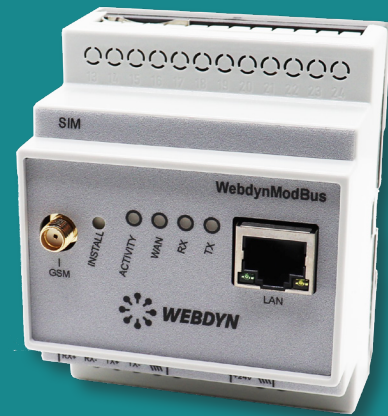# WebdynModbus
Gateway for the monitoring of Modbus equipment

The WebdynModbus gateway is used to monitor and collect data from Modbus equipment (slaves). In a single box, the gateway has a Modbus RTU or Modbus TCP interface as well as 3G and Ethernet interfaces it can use to communicate with the information system. The WebdynModbus gateway behaves as a Modbus master. It is used to manage a set of slaves connected to a hard-wired bus (RTU mode) or an Ethernet link (TCP). It is easily installed through the webserver and it can be monitored remotely. The collected data is formatted in CSV and sent periodically to a server via the cellular or Ethernet network.

Main Features

4G 3G/2G	Ethernet	RS485	DIN rail	Remote configuration
4G/3G/2G	Ethernet	RS485	DIN rail	Remote configuration

■ HARDWARE   ■ SOFWARE

Strenghts & Benefits

■ Simple local or remote setup from a text file

■ Very low consumption of data on mobile network

■ Full compatibility with Modbus protocol

■ Double connectivity Modbus RTU & Modbus TCP

■ Managing of all the variablesn (reading & writing) of a Modbus slave

■ Remote actions and command of the Modbus slaves (without additional costs)
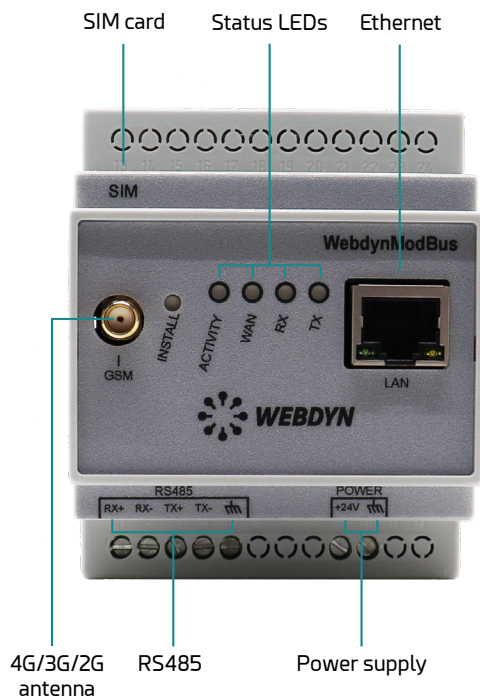
Applications

■ Modbus slaves monitoring: input, output, electrical equipment; etc.

Specifications

WebdynModbus 4G	WebdynModbus 3G
4G: LTE-FDD B1/ B3/ B5/ B7/ B8/ B20/ B28; LTE-TDD B38/ B40/ B41; **2G:** GSM B2/ B3/ B5/ B8	**3G:** 2100/900 MHz **2G:** 900 MHz
LTE-FDD Data Rate (Mbps): 10 (DL)/ 5 (UL) **LTE-TDD** Data Rate (Mbps): 7.5 (DL)/ 1 (UL)	
GPRS Data Rate (kbps): 85.6 (DL)/ 85.6 (UL)	
EDGE Data Rate (kbps): 236.8 (DL)/ 236.8 (UL)	

Interfaces

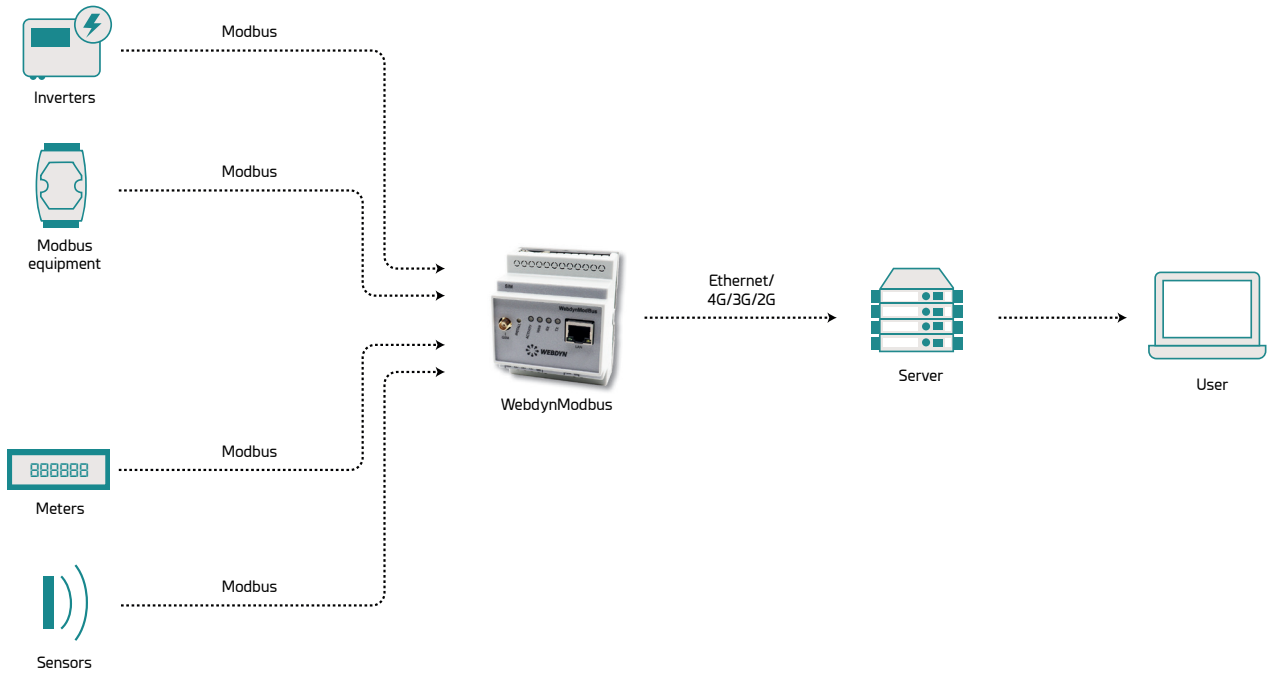- 4G/3G/2G connectivity
- 1x Ethernet
- 1x RS485

Connectors

- 1x SMA connector: GSM
- 1x RJ45: Ethernet
- 2x terminal block: RS485, power supply

SIM card   Status LEDs   Ethernet

4G/3G/2G antenna   RS485   Power supply

Characteristics

- TCP and RTU modes
- Status LEDs
- SIM card
- DIN rail
- DC input: +12 to +24 Vdc screw terminal
- Consumption: 3W max.
- Temperature range: -5 - 50⁰C
- Storage temperature: -20 - 85⁰C
- Dimensions: 70x86x59mm
- Weight: 130gr

Architecture

References

PRODUCTS

- WebdynModbus   **WG0513-A01**

ACCESSORIES

- Rail Din 24V power suply   **AC0103-00**
- GPRS bi-bands deported antenna with 5m cable   **AC0201-01**
- GPRS bi-bands deported antenna with 10m cable   **AC0201-03**
- GPRS bi-bands deported antenna with 20m cable   **AC0201-02**