WEBDYN

WEBDYNMODBUS

The WebdynModbus gateway enables to manage or collect data from Modbus equipments (slaves). On a single box, the gateway include a RTU Modbus and TCP Modbus interface and also GPRS/3G interfaces and Ethernet to commmunicate with the information system.

INSTALLATION

– The first configuration is carried out via the pages of the embedded web server
– Once configuring has been carried out, data collection can start in an automatic and periodic way
– After synchronising with the remote server, all configurations/actions can be carried out remotely: equipment, data server address, data format, collection frequency, etc.

OPERATION

– The WebdynModbus gateway works like a Modbus master. It enables to manage a set of slaves connected on a wired bus (RTU mode) or an Ethernet link (TCP)
– All the variables associated to each Modbus slave are defined in the configuration files and/or the local HTML interface
– All the data associated to each Modbus slave are reachable in reading & writing
– Collected data (reading mode) are formatted (csv) and sent periodically through the mobile or Ethernet networks to a federating server
– Reading data are specified in the configuration file
– All the gateway functions can be synchronised with the server by using web services

STRONG POINTS

→ Simple local or remote setup from a text file
→ Very low consumption of data on mobile network
→ Full compatibility with Modbus protocol
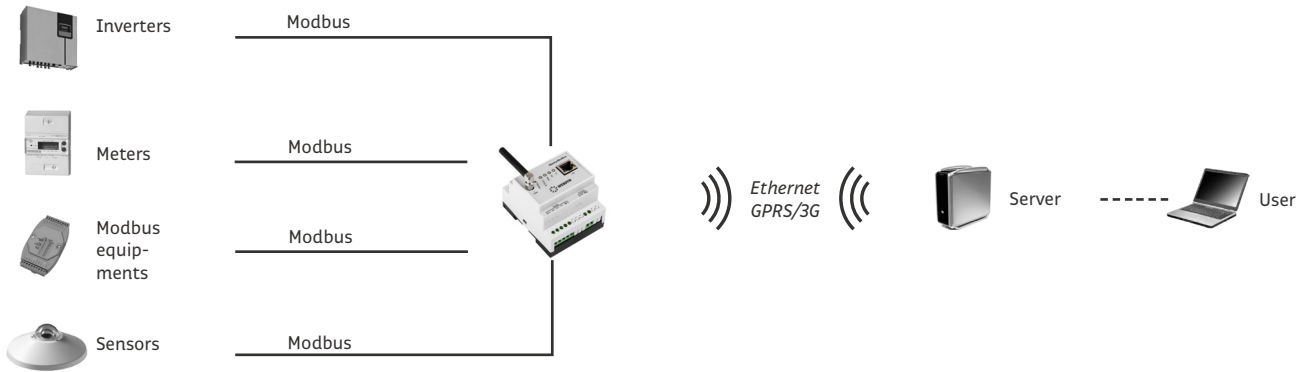→ Double connectivity Modbus RTU & Modbus TCP

APPLICATIONS

→ Modbus slaves monitoring: input, output, electrical equipment, ...

BENEFITS

→ Managing of all the variables (reading & writing) of a Modbus slave
→ Remote actions and command of the Modbus slaves

ARCHITECTURE

Inverters — Modbus
Meters — Modbus
Modbus equipments — Modbus
Sensors — Modbus

Ethernet GPRS/3G — Server - - - - User

CHARACTERISTICS

TECHNICAL

- Modbus RTU (RS485) interface
- Modbus TCP (Ethernet) interface
- IP network interfaces : Ethernet : 10/100Mbits/s – GSM/GPRS/3G

GENERAL

- Power supply : [+12/24v] screw terminal
- T° : operating : -5°C/+50°C - Storage : -20°C/+85°C
- Dimension : 70x86x59mm Rail Din
- Power consumption : 3W maximum

REFERENCES

PRODUCTS

- WG0513-A01 : WebdynModbus

ACCESSORIES

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

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