

Quick Installation Guide

DLMS-MODBUS V2 Advanced Gateway

SKU: GWA-DLMS-XXX-V2

DLMS



Overview

GWA-DLMS Advanced Gateway is a compact DIN RAIL mounting device that allows for controlling the reading of DLMS data from smart meters and publishing it to a MODBUS TCP Server or a MODBUS RTU slave port.

Hardware Introduction

The GWA-DLMS-XXX-V2 has 3 Ethernet Ports (10/100/1000 Mbps) and 2 RS485 serial ports on the screw connector.

The Ethernet ports have the following configuration:

- LAN1: 192.168.212.239/24
- LAN 2/3: DHCP



Software Installation Info

The GWA-DLMS is supplied with the following port address configuration on the LAN ports:

- **IP LAN:** 192.168.212.239 /24

Access and programming are performed via U-VNC with the password: Admin.

To configure DLMS_TO_MODBUS, you can follow the "**configurator manual**" available on the software CD. This explains how to set up the software installed on the GWA-DLMS in order to convert data acquired from DLMS meters into the Modbus RTU or TCP standard. Every port COM1, COM2, ETHERNET, or SERIAL port over USB (by connecting external devices, e.g., UPORT1110 or UPORT1130) can be assigned to either DLMS or MODBUS within the software configurator.

If access to the Operating System is required, the **username** is Admin, and the **password** is: Admin.

Extra

The OpenVPN secure tunnel to our servers enables a fast, reliable, secure, and direct connection to the datalogger by our technicians, in order to diagnose any communication issues between the gateway and the meters.


The secure tunnel must be activated manually by starting the OpenVPN client and using the following credentials:

- **Username:** ovpn-dlms
- **Password:** MarcomDLMSvpn@1


Please keep the credentials safe and use the OpenVPN secure tunnel only when requested by the technicians.


***Note on using Optical Probes:** To use optical probes to communicate with the meters, the "Read Interval Timeout" setting for the serial port in the DLMS software must be set to 500 ms.

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