

DLMS-MODBUS V2 Advanced Gateway

SKU: GWA-DLMS-XXX-V2

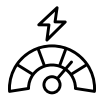
DLMS



Compatibility

- Landys + Gyr
- Elster
- CewePromoter
- ISKRA
- Actaris
- EMH
- DPE
- ITRON
- ...

Applications



Overview

This DLMS Modbus Gateway is the ideal solution for integrating data from smart meters in an industrial environment. Its main function is reading data from all meters that implement the DLMS standard and related standards IEC-62056 (-21, -42, -43, -61, -53, -46), ensuring broad compatibility with the main models on the market (such as Landis+Gyr, Iskra, Actaris, Itron, EMH, etc.). The Gateway performs an instantaneous conversion of the read data into the Modbus protocol, supporting both the TCP version (over Ethernet port) and the RTU version (over serial port), facilitating integration with any SCADA, PLC, or BMS system.

The DLMS communication with the meters is extremely flexible, being possible via RS232, RS485 protocol, or Ethernet port. Configuration is simple and fast, managed through a VNC connection and a dedicated configurator that allows the user to select the OBIS objects to be mapped to Modbus. The device is designed for industrial installation with DIN Rail mounting and offers scalable licenses that support monitoring of up to 10, 25, or 50 energy meters, with additional options available upon request.

It is possible to order an additional license (-P) which allows for the downloading of meter profiles to the Gateway's file system or to a networked database.

Configuration

Multiple Connections	Different types of connections supported (RS485, RS232, Ethernet)
Automatic Variables Discovery	It is possible to discover automatically all OBIS on meter during the configuration phase

Package Content

- Gateway GWA-DLMS-XXX-V2
- Documentation and Software CD
- Quick Installation Guide

Gateway Default Parameters

IP LAN	192.168.212.239 /24
Access via U-VNC with Password	Admin
OS Username / Password	Admin / Admin

Technical Specifications

Ethernet	LAN: 3x LAN Gigabit Intel i210-AT
Power	Power In: 12-24V, CC (DC-in)
	Max Power: 60W
I/O Interface	COM: 2x RS485
	USB Ports: 4x USB 3.0
Environment	Operating Temperature: from -20°C to +60°C - w/Air Flow
	Storage Temperature: from -20°C to 85°C
	Humidity: 10% - 90% UR @40°C, non-condensing
	EMC: CE, FCC, RoHS
Material	High-quality aluminium
Mounting	DIN Rail Mount
Dimensioni (W x D x H)	205 mm x 146 mm x 50mm
Weight	<1,53 Kg


Ordering Information

GWA-DLMS-10-V2	DLMS Gateway up to 10 energy meters
GWA-DLMS-25-V2	DLMS Gateway up to 25 energy meters
GWA-DLMS-50-V2	DLMS Gateway up to 50 energy meters
> 50 Meters	On request
- P	Profile download license


Accessories


TCC-120I	RS-422/485 converter/repeater with 2 kV optical isolation
KMK114	Optical probe with RS485 connection (3,3 - 12 Volt external power supply requested)

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