

RELIABLE SECURE CONNECTIVITY

XDSG100 Series
DLMS MODBUS GATEWAY





XDSG100 Series

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FEATURE HIGHLIGHTS

- Creating Gateways Between IEC 62056-21 and MODBUS Protocols
- Creating Gateways Between DLMS/COSEM and MODBUS Protocols
- Reading Data According to Different OBIS Code Lists
- Possibility to Read Multiple Electricity Meters with a Gateway
- Reading Data with the DATA READOUT Command
- Switching to Programming Mode and Sending Custom Commands
- User-friendly Software for Configuring Gateway
- Programming with USB Cable
- Upload/Download Program over TCP/IP
- Master/Slave Communication
- Multiple Connectivity
- Auto-Detect Socket Disconnection and Auto-Reconnection
- Remote Firmware Upgrade
- View Status of Device Over Web-Interface





Programming	
Programming Editor (Assistant Software)	
Device Search over Network	
Offline Configuration	
Import/Export Configuration	
Automatic MODBUS Addressing via OBIS Code Definitions	
Multiple Electricity Meter Selection	
Ability to Define Different OBIS Code Lists for Electricity Meters	
Defining Electricity Meter Poll Frequency	
Integrated Communication Ports	
Ethernet (XDSG100-E1N)	1 Port, 10/100 Mbps
LTE/4G Modem (XDSG100-E0L)	1 Port, Quad-Band 850 / 900 / 1800 / 1900 MHz
Wi-Fi (XDSG100-E0W)	1 Port, IEEE 802.11 b/g/n
Serial Ports (All Models)	1 Port RS485 (3 kV ESD Protection), 1 Port RS232
USB (All Models)	1 Port, Mini USB Type B
Communication Protocols	
Master Communication Protocols	MODBUS TCP, IEC62056-21, DLMS/COSEM
Slave Communication Protocols	MODBUS TCP, MODBUS RTU
Maximum Connection Count	
Number of Server Socket	2
Number of Client Socket per TCP Server Socket	16
Max Number of Meters on RS232	1
Max Number of Meters on RS485	32
LED Signals	
Power	1 LED Blue
Running Status	1 LED Blue
Error	1 LED Blue
Environmental Conditions	
Operating Temperature	-20 / +75 C
Storing Temperature	-40 / +80 C
Humidity	5..95 RH
Protection Standard	IP20
Operating Altitude	0..2000 m
Electrical Wiring	
Serial Port Inputs	Demountable Terminal Block with Screw, (pitch 3.81 mm)
Power Supply Input	Demountable Terminal Block with Screw, (pitch 3.81 mm)
Supply	
Supply Voltage	9..36 VDC
Supply Current	50 mA @ 24 VDC
Warranty	
Duration	24 Months
Certificates	CE





Applications

- Remote Monitoring of Electricity Meter Data
- Energy Tracking and Billing Systems
- Load Profile Data
- AMR (Automatic Meter Reading) Solutions

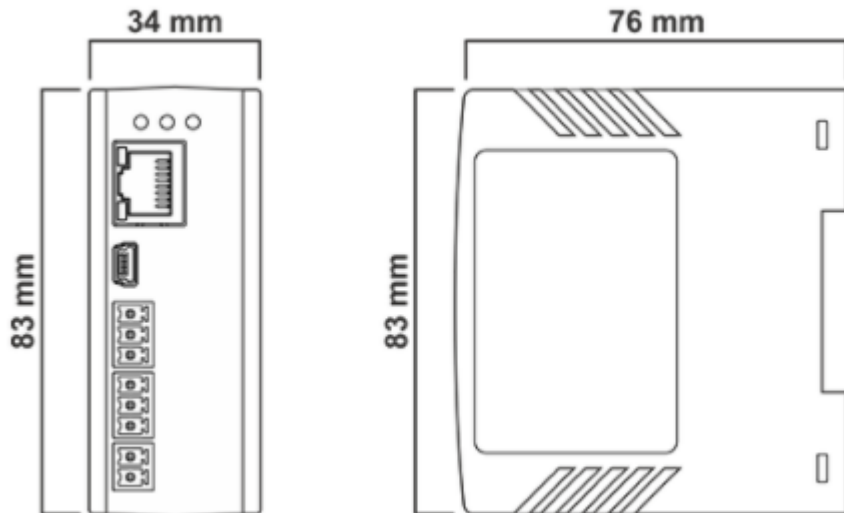
Telemetry

- Master Protocols: MODBUS TCP, IEC62056-21, DLMS/COSEM
- Slave Protocols: MODBUS TCP, MODBUS RTU
- Reading Meter Data with DATA READOUT and PROGRAMMING MODE

Some Supported Electricity Meter Models

- Elster: A1500 Series
- Itron: SL7000 Series
- Landis: E550 Series
- EMH: LZQ Series
- Iskra
- Viko
- Makel: C410, C510, T300 Series
- Kohler: AEL.TF.09, AEL.TF.11, AEL.TF.19, AEL.TF.20, AEL.TF.21, AEL.TF.22 Series
- Luna

Drawing







WHO WE ARE

Built on 20 years of experience in designing and manufacturing industrial networking products, **Agatel** was established from the UK to serve the infrastructure and industrial sectors in EMEA markets with reliable connectivity for mission-critical systems in demanding environments.

Experienced in hardware and software design and integration, we produce high-quality yet cost-effective industrial networking and communication products with great customization capabilities and robust implementations, equipping our customers for reliable secure industrial networks.



WHAT WE OFFER

The needs of our customers' industry are different from those of corporate IT environments – industrial operating environments are tough and the impact of failure in the field can lead to business threatening situations, hence our products will have lifetimes in excess of 20 years.

From entry-level to high-performance industry-certified hardware, **Agatel** offers a full solution spectrum to suit our customers' budgets and application requirements, with features such as industrial-grade reliability, integrated security, network redundancy, and advanced performance.

Our product solution profile includes industrial Ethernet switches, network time servers, media converters, industrial wireless devices, and serial device servers, covering a wide array of mission-critical applications such as automation, security, transport, water, oil and gas, and power grids.



WHY CHOOSE US

We help our customers reduce downtime and operational costs of their industrial applications in harsh environments. Leading system integrators in EMEA rely on our niche technical expertise and product quality to increase their applications' robustness, revenues, and competitive differentiation.

Agatel ruggedized high-quality solutions are designed to deliver zero-network-downtime for harsh project demands, allowing for reliable connectivity to keep people and assets safe and secure in harsh and hazardous environments, and allowing customers to focus on growing their business.

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