

DLG

UNIVERSAL MODBUS DATA LOGGER

Brochure

4neXt S.r.l.s.

Via L. da Vinci, 15/4

30030 - Vigonovo (VE) - ITALY

TEL: +39 049 0981450 EMAIL: info@4next.eu

4neXt is an established group of experts that designs and manufactures products for automation, data collection and management in M2M and IoT applications. Our product lines include: Configurable Data Logger, Programmable RTU, Communication Gateway, Protocol Converters, Bridges and Wireless Sensors.

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TECHNOLOGY SYSTEMS

Above All Else... GATHER THE DATA

General Description

DLG is a family of data logger that allows interfacing with all **ModBus RTU** and **TCP** devices in a simple way without programming and sends data remotely via the **MQTT** and **HTTP REST protocol**.

The **integrated web server** allows fast and intuitive configuration and display of all variables, programming, data storage and sending to the Cloud. The data sampled by the ModBus MQTT HTTP REST data logger is stored on a **micro SD card**. Each ModBus slave, once configured, can be stored in device libraries for eventual reuse, saving considerable time for subsequent configuration and installation.

DLG implements the latest data security technologies such as TLS protocol and MQTT certificate management.

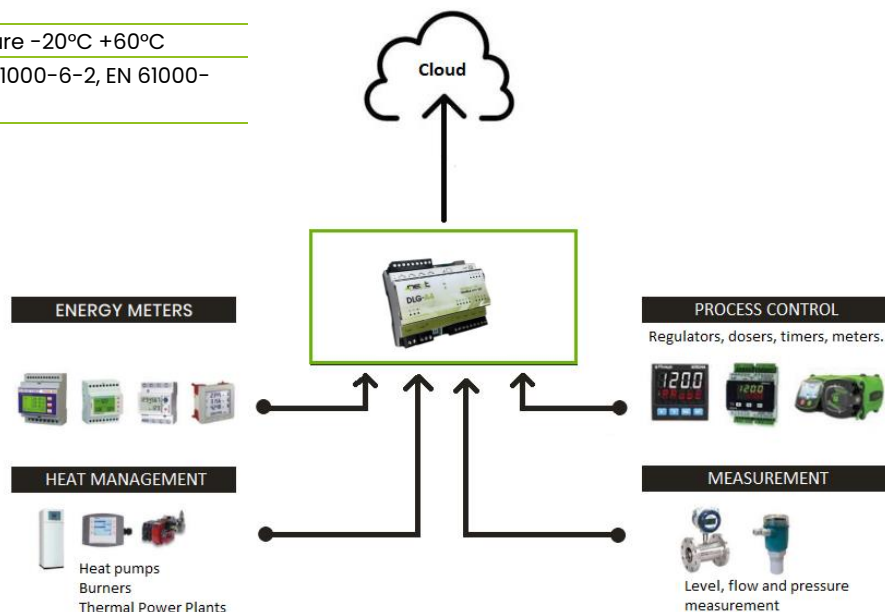
DLG allows the configuration of each individual variable, the sampling time that can vary from 1 second up to 1 hour. The web server allows you to configure network parameters, data formatting mode (CSV or JSON), time of sending the data remotely and parameters for sending in MQTT. It is also possible to **mirror the variables** in a remote ModBus TCP server. This is an ideal function for duplicating information to a SCADA software or an advanced monitoring system.

Application

DLG is dedicated to real-time recording and data analysis. Using the Ethernet connection, DLG sends data to via MQTT, HTTP REST or FTP to remote servers for management via a portal. The most widespread applications are: **metering** (Energy, Water, Gas), **water treatment, renewable, industrial and process control, thermal power** measurements, **agri-food** monitoring.

Technical Features

GENERAL	ELECTRICAL
10-100Mb/s Ethernet port	Power supply 10-32 v DC / 19-28 v AC
RS485 1200-115200 bps Port	Power consumption <: 1,5W
DIN rail mount (1 module)	N. 1 RS485 serial interface (1200÷115200 bps)
Frontal panel LED signalling	802.11b/g/n integrated module
Size 90 x 17 x 60 mm	
Operating temperature -20°C +60°C	
CE Certification (EN 61000-6-2, EN 61000-6-4 Standards)	



Models

DLG-M2	DLG-D16
2 configurable analog inputs (0-10V, 4-20mA, Pt100, Pt1000, NTC, PTC, Thermocouples)	16 inputs / outputs configurable via software
2 configurable digital inputs or outputs	NFC interface for configuration
NFC interface for configuration	Optional WiFi or 868MHz Radio module
Optional WiFi or 868MHz Radio module	
DLG-A4	
4 configurable analog inputs (0-10V, 4-20mA, Pt100, Pt1000, NTC, PTC, Thermocouples)	
4 analog outputs 0-10V and 4-20mA	
NFC interface for configuration	
Optional WiFi or 868MHz Radio module	



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FOR MORE INFORMATION
CONTACT US

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