



EasyLogXL/XL-A

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 è un consolidato gruppo di esperti che progetta e produce prodotti per l'**automazione**, la **raccolta** e la **gestione dei dati** in applicazioni M2M e IoT. Le nostre linee di prodotto includono: Data logger configurabili, RTU programmabili, Gateway di comunicazione, Convertitori di protocollo, Bridge e Sensori wireless.

www.4next.eu



Above All Else... GATHER THE DATA

General Description

EasyLogXL/XL-A is a 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. EasyLogXL/XL-A implements the latest data security technologies such as TLS protocol and MQTT certificate management.



EasyLogXL/XL-A, 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

EasyLogXL/XL-A is dedicated to real-time recording and data analysis. Using the 4G modem or Ethernet connection, EasyLogXL/XL-A sends data to users (e-Mail and FTP) or 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

EasyLogXL:

CPU	I/O
32b Arm® Cortex-M7®	Signalling LEDs
2MBytes Flash ROM	N. 1 10/100 Mb/s Ethernet port
1MByte RAM	N. 1 RS485 serial port galvanically isolated (on terminals)
Internal buffered RTC	
MECCANICHE	AMBIENTALI
Plastic enclosure IP21 for DIN guide	Operating temperature: -20°C ÷ 60°C
Size: 90 x 17 x 60 mm, 1 DIN module	Relative humidity: 0 to 80% non-condensing
Connector for SD card insertion	
ALIMENTAZIONE E CONSUMO	
Power supply 10-32 V DC	
Average consumption < 3 W	

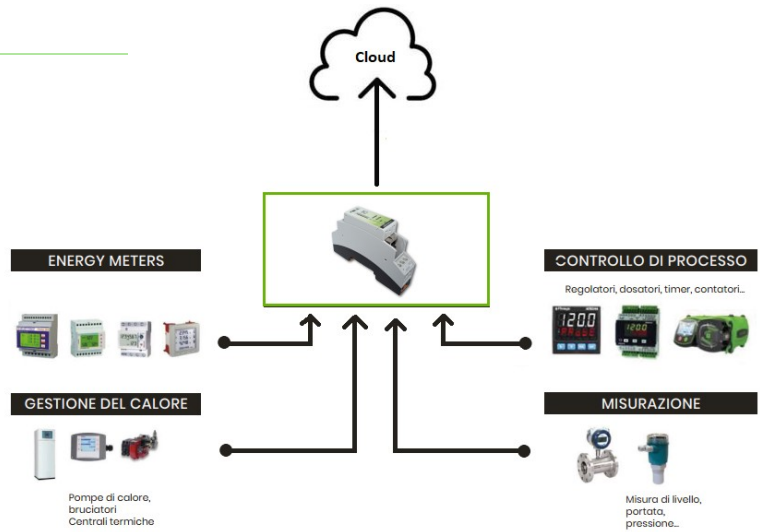
EasyLogXL-A:

It has the same features mentioned above with the following differences:

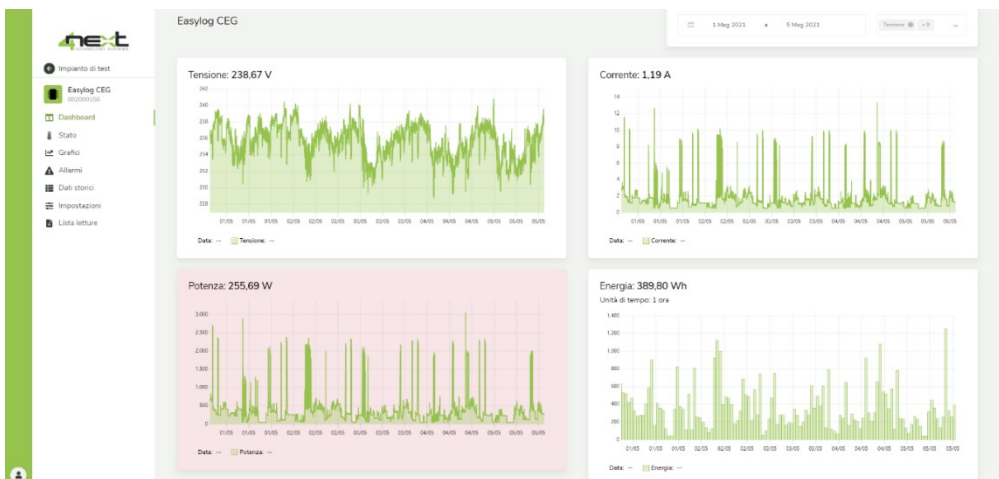
POWER SUPPLY & CONSUMPTION

Power supply 10-40 V DC / 20-28 V AC

Removable terminals



Example of Data Visualization on WEB Portal



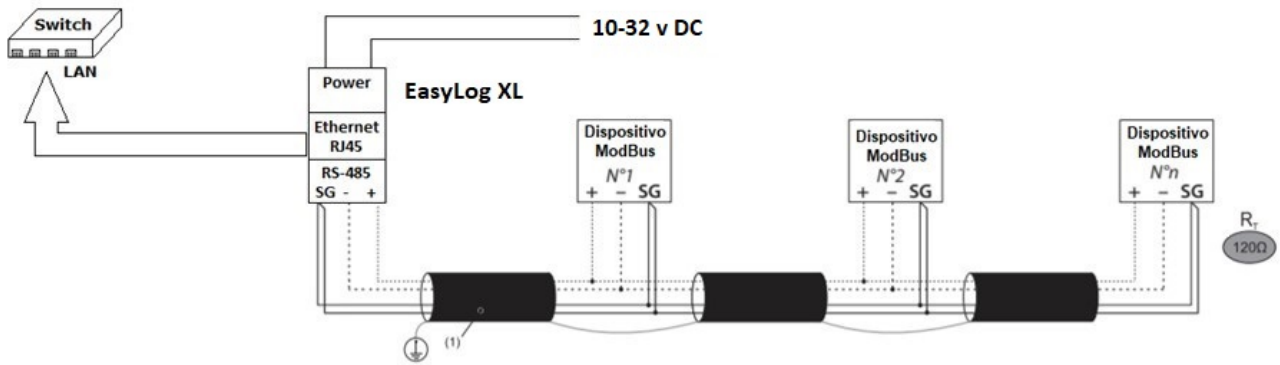
Example of Alarm Page Visualization

The screenshot shows the Alerts page in the Easylog CEG web portal. The page displays a table of alarm events:

Data ora	Descrizione	Stato	Priorità	Cancella
10/05/2021 02:53:00	Allarme eccesso potenza	Aperto	alta	[X]
10/05/2021 00:49:00	Allarme eccesso potenza	Completato	alta	[X]
09/05/2021 05:59:00	Allarme eccesso potenza	Completato	alta	[X]
06/05/2021 16:33:00	Allarme eccesso potenza	Completato	alta	[X]
06/05/2021 01:06:00	Allarme eccesso potenza	Completato	alta	[X]
07/05/2021 06:40:00	Allarme eccesso potenza	Completato	alta	[X]
06/05/2021 19:20:00	Allarme eccesso potenza	Completato	alta	[X]
06/05/2021 01:06:00	Allarme eccesso potenza	Completato	alta	[X]
05/05/2021 00:44:00	Allarme eccesso potenza	Completato	alta	[X]
04/05/2021 19:09:00	Allarme eccesso potenza	Completato	alta	[X]
04/05/2021 02:37:00	Allarme eccesso potenza	Completato	alta	[X]

The top of the page shows "Benvenuto Gino Cecchetti" and "Lista allarmi". The table includes a pagination control at the bottom right showing "1 2 3 4 5 6 ... 11".

Connection Scheme



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