

GATEWAY DATA LOGGER



 **Lovato**
electric

ENERGY AND AUTOMATION

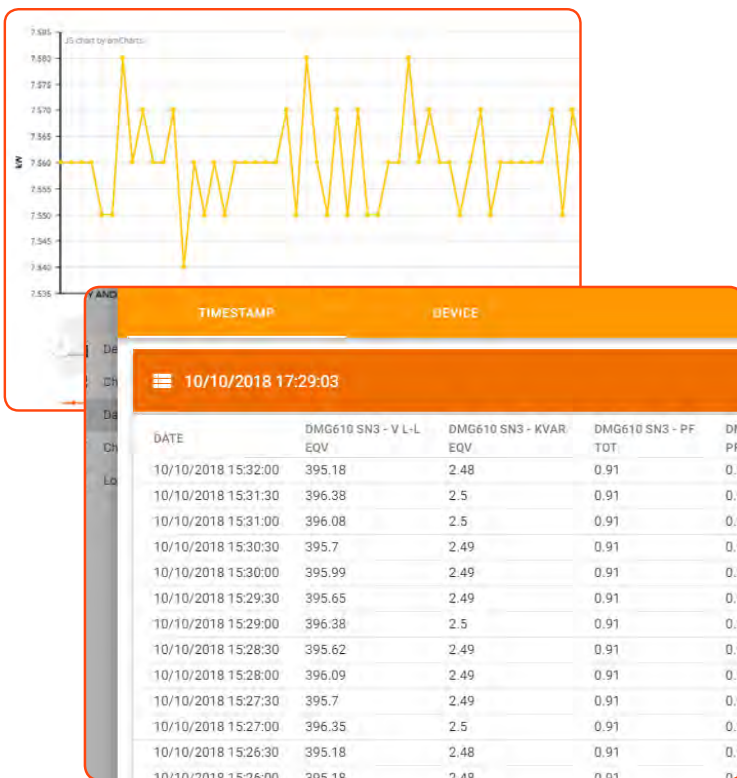
GATEWAY DATA LOGGER

The **EXC GL A01** is a combined gateway and data logger and is key to the construction of modern, functional and energy-efficient monitoring systems. The device logs data from LOVATO Electric devices or ambient sensors running compatible protocols and monitoring all kinds of energy vector (water, air, gas, electricity or steam). Logged data can be consulted via the built-in web server and transmitted either to LOVATO Electric's Synergy supervision software or to remote servers in suitable formats for further processing.

WEB SERVER INTEGRATION

The **EXC GL A01** is equipped with a built-in web server that lets you:

- consult and download collected data
- view time-referenced charts and tables for historic analyses
- define what categories of collected data must be sent automatically to the Synergy supervision software or other destinations.



INTEGRATION WITH Synergy

The Synergy energy supervision system is the result of LOVATO Electric's extensive experience in four different but synergic areas: hardware devices, monitoring software, technical assistance and training.

Connecting the **EXC GL A01** to LOVATO Electric's Synergy Cloud monitoring services delivers the following advantages:

- automatic access to dataloggers, synoptic pages and graphics in a standard configuration that does not require any user intervention;
- transmitted data can be processed freely and displayed graphically on web pages that can be customised to meet specific customer needs;
- guaranteed data security even in the event of internet instability.

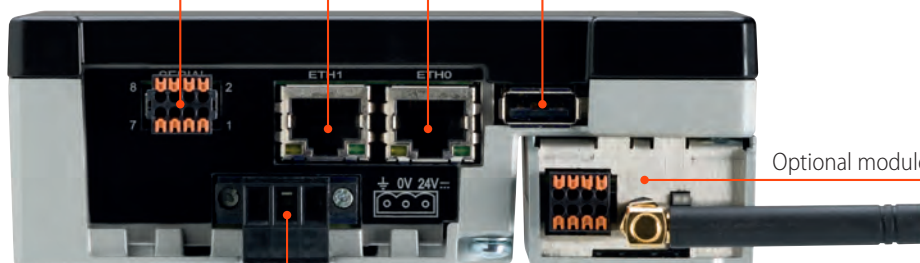


TECHNICAL SPECIFICATIONS

1 RS485/RS422/RS232

2 Ethernet connections (RJ45 standard cables)

1 USB host for memory drives (for software or driver updates)



24VDC power supply (10...32VDC)

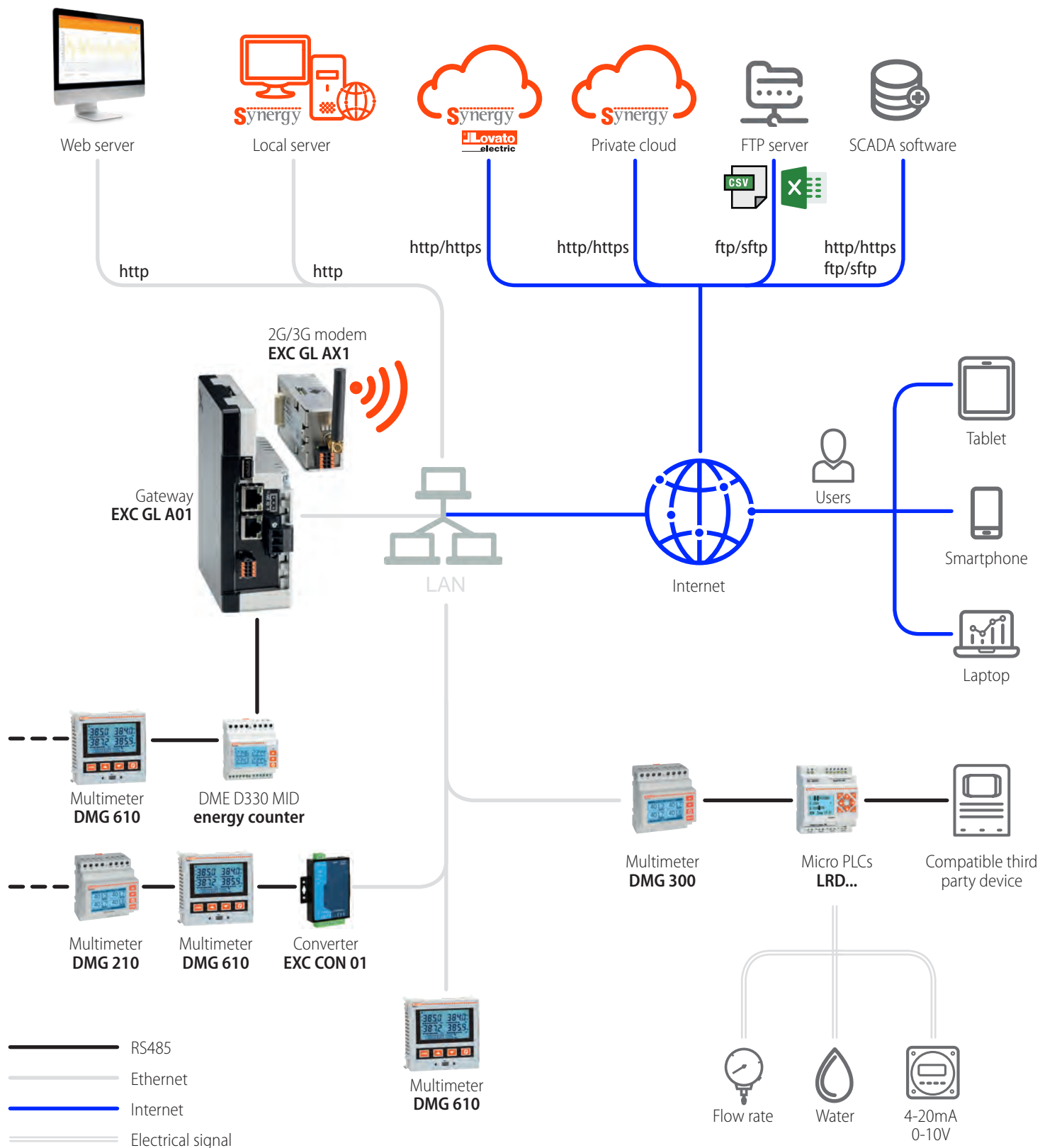
Optional module for 2G/3G

- Modbus-RTU, ASCII and TCP communication protocol
- Operating temperature: -20...60°C
- Dimensions: 45x134x102mm
- DIN rail mounting
- Conformity: IEC 61000-6-2, IEC 61000-6-4, EN 60945

FUNCTIONAL CHARACTERISTICS

- Connection to field devices via RS485 and/or Ethernet
- Internet connection via cabled network or 2G/3G modem: **independent of customer's network**
- Communication with remote servers via http, https and ftp protocols: **neither static public IP addresses nor specific TCP ports are needed**
- Regular transfer of data to Synergy supervision software in XML files and to other compatible software in XML or CSV files **in encrypted mode**
- Data export via web servers in Excel or CSV format
- Plug and play: **auto-recognition of compatible devices** connected via the Ethernet or serial channel
- **Automatic data bank creation** based on a set of typical measurements selected by LOVATO Electric

NETWORK TOPOLOGY



■ GATEWAY DATA LOGGER



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