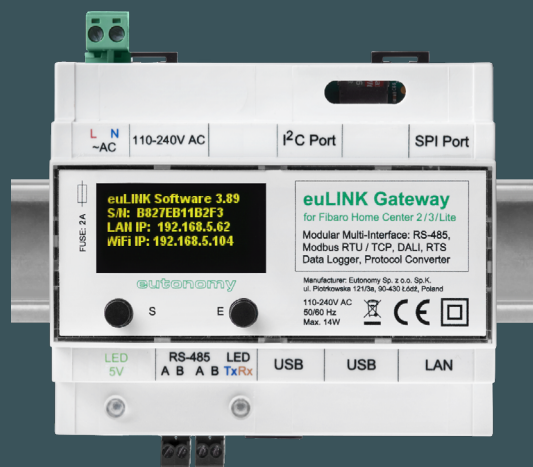


- RS-485
- MODBUS RTU/TCP
- DALI
- DATA LOGGER
- PROTOCOL CONVERTER



The euLINK gateway is a hardware communication interface between the intelligent building system and infrastructure devices, e.g. air conditioning, heating, ventilation, DALI lighting, photovoltaics, energy storage, electrical car chargers, Audio/Video equipment, etc.

euLINK can be a universal recorder of data collected from sensors, counters and other meters of various physical quantities.

It also works well as a protocol converter, incl. TCP/IP ↔ RS-232 / RS-485.

The standard euLINK version is based on Raspberry Pi 4B with 2GB of RAM

The euLINK Lite version is based on Raspberry Pi 3B+ with 1GB of RAM

## USING euLINK IS SIMPLY SMART. AS SMART AS YOUR INSTALLATION DESIGN CAN GET:



### TRULY SMART & INTEGRATED BUILDING

With euLINK the FIBARO smart building solution is now able to combine the most important management functions of an intelligent building: lights (including DALI), AC, heating, ventilation, recuperation, weather stations, security alarm and many other. This makes a safe, "green", and energy-efficient living environment. One app to control (almost) everything.



### UNIQUE & UNIVERSAL

The euLINK is effectively a common communication platform for all building installations and objects operating in the IoT (Internet of Things) space. It can combine electrical, teletechnical, HVAC (heating, ventilation, air conditioning), alarm installations, sound systems, monitoring, building security, metering and all others operations in a building. It is THE ONLY SOLUTION on the market dedicated to the FIBARO solution platform providing such a wide functionality.



### EASE OF USE:

#### SIMPLE INTERFACE & INFRASTRUCTURE MANAGEMENT

The configuration and system management of euLINK is performed via any web browser, e.g. Google Chrome, FireFox, Safari, etc. It is a convenient

solution - you can install the system from anywhere, depending on your preferences and needs.



### FIGHTING „BABEL TOWER” BY APPLYING COMMON LANGUAGE

With euLINK we are bringing back the universal language of communication been the "dialects" from different manufacturers of the infrastructure devices.



### INTUITIVE INSTALLATION:

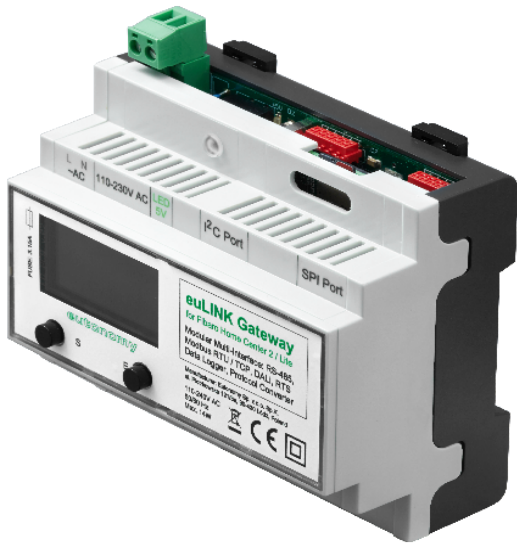
#### NO PROGRAMMING SKILLS ARE REQUIRED.

Yes, no programming skills are needed to install and run the infrastructure devices via the euLINK gateway. Once a device template is selected and configured, the appropriate euLINK driver sends a sequence of FIBARO API commands, which automatically creates a virtual device - ready to communicate with the euLINK and the related infrastructure device. New infrastructure devices become visible in your FIBARO app (on a smartphone, tablet, computer) and are immediately available for creating scenes.

## The most important functions of the euLINK gateway:

- Support for RS-485 serial transmission (up to max. 5 independent buses)
- Support for RS-232 serial transmission (max. 4 independent ports)
- Communication in the MODBUS RTU protocol (up to max. 5 MODBUS segments, up to 32 devices on each segment, up to 160 MODBUS RTU devices in total). For performance reasons we recommend to connect no more than 2 MODBUS segments to 1 euLINK Lite.
- Communication in the MODBUS TCP protocol up to max. 32 devices
- Cooperation with FIBARO HC2, HC Lite, HC3, HC3 Lite and Yubii controllers via FIBARO REST API
- Support for up to 4 euLINK DALI ports, each of which is capable of handling 64 DALI luminaires. For performance reasons we recommend to connect no more than 2 euLINK DALI ports to 1 euLINK Lite.
- Built-in TCP/IP ↔ RS-232 / RS-485 converter
- Clock synchronized with NTP for issuing defined commands for subordinate devices

# TECHNICAL DATA



## Power supply:

Supply voltage: 100 - 240V AC, 50-60 Hz  
Power consumption: 14W maximum  
Protections: replaceable slow-blow fuse 2A/250V, 2A/5V PTC polymer fuse

## Physical parameters:

euLINK housing dimensions: 107 x 90 x 58 mm,  
DIN TH35 rail mounting, 6 TE modules  
euLINK DALI port dimensions: 35 x 90 x 58 mm,  
DIN TH35 rail mounting, 2 TE modules

## Environment:

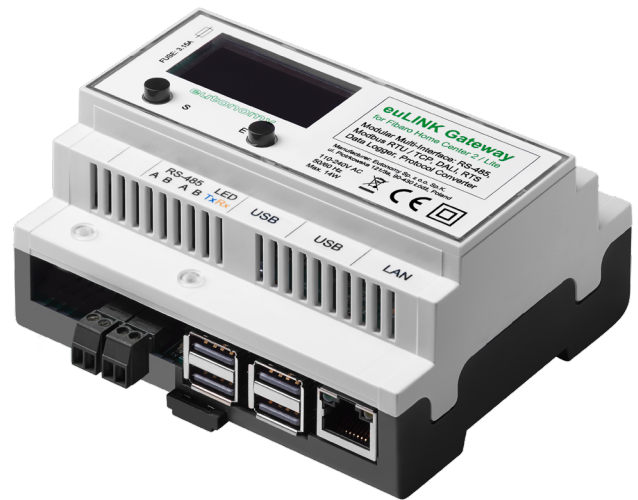
Working temperature: from 0°C to + 40°C  
Relative humidity: ≤90%, non-condensing  
Protection degree: IP20

## Hardware platform:

Microcomputer:  
- **euLINK**: Raspberry Pi 4B, CPU 1.5 GHz, RAM 2 GB  
- **euLINK Lite**: Raspberry Pi 3B+, CPU 1.4 GHz, RAM 1 GB  
Operating System: Linux Ubuntu  
Flash memory: 32 GB microSD card  
Internal display: 1.54" OLED with 2 buttons for basic configuration and diagnostics

## Communication:

Serial transmission: built-in RS-485 serial port with a 120Ω terminator switched by software, separation galvanic up to 1kV  
Wired LAN port: Ethernet 10/100/1000 Mbit/s  
Wireless transmission: WiFi 802.11b/g/n/ac and Bluetooth 5.0 (euLINK Lite: 4.2 / BLE)  
USB ports:  
- **euLINK**: 2 x USB 2.0 ports + 2 x USB 3.0 ports  
- **euLINK Lite**: 4 x USB 2.0 ports  
Communication with expansion modules: external ports SPI and I<sup>2</sup>C buses, 1-Wire port  
Compatibility with DALI luminaires: IEC62386 type II master



## PACKAGE CONTENTS:

- euLINK gateway.
- AC and RS-485 plugs.
- User manual.

## JOIN THE COMMUNITY OF INSTALLERS:

Submit your euLINK questions at [forum.eutonometry.com](https://forum.eutonometry.com)

## WHERE TO BUY:

Direct Orders:  
Eutonometry Sales Department: [sales@eutonometry.com](mailto:sales@eutonometry.com)

Available at the retail chain and at FIBARO® stores

[www.eutonometry.com](http://www.eutonometry.com)  
+48 42 942 0730

Eutonometry Sp. z o.o. Sp. K.  
Piotrkowska 121 / 3a, 90-430 Łódź, Poland

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