

## EDL 1000: Energy Data Logger for EMS



EDL1000F001

### How energy efficiency is improved

The SAUTER EMS hardware module allows you to keep an eye on your energy consumers. The energy data logger collects data from your system and sends it to the EMS server. This enables you to monitor your energy consumers at all times, even if you do not operate a building management system (BMS).

### Features

- No moving parts
- No fan
- Flash card as storage medium
- Power supply via terminal block connector using Phoenix screw terminals<sup>1)</sup>
- Delivery includes adaptor for fitting onto top-hat rail as per EN 60715

### Technical data

#### Power supply

Power supply	9...36 V= (min. 36 W)
Power consumption	12 W (typical)

#### Ambient conditions

Operating temperature	-10...70 °C
Admissible ambient humidity	95% rh at 40 °C, no condensation

#### Architecture

Processor	Intel Atom N450, 1.67 GHz
Memory	2 GB DDR2 SDRAM Built-in
Printer port	1 × DB25
Audio	5.1 Audio channel HD audio

#### Interfaces and communication

Ethernet	Dual 10/100/1000 Base-T RJ-45
COM	2 × RS-232/485 (COM 1-2), 2 × RS-232/422/485 with 128 kB FIFO (COM A-B)
Display	DB 15 VGA connector
USB	6 × USB 2.0 supported
Extension	1 × PC/104+ and PCI-104 support

#### Construction

Fitting	Wall fitting, DIN-rail VESA
Dimensions W x H x D	255 × 50 × 160 mm
Weight	2.5 kg

#### Standards and directives

EMC directive 2004/108/EC	FCC class A, CE, Energy Star
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#### Overview of types

Type	Description
EDL1000F001	Energy Data Logger 1000 including 10 data points (DP) for data acquisition and drivers for BACnet/IP, M-Bus and Modbus (IP-RTU), KNX IP and DIN mounting kit

#### Accessories

Type	Description
EDL1000F002	EDL 1000 update for each 10 data points (DP) from 11 to 100 DP
EDL1000F003	EDL 1000 update for each 100 DP from 101 to 1000 DP
EDL1000F004	EDL 1000 update for each 1000 DP from 1001 to 10000 DP

<sup>1)</sup> Power supply not included in delivery



**Description of operation**

The SAUTER EDL makes it possible to connect systems to an EMS server without a BMS, thus utilizing all the benefits of SAUTER EMS. SAUTER EMS is a professional energy data management solution which can be installed as a cloud solution (hosting) or also locally as a non-hosting or system solution. The SAUTER EDL has a broad range of integrated drivers for connecting your system, with the drivers for BACnet/IP, Modbus (IP/RTU), M-Bus and KNX IP included in the basic package. An additional converter (EIA-232 → M-Bus) is needed for the M-Bus.

**Intended use**

This product is only suitable for the purpose intended by the manufacturer, as described in the “Description of operation” section. All related product documents must also be adhered to. Changing or converting the product is not admissible.

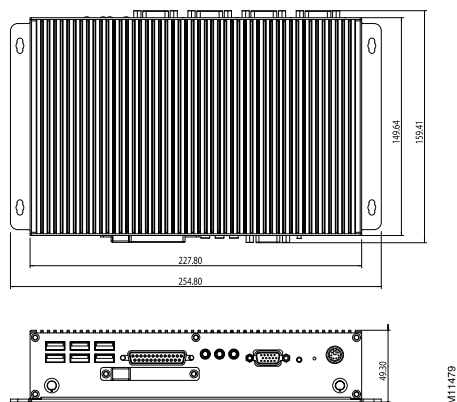
**Engineering notes**

The EDL can handle up to 10000 data points. All available drivers are already contained in the EDL and are activated using a licence key. Data points are configured within the network by a development studio via LAN connection and downloaded to the EDL. Alarms can be defined for every relevant data point. Local alarms can also be forwarded via e-mail and/or SMS. There is also an option for defining time switch programs. The quantity depends on the driver and local conditions.

**Disposal**

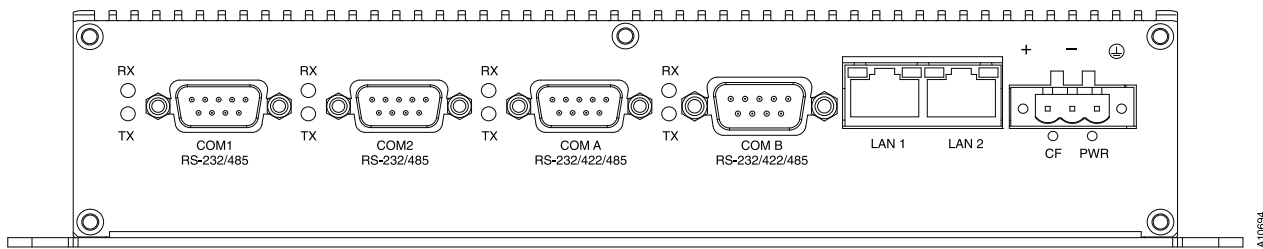
When disposing of the product, observe the currently applicable local laws. More information on materials can be found in the Declaration on materials and the environment for this product.

**Dimension drawing**

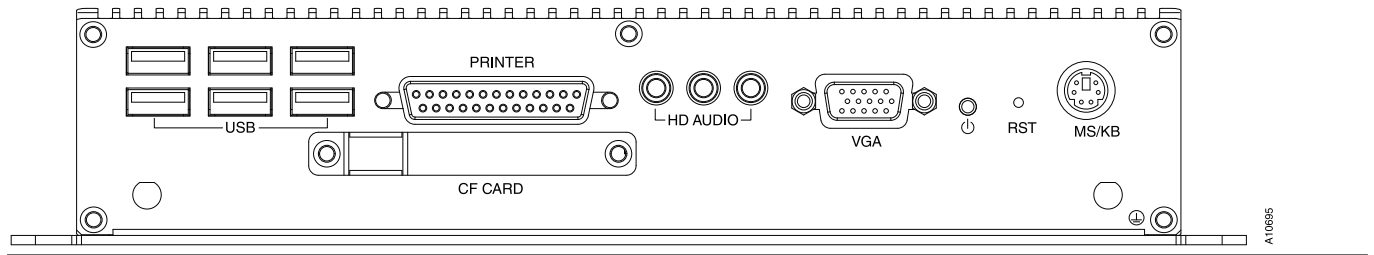


**Connection diagram**

Front view of EDL1000



Rear view of EDL1000



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