



## piCAN-Logger



### Features

- Data logger
- EnergyBus compatible
- CAN-Interface
- Power supply
  - USB (5V DC)
  - CAN/EnergyBus (12V DC / 24V DC (optional))
- Status indication



### Overview

piCAN-Logger has been designed for recording and reading CAN-Bus messages. The captured data can be visualized either in real time or cached for later analysis on an integrated  $\mu$ SD card. The CAN messages are received, stored and filtered according to the configurations.

A rugged aluminum housing allows the use of the data logger in harsh environment and offers numerous mounting options. The device is powered by the USB port (5V DC) or via the EnergyBus interface (CAN, 12V DC). The open form of firmware as well as the high performance of the Microcontroller allow the integration of the device into EnergyBus systems.

Applications:

- Data logging
- Transient recorder
- Bus-Monitoring
- Protocol analysis

### Details

#### Basics

Processor	32 bit ARM Cortex M4F microcontroller Speed up to 160MHz 512 kByte Flash 64k Byte SRAM
Memory	custom $\mu$ SD-card

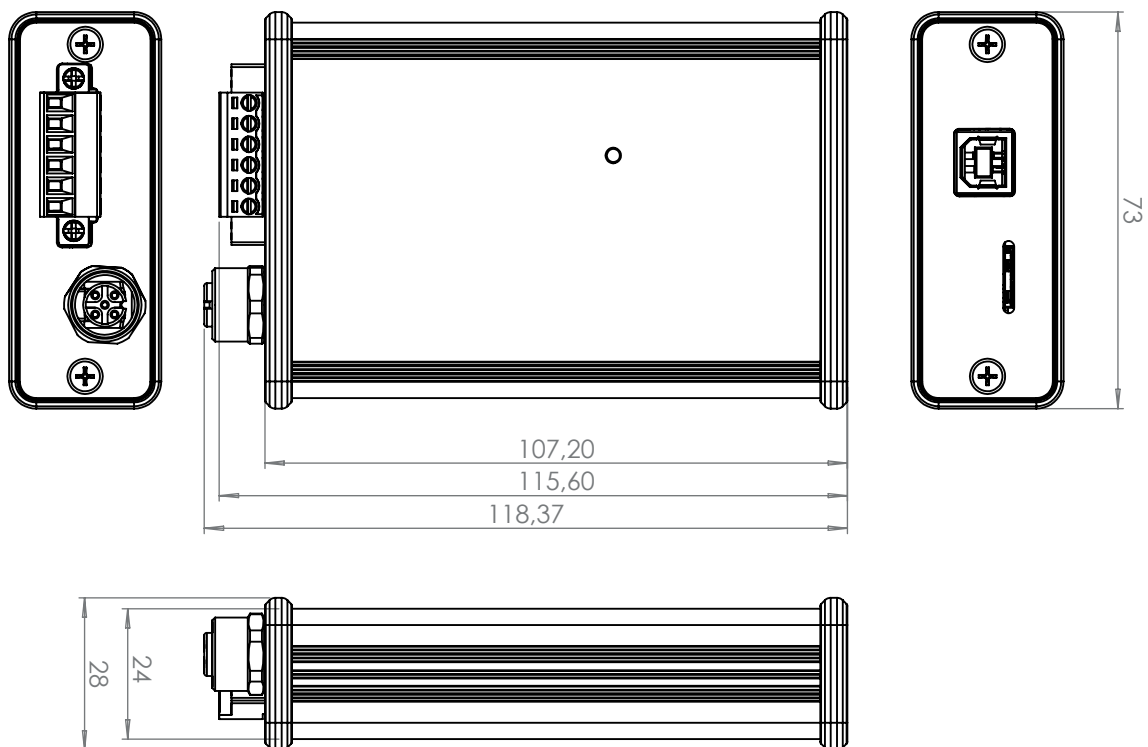
## Interfaces

CAN-Interface	1 x CAN via M12 plug connector Isolated to 3kV
	Supports up to 1Mbps data rate EnergyBus-capable
USB (optional)	1 x USB Type B (Device)
RGB-LED	1 x RGB-LED for status display

## Other properties

Power supply	5VDC via USB 12VDC via CAN Bus (VAUX EnergyBus) 24V DC optional
Temperature range	-20°C to +60°C
Housing	Aluminium housing Dimensions: 73 x 28 x 100 (W x H x D)
RTC	Real-time clock with backup battery

## Schematic Drawing



Scale: 1:1