

*"These seem to be about the ONLY affordable CAN loggers on the market"*  
- PG Engineered Control Solutions

CANLOGGERX000

# TECH SPECS

PORTFOLIO & PRICES

PRODUCT OVERVIEW

TECHNICAL SPECIFICATION





## CANLOGGER1000

Our most affordable logger with all the basic features

# 169 EUR



## CANLOGGER2000

Our top selling logger with real-time clock for time stamps

# 229 EUR



## CANLOGGER1000

Our newest logger with real-time clock and WiFi functionality

# 399 EUR

# PRODUCT OVERVIEW

The CANLoggerX000 offers simple and user friendly logging of data from a CAN-bus without the use of a computer. Data are stored on a standard 8GB (16GB for the CANLogger3000) SD-card in a simple format such that it can be directly loaded into an analysis tool for post processing. The logged data can be transferred to a PC using a standard mini-USB cable and requires no special software - though we do offer a powerful free tool, CANvas for configuration and data conversion.. Further, the logger can act as a CAN interface and stream live data through the open source free Wireshark platform.

For advanced users, the device offers a wide range of configuration options, such as message filtering, down-sampling, automatic bit-rate detection, cyclic-logging, heartbeat signal and runtime logging control.

The ability to enable message filtering and configure which data fields to log combined with the huge available storage capacity makes the device suitable for long-term stand-alone data logging.

The device configuration can be done on a PC and requires no special software. To test the CAN-bus connection, the device supports real-time CAN-bus traffic to be displayed directly on a PC via USB-connection.

The device uses a standard D-sub 9 connector to connect to the CAN-bus and a removable mini-USB cable to connect to a PC.

## KEY FEATURES



- 2-in-1: Stand-alone CAN logger with SD card and USB CAN interface
- Works for all high speed CAN networks (ISO 11898-2), 5-1000 kbps
- Protocol independent: Log data across e.g. SAE J1939, OBD2, CANopen
- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B) identifiers
- Plug & play with bit rate auto detection (no configuration needed)
- Ultra-compact (6.7 x 4.3 x 2.4 cm), light-weight (45 G) and 3 LEDs
- Power via USB or CAN bus (DB9, <1W) - OBD2 / J1939 adapter options
- Massive 8+ GB SD memory capacity (store 250+ million CAN messages)
- Advanced options: Silent mode, cyclic logging, filters, transmit, ...
- Free CANvas software: Configure, stream CAN data, convert via \*.DBC
- Free Wireshark plugin: E.g. stream human-readable data (\*.DBC, OBD2)
- Real-time (calendar) clock with battery (2000 & 3000) and WiFi (3000)
- CE, FCC, IC, RoHS certified with 2-year warranty
- Passionate Danish team: Free quality support, new features & guides!

# TECHNICAL SPECIFICATION

<b>GENERAL</b>	
Functionality	Data logger and real-time CAN interface
LEDs	Logger status via three externally visible LEDs
Firmware	Supports free firmware updates for adding features
Software	Free CANvas software for configuration, streaming & conversion
Safety	CE, FCC, IC, RoHS certified
<b>CAN BUS</b>	
Standard	Compliant with physical layer standard ISO 11898-2
Identifiers	Compliant with CAN specifications 2.0A (11-Bit ID) and 2.0B (29-Bit ID)
Bit Rate	Bit rates up to 1 Mbps (manually configured or automatically detected)
Bit-rate auto-detection	Yes
Protocol Support	Protocol independent (i.e. able to log J1939, CANopen, OBD2, ...)
Filters	Advanced message filtering on four configurable channels
Silent Mode	Yes (does not affect CAN-bus transmission)
Fail-Safes	The device does not terminate the CAN-bus internally
<b>DATA LOGGING</b>	
SD Card	8-16 GB SD card (not replaceable in CANLogger3000)
Real-Time Clock	Yes (CAN messages are time-stamped with 1ms resolution)
Control Signal	Logging state (enabled/disabled) can be changed run-time using a control message
Heartbeat Signal	Supports heartbeat signal to periodically indicate logger status
Cyclic Logging	Supports cyclic logging mode (oldest log file is deleted when file system is full)
Down Sampling	Channel specific message down-sampling to reduce frequency of logged messages
Transmit	Transmit up to 20 customized CAN bus messages (e.g. for OBD2 queries)
File System	Standard FAT file system
<b>WIFI (CANLOGGER3000)</b>	
Modes	Access Point (AP), Station (STA), FTP Push
Transfer Modes	Pull, Push
Wireless Transfer Speed	Up to ~70 Mbps (~9 MB/s)
LAN Standard	802.11 b/g/n
Security	WEP, WPA, WPA2 and customizable password
<b>SUPPLY</b>	
Power via CAN-bus	Power can be supplied from CAN-bus or from the USB
Via CAN bus	Power supplied by the CAN bus (+7.0V to +36V DC)
Protection	Reverse voltage protection + transient voltage pulse protection on CAN-bus supply
Power via USB	Power supplied by USB (+5.0V DC)
Consumption	The logger's CAN-bus power consumption is approximately 1 W
<b>MECHANICAL</b>	
Enclosure	Robust, small enclosure
Dimensions	66.7 x 42.7 x 23.5 mm (L x W x H)
Weight	45 grams
Connector	Standard D-sub 9 (DB9) connector (OBD2, J1939 adaptor optional)
Temperature	Operating temperature: -20degC to +80degC
RTC (CANLOGGER2000/3000)	Built-in real-time-clock with calendar and battery backup
	Date and time information are added to log files
	Battery backup with more than two years of battery capacity
IP Rating	IP Rating 30

# FOR RE-SELLERS/PARTNERS

At CSS Electronics we partner with strong re-sellers that can help us reach new customers and see potential in our data loggers.

We believe in fair, open and honest relations - feedback is core to us. Below you will find a details on our volume discounts and terms.

## VOLUME DISCOUNTS

We offer our re-sellers volume discounts as below:

- 1st batch intro discount 10% discount
- Batches of 20+ units 10% discount
- Batches of 50+ units 15% discount
- Batches of 100+ units 17% discount
- Batches of 200+ units 20% discount

All batches of 10+ units come with free FedEx priority shipping. The batches can consist of a mix of CANLoggerX000 types.

For the CANLogger3000, we can offer an additional 5% discount on all the above.

## PAYMENT TERMS

We can offer 30 days payment terms on all orders to re-sellers.

## RE-LABELING

We allow relabeling of the CANLoggerX000 series by re-sellers.

## SUPPLY

Our loggers are designed in Denmark, while most of our production is outsourced to the US. This allows for a scalable setup where we can meet large-scale orders quickly and with top quality. All loggers are CE, IC and FCC certified.

100% of our loggers go through testing before they are shipped.

## CONTACT US

Are you interested in learning more?  
Please contact us at [mf@csselectronics.com](mailto:mf@csselectronics.com) or +45 76 43 46 25

We look forward to working with you!