# CLX000
## Low cost CAN logger & interface

**PLUG & PLAY:** Log data out-the-box. Standalone. Power via CAN connector

**STREAM:** Send/receive CAN data in real-time to PC via USB in SavvyCAN (DBC support)

**STANDALONE:** Log CAN data to 8-32 GB SD card (no PC needed). RTC (CL2000)

**FREE SOFTWARE:** All software is 100% free. DBC convert data via simple Windows GUI tool

**COMPACT:** Only 7 x 4 x 2 CM. 50G. 3 LEDs. Mini USB port for SD extraction + streaming

**LOW COST:** Lowest cost CAN logger & interface on the market

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The plug & play CLX000 is a simple-to-use CAN logger. The device logs CAN data to an 8-32 GB SD card or streams it via USB to a PC.

For the CL2000, data is date & time stamped via a real-time clock with battery backup.

The CLX000 is used in blackbox logging, reverse engineering or simple telematics use cases. For logging or WiFi use cases, see also the '2nd generation' CANedge series.

## Compact CAN logger + interface
The CLX000 lets you both log raw CAN data to an 8-32 GB SD card and/or stream it via USB in real-time:

- Power via DB9 connector (<1W power consumption)
- Auto-detect bit rate - no configuration required
- Log raw CAN data in simple CSV format
- Easily extract data from the SD card via USB
- Configure device via simple CONFIG.INI file or editor
- Silent mode, filters, transmit lists, cyclic logging
- Timestamp data via real-time clock (CL2000)
- Stream data in real-time via USB in SavvyCAN
- Transmit custom data with real-time control
- DBC convert logged/streamed data via free software

## Technical specs

### GENERAL

| | |
|---|---|
| Safety | CE, FCC, IC certified |
| Warranty | 1-year warranty |
| Support | Free, fast & high quality support |
| Origin | Denmark |
| Software | 100% free |
| Documentation | Online/PDF documentation |

### CAN BUS

| | |
|---|---|
| Channels | 1 x CAN (Classical) |
| Protocols | J1939, OBD2, CANopen, NMEA2000, ... |

### DATA LOGGING

| | |
|---|---|
| SD CARD | 8-32 GB SD card (extract via USB) |
| Real-Time Clock | 1 ms resolution (CL2000) |
| File format | CSV-style plain text format |
| Safety | 100% power safe |
| Configuration | Simple configuration options |

### USB STREAMING

| | |
|---|---|
| Stream | Send/receive raw/decoded CAN data |

### MECHANICAL/SUPPLY

| | |
|---|---|
| Connectors | 1 x DB9 (adapter cables available) |
| Input supply | +7V to +32V DC via DB9 |
| Consumption | <1W |
| Dimensions | 66.7 x 42.7 x 23.5 mm (L x W x H) |
| Weight | 50 G |
| LEDs | 3 external LEDs (PWR, DATA, MEM) |
| Temperature | -20 degC to +65 degC |
| IP rating | IP40 |
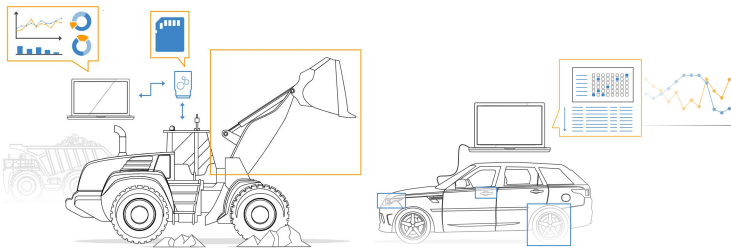
## Send/receive data in real-time via USB
With the free SavvyCAN software, it's easy to send/receive CAN data via USB. View raw traces, DBC decoded signals or create visual plots. The software also adds powerful reverse engineering tools.

Firmware update — Red LED
Mini USB Connector
Yellow LED
Green LED
DB9/CAN Bus connector
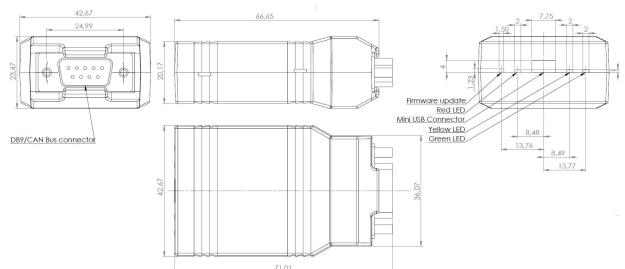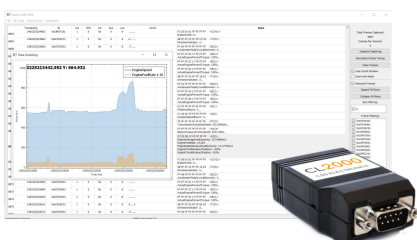
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