CAN bus data loggers

simple-to-use. pro specs. interoperable.

Your data, your way. Easily log CAN data from your vehicle / machine - and extract it via SD or WiFi. Process the interoperable data in your favorite tools - or via 100% free open source software/APIs.

Perfect for vehicle telematics, OEM development, diagnostics and more.

The plug & play 2xCAN/LIN logger records timestamped CAN data (Classical/CAN FD) to the extractable 8 GB industrial SD card.

The device includes GNSS/IMU, adding data like position, speed, attitude, acceleration and more.

Pro specs CAN logger - at half the cost

The CANedge combines innovative design, cutting-edge components - and incredibly low costs:

- Dual high speed CAN/LIN (incl. CAN FD) channels
- Extractable 8-32 GB industrial SD card (months of data)
- Binary MDF4 l0g file format (extensive tool support)
- Advanced message filtering & transmit functionality
- Start/stop logging triggers based on CAN ID & databytes
- Silent mode, bit rate auto-detection, cyclic logging
- Data compression & encryption (e.g. for GDPR, CCPA)
- Fast boot time. Safely disconnect during use

Technical specs

GENERAL

Safety	CE, FCC, IC certified
Voltage tests	Transients ISO 7637-2:2011 by TÜV SÜD
Warranty	1-year warranty
Support	Fast & high quality support

MECHANICAL/SUPPLY

Connectors	2 x DB9 (adapter cables available)
Input supply	+7V to +32V DC via Channel 1 DB9
Consumption	<1W
Dimensions	52.5 x 81.4 x 24.5 mm (L x W x H) ex ant.
Weight	100 G
LEDs	5 external LEDs (PWR, CH1, CH2, MEM, WFI)
Temperature	-25 degC to +75 degC
IP rating	IP40

CAN BUS/LIN BUS

Channels	2 x CAN/CAN FD + 2 x LIN 2.0 (slaves)
Protocols	J1939, OB2D, CANopen, NMEA2000, FD, ...
Bit-rate	Auto-detect/simple/advanced customization

DATA LOGGING

SD CARD	8-32 GB extractable industrial micro SDHC
Real-Time clock	50 us resolution (incl. battery backup)
File format	MDF4 (.MF4) - easily process/convert
Safety	100% power safe
Configuration	Advanced configuration options

CANedge1

2x CAN Bus Data Logger
(SD + RTC + GNSS/IMU)

CANedge2

2x CAN Bus Data Logger
(SD + WiFi + GNSS/IMU)

CANedge3

2x CAN Bus Data Logger
(SD + 3G/4G + GNSS/IMU)

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

PRO SPECS
Extractable 8-32 GB SD
2xCAN/LIN. CAN FD
Zero data loss. 50 us RTC

COMPACT
Only 8 x 5 x 2 CM
100G. Alu enclosure. 4 LEDs
Configure CH2 5V power out

SECURE WIFI
Push data via
WiFi to your own server
Enterprise-grade security
(Only CANedge 2)

GNSS + 3D IMU
Built-in GNSS/IMU. 3x accuracy
via sensor fusion. Position,
speed, acceleration & more

CONFIGURABLE
Filters. Transmit lists
Triggers
Cyclic logging. Silent mode

FAST & SECURE
Industrial SD card
Data encryption for GDPR/CCPA
Compression

INTEROPERABLE
Convert MDF4 to e.g.
CSV, ASC, TRC
Free open source GUI/API

MANAGE FLEET
Easily update config/FW
over-the-air across fleet
Auto-sync RTC via WiFi
(Only CANedge 2)

SECURE 3G/4G
Push data via 3G/4G to your
own server. Update over-the-air.
SIM slot + optional SIM. E2E
security (Only CANedge 3)

- The CANedge1 is ideal for logging of CAN/LIN systems over long periods -e.g. for OEM R&D, diagnostics or legal purposes. The small device connects via WiFi access points (e.g. WLAN or 3G/4G routers) to securely push data to your server. Further, the device can he undated over-the-air.
- The CANedge2 is ideal for telematics & fleet management - as well as R&D field tests, diagnostics and predictive maintenance.
- The CANedge3 is ideal for telematics, R&D field tests, diagnostics and predictive maintenance.