

# HUMS LOGGER

## PRESENTATION



**DOBACK is a Plug&Play CAN recorder** that logs vehicle CAN data.

Ideal for fleet management, R&D, diagnostics, and predictive maintenance.

Data processing, frame filtering, and generation of customized requests.

Vehicle telematics through an interface for simple and fully customizable data visualization.

## FEATURES

<p><b>PLUG &amp; PLAY</b></p> <p>Immediate, independent data recording</p>	<p><b>GPRS/UMTS &amp; LTE 4G/3G/2G Wi-Fi (Optional)</b></p> <p>Mobile &amp; wireless connectivity</p>	<p><b>IP Rating</b></p> <p>Industrial-grade protection</p>
<p><b>Removable SD Card 8 to 32 GB</b></p> <p>Local data storage</p>	<p><b>GPS/GNSS (Optional)</b></p> <p>Vehicle geolocation</p>	<p><b>Manual &amp; Remote Data Download</b></p> <p>Flexible data retrieval</p>
<p><b>2 CAN Channels CAN 2.0A/B, J1939 J1708, OBDII</b></p> <p>Multi-protocol support</p>	<p><b>Interoperability Open &amp; Free Software</b></p> <p>Open-source compatible</p>	<p><b>Internal Battery Backup with RTC</b></p> <p>Uninterrupted operation</p>
<p><b>Ideal for Fleet Management</b></p> <p>Connected fleet solutions</p>	<p><b>Secure Wi-Fi E2E Security &amp; Data Encryption</b></p> <p>Cybersecurity built-in</p>	<p><b>Data Visualization Interface</b></p> <p>Intuitive dashboards</p>

## DOBACK VS COMPETITION

FEATURE	DOBACK HUMS	OTHER SYSTEMS
Plug & Play	✓	x
Data Processing API	✓	x
Secure Data Transmission	✓	x
Easy Installation	✓	x
Individualized Configuration	✓	x

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## PLUG & PLAY

Record data immediately and independently. Connect your CAN bus to your server in less than 2 minutes. Pre-configured to the client's specifications, the HUMS Logger device is designed to work automatically the moment it is connected.

## FLEET MANAGEMENT

Connect your entire vehicle fleet and keep it updated easily via wireless. Automatically synchronizes any data through the server.

Implement vehicle telematics **with no subscription costs** and the following advantages:

- Upload data to your own local/dedicated cloud server.
- Add up to 10 Wi-Fi access points for automatic downloads.
- Configure size and division of data log files.
- 100% Secure: HTTPS, credential encryption, etc.
- Configure and manage wirelessly.
- No update costs.
- Free web interface for data visualization.

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## ALARM SYSTEM

Through the data visualization software, different customizable control panels can be configured. You can manage different alarms for driving behavior, operation, maintenance, etc.

## GPS / GNSS

Incorporates GPS to geolocate your vehicle fleet and implement driving guidance and improvements.

Full GNSS support (GPS, Galileo, BeiDou, GLONASS). High precision through sensor fusion, even in GNSS-hostile areas.

Incorporates IMU with built-in gyroscope for added geolocation precision and transmits all position data in the same file as vehicle CAN data, saving processing time.

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## DATASHEET

### ELECTRICAL INFORMATION

NOMINAL VOLTAGE	24V
MAX / MIN	9 / 34V
NOMINAL CONSUMPTION	0.23A
MAXIMUM CONSUMPTION	0.75A

### CAN COMMUNICATION

COMMUNICATION TYPE	CAN BUS compatible with ISO 11898 (e.g. J1939, J1708)
SUPPORTED SPEEDS	125 / 250 / 500 / 1000 Kbps
IDENTIFIERS	11 / 29 BITS – CAN 2.0A and CAN 2.0B

### ANALOG COMMUNICATION

SIGNAL TYPE	VOLTIMETRIC 0.5V – 4.5V
CALIBRATION TYPE	Any
FILTERING	Any

### CONNECTIVITY

WI-FI	BLUETOOTH	DATA	GPS/GPRS
IEEE 802.11 b/g/n 2.4 GHz single band WPA/WPA2	5.2 Dual mode	RS232 RS485 ETHERNET	GPS/GNSS/GALILEO 4G/3G/2G with SIM GPRS/UMTS

### CYBERSECURITY

HTTPS communication, message encryption, and E2E security

### CERTIFICATIONS & SAFETY

CE, FCC, IC, RoHS (see documents), IP67