DATASHEET



SD-Logger

Danlaw's SD-Logger is a one-of-a-kind, OBD-II connected device that enables real-time, dual-channel vehicle CANBUS data capture, along with GNSS position and 3-axis accelerometer data. All data is logged, time-stamped, and stored on the device's removable SD-Card for easy retrieval and analysis. The SD-Logger uses Danlaw's industry leading OBD-2 vehicle connectivity and is manufactured to automotive grade standards.

Markets

In-Vehicle Data Logging
OEM Vehicle Quality and Testing
Tier-1 ECU In-Vehicle Testing
In-Field Vehicle Issue Data Capture
Captive Test Fleet Data Collection
Connected Vehicle Research
Custom Applications



Features

CAN Bus data capture via: HSCAN, MSCAN, and SWCAN

SD Card data storage (up to 128GB)

Industry-leading vehicle compatibility

Self-Installed - plug-n-go via OBD-II port

Self-Contained - no external wires

Ignition ON/OFF detection

Bluetooth Low Energy (BLE) Support

3-Axis Accelerometer - 13-bit sampling

Self-Normalizing Accelerometer

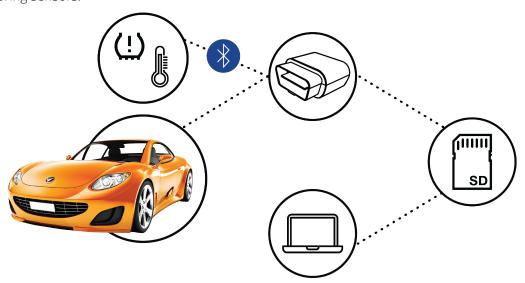
56 Channel GPS/GLONASS

Easy-to-use device configuration

Same small size as 7 and 8 Series

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Danlaw's SD-Logger supports HSCAN, MSCAN, and SWCAN vehicle BUS data collection via the OBD-II port. Using the SD-Logger's configuration utility, OEM's and Tier-1 suppliers can easily import DBC CAN message database files and configure the device to capture selected data. This may include CAN message IDs, signal data, GNSS position, and 3-axis accelerometer information. The device is also capable of collecting sensor data from BLE-based sensors, including TPMS and temperature monitoring sensors.



The SD-Logger device enables direct connectivity between vehicles, Bluetooth-enabled sensors, SD-enabled computers, and backend servers.

DANI AV

SD-Logger

Ultra Compact (L = 43 mm, W = 46 mm, H = 23 mm)
32.1 g (1.13 oz)
IP64
-40°C to +85°C (operating) -40°C to +85°C (storage)
0% to 95% (non-condensing) (SAE J1455)
SAE J1455, SAE J1211
FCC Certified
RoHS Compliant
12V (min. 9V to max. 18V)
<4 mA Average (sleep mode) <100 mA @ 12VDC (data upload)
Over and Reverse Voltage, Load Dump (J1113/11), Short Circuit, Transients (ISO 167502), ESD (J1113/13)
Internal protection (2 amps)
GMLAN, FNOS, ISO-15765, ISO-9141-2, J1850 PMW, J1850 VPW, KWP-2000, ISO-14230-4
Automatic vehicle protocol recognition
Automatic wake-up from sleep mode
Automatic sleep mode on IGN OFF (saves power)
Bluetooth 4.0, BLE, Dual-Mode support, multi-phone pairing,
Secure Simple Pairing (SSP), Serial Port Profile (SPP)
Internal built-in Bluetooth Antenna
56-channel GNSS receiver and GLONASS
Tracking: -162 dBm Internal built-in GNSS Antenna
<29 seconds TTFF Sensitivity -148 dBm
<1 second Sensitivity -148 dBm
Typical 1 Hz
Position 2.5 m CEP
Integrated GPS anti-jamming
X, Y, Z output
+/- 2, 4, 8, 16 g (13 bit max sampling)
Self-Calibrating, Auto-Normalization of the data to the vehicle's
direction of motion
Self-Installed (10 sec or less)

Contact Us

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Data Collection Interval Configurable