

## MobilEYE™ CAN Data Logger



## Description

Presenting the CAN Data Logger from MobilEYE, LLC. The logger utilizes the MobilEYE Embedded Module and is the best low cost CAN data logger available today. The device utilizes standard SD cards for data storage, making it easy to retrieve data when needed, and is capable of logging at rates of 1ms. Built in key switch detection and keep-alive circuitry ensure clean shutdowns and proper file closures.

## Features

- CAN data logging
  - Utilize configuration files to limit data or change CAN bus speed (configurable via software utility provided)
  - Data logging is limited only by the size of the SD card
- Real-time clock with battery backup providing date/time information for log files
- Lightning fast firmware updates via SD Card
- Key switch detection
- Inbuilt push button switch for user triggered actions
- 3 Bi-Color status LED's
- Analog input (accessible from the harness) can be used for user triggered actions

## CAN:

- Single High Speed CAN 2.0B
- Full implementation of the CAN-Protocol in accordance with the CAN Specification Version 2.0B, ISO 11898-1

## Up to 1MB baud rate

## MMC/SD Card Reader:

- Utilizes industry standard SD cards up to 8GB

## Operating Environment:

- 6.5-27VDC
- -40°C to +85°C

## IO:

- Key switch detection
- Analog input for user triggered actions

## User Interface:

- 1 inbuilt push button switch for user triggered actions
- 3 Red/Green Bicolor LED's
- Analog input (via the harness) for user triggered actions

## Enclosure:

- Hammond 1593L - Black
- 3.6" x 2.6" x 1.1"

## Connector/Harness:

- Phoenix Contact (module utilizes part #1881529, harness uses mating part #1881406 – DigiKey Part #: 277-1438-ND)
- Harness utilizes a Phoenix Contact #1881406 to connect to the module and a Delphi PA6-GB20-GF10 connector for connecting to the CAN bus.

## Other:

- Real-time clock with battery backup
- CR2032 battery and SD card included
- Software utility provided to :
  - Set module date/time
  - Create configuration files