



## MobilEze™ Embedded Module



### Description

Introducing the MobilEze Embedded Module from MobilEze, LLC. Designed with affordability in mind, this CAN data logger utilizes standard SD cards for data storage and effortless data retrieval. Capable of logging at rates of 1ms, this device is an ideal choice for any CAN bus environment. Built in key switch detection and keep-alive circuitry ensure clean shutdowns and proper file closures.

### Features

- CAN data logging
- Real-time clock with battery backup providing date/time information for log files
- Lightning fast firmware updates via SD Card
- Key switch detection
- Software configurable warning horn
- Inbuilt push button switch for user triggered actions
- 3 Bi-Color status LED's
- USB Mini B connector allows the device to be powered from a standard USB 5V power source.
- RS232 interface
- 1 Analog input and 1 Digital input

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### Microprocessor:

- LPC 2368 ARM7 TDMI-S running at 72 MHz
- 512KB on-chip flash memory
- 32kB SRAM on the ARM local bus
- 8kB SRAM for general purpose DMA

### 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
- 1 Analog input (0 to 3.3V)
- 1 Digital input (Active low)
- 1 High Side Output (1a)

### 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:

- 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:

- USB 2.0 Mini B connector
- Real-time clock with battery backup