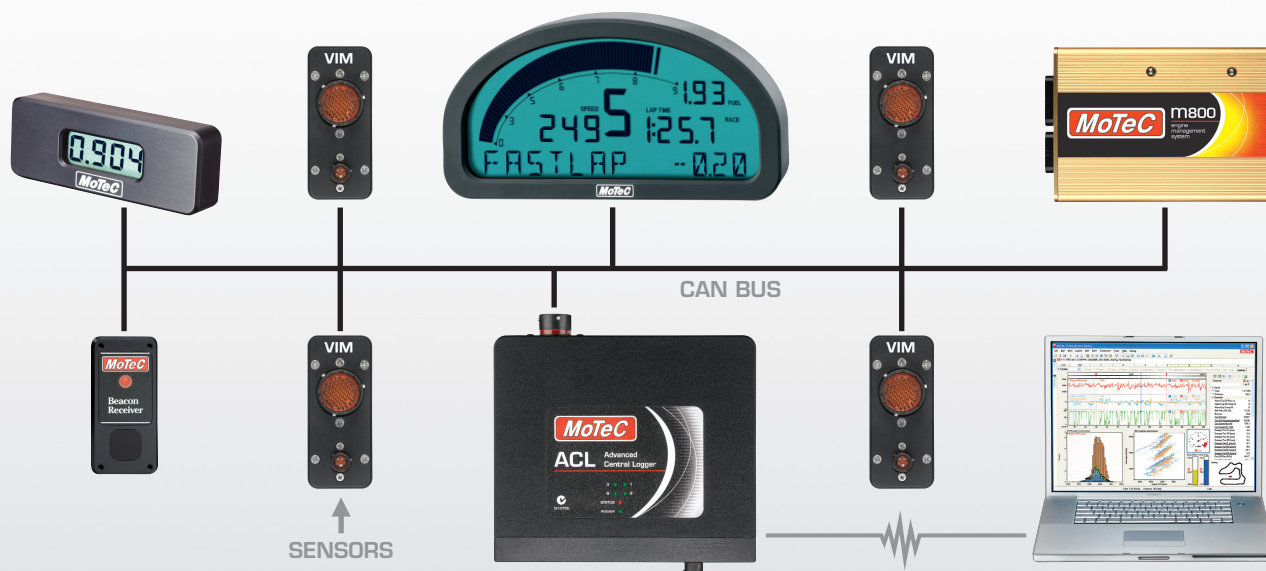


PREVIEW

CENTRAL LOGGING SYSTEM

The **MOTEC Central Logging System** has been developed as the ultimate acquisition and communications tool for those that place high demands on their data system. This system, to be released soon, consists of an **ACL (Advanced Central Logger)** plus multiple **VIMs (Versatile Input Modules)**.



ACL (ADVANCED CENTRAL LOGGER)

The ACL performs data logging, data communications and sophisticated calculations, as well as acquiring sensor data via the VIM expander modules. It also collects data from

other connected devices such as an ECU or Dash Logger.

The ACL has a very large logging capacity (8GB+), limited only by memory card sizes, with fast download via a wired or wireless Ethernet connection. It provides all the advanced features of **MOTEC's** ADL2 Dash Logger, including warning alarms, fuel prediction, engine logs, timers, tables, user conditions, telemetry and more.

Separate display devices can be connected to the ACL, including **MOTEC's** MDD, ADL2 and SDL.

Feature Summary:

- High performance microprocessor
- 8GByte+ using memory cards
- Very fast download via wired or wireless Ethernet
- Very fast logging rates, with combined rates of greater than 20MBytes per minute
- 200+ sensor inputs (using multiple VIM expanders)
- Compatible display devices include **MOTEC** ADL2/ADL Dash Loggers and MDD (Mini Digital Display)
- Comms interfaces include: 2 x CAN, 1 x RS485/422, 2xRS232, USB Host, 1xLIN, 1xJ1850(VPW)
- Dimensions: 154 x 128 x 28mm / 6.1 x 5.0 x 1.1 inches

VIM (VERSATILE INPUT MODULE)

The VIM is a compact and versatile input expander module with high resolution inputs. It has 24 Analog inputs of various types including eight differential inputs with programmable gain which are suitable for strain gauges and isolated thermocouples.

It also has 2 Digital Inputs with programmable trigger levels which are generally used for wheel speed measurement.

Multiple VIMs may be connected to the ACL Central Logger via a two wire CAN connection, allowing for more than 200 sensor inputs.

The distributed nature of the VIMs allows them to be located close to the connected sensors, minimising wiring complexity and weight.

Feature Summary:

- 2 x 16bit single ended inputs (2kHz)
- 8 x 16bit single ended inputs (500Hz)
- 8 x 16 bit differential inputs with programmable gain (500Hz)
- 6 x 12bit high speed inputs (5kHz)
- 2 x Digital inputs with programmable trigger levels
- Dimensions: 90 x 38 x 26mm / 3.5 x 1.5 x 1.0 inches



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