CANlog 3 and CANlog 4

Data Logger with Gateway Function for CAN Bus and LIN Bus

What are CANlog 3 and CANlog 4?

CANlog 3 and CANlog 4 log the data communication of CAN bus and LIN bus systems. They receive and save messages and then analyze them according to the specified configuration.

These loggers are compact companions in vehicles during test drives. They are easy to operate and log up to 64 MB. In addition, they can be used flexibly for different application areas, particularly for gateway applications.

Overview of Advantages

> Standalone tools for various logging tasks
> Long-lasting use in test vehicles due to low current consumption in sleep mode
> Extensive filter and trigger conditions for selective logging
> Flexible configuring with configuration software
> Offline analyses for detailed analysis of conspicuous events in CANoe, CANalyzer, CANape and vSignalzyer

Application Areas

> Data logger: Easy filtering, receiving, recording, and sending of messages and signals
> Classifier device: Processing and preparing of logged data for creating classifier tables
> Gateway: Alternatively, if an ECU is not to be connected directly to the CAN bus, CANlog can be used as a gateway for indirect bus connection.

Available I/O Boards

> D4I4O: 4 digital inputs (0 V ... 45 V), 4 digital outputs (5 V ... 45 V, 500 mA)
> D4I4O-L: Like D4I4O with additional 1 LIN interface
> A6I: 6 analog inputs (0 V ... 18 V, 12-bit resolution), 4 inputs available to user, 2 inputs only internal
> A6I-L: Like A6I with additional 1 LIN interface
> A8ID1: 8 analog inputs (0 V ... 18 V, 12-bit resolution), 6 inputs available to user, 2 inputs only internal, 1 TTL input and output
> A8ID1-L: Like A8ID1 with additional 1 LIN interface
> LIN Adapter: 1 LIN interface

More information: www.vector.com/canlog

Technical Data	
CAN channels	4 user-configurable CAN channels; CANlog 4 only: 1 measurement channel (Highspeed, standard ID)
CAN interfaces	Piggyback boards: Highspeed: 82C251, TJA1050, TJA1041; Lowspeed: TJA1054; Single Wire: TLE6255G; Truck & Trailer
LIN	1 LIN channel on I/O board or up to 8 LIN channels with external adapters
Memory	Per default with 2 MB; Optional for CANlog 3: Flash memory with up to 64 MB; Optional for CANlog 4: Flash card with up to 64 MB
Data transfer	CANlog 3: RS232 interface; CANlog 4: Flash card reader with 2.5 MBytes/s (USB 2.0) or USB 1.1 interface on device
Logger capacity for 64 MB	4.3 mio. messages (for DLC 8), up to 10 mio. messages (for DLC 0)
Data export	ASC, BLF, MDF for CANoe/CANalyzer/CANape/vSignalyzer, TXT for MS Excel
Outputs	6 LEDs of which 4 LEDs are user-configurable; loudspeaker for signal sounds
Control inputs/outputs	2 TTL inputs/outputs, 1 output (V24 level), valid for CANlog 4: 1 additional TTL output
I/O boards	Optional: Choice of board with digital inputs/outputs or analog inputs
Supply voltage	5 V ... 45 V
Sleep mode	Current consumption approx. 135 µA (typically with 4 wake-up-capable CAN transceivers)
Temperature range	-40 °C ... +70 °C
Dimensions	CANlog 3: Approx. 134 mm × 84 mm × 35 mm; CANlog 4: Approx. 140 mm × 144 mm× 35 mm

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