Kvaser Memorator HS/SWC

EAN: 73-30130-00234-0

Kvaser Memorator HS/SWC is a dual channel, intermediate performance, CAN (controller area network) bus interface and standalone datalogger. This device has one CAN channel for High-Speed CAN and the second for Single-Wire CAN . In interface mode, it connects to a PC with USB1.1. As a data logger, Memorator makes for a perfect flight recorder due its compact design. Logging data to a standard SD card (supplied) or MMC disk; triggers, filters etc. can be set via our user-friendly configuration program and stored on the flash disk.

Major Features

- One device for desktop and laptop. Quick and easy plug-and-play installation.
- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers.
- CAN messages are time-stamped with 10 microseconds resolution.
- Large on-board RAM buffer for CAN messages.

- Supports "listen-only" mode for bus analysis tools.
- Driver support for major operating systems.
- 100% compatible with applications written for Leaf, LAPcan, PCIcan, PCcan and USBcan with Kvaser's CANlib.
- One SD/MMC slot that accepts SD or MMC flash disks, currently up to 1 GB.
- One CAN connection ISO-11898 high-speed, 50kbit/s up to 1 Mbit/s (Philips TJA1050), plus second single-wire CAN connection.
- One USB 1.1 connection (12 Mbit/s). This connection is compatible with USB 2.0.
- Power from CAN bus or from the USB side.
- Built-in real time (calendar) clock with battery backup.
- Logger status is indicated with four externally visible LEDs.
- Plastic housing with dimension WLH about 509025 mm (circa 2 x 3,5 x 1 inch).
- NOTE: Product ships with Commercial Grade SD card (-20 to +70°C). Industrial Grade SD cards (-40 to +85°C) are available for additional purchase. Contact your local Kvaser office for details.

Warranty

- 2-Year Warranty. See our General Conditions and Policies for details.

Support

- Free Technical Support on all products available by contacting support@ kvaser.com.

Software

- Documentation, software and drivers can be downloaded for free at www.kvaser.com/downloads.
- Kvaser CANLIB SDK [link} is a free resource that includes everything you need to develop software for the Kvaser CAN interfaces. Includes full documentation and many program samples, written in C, C++, C#, Delphi, and Visual Basic.

- All Kvaser CAN interface boards share a common software API. Programs written for one interface type will run without modifications on the other interface types!
- J2534 Application Programming Interface available.
- RP1210A Application Programming Interface available.
- On-line documentation in Windows HTML-Help and Adobe Acrobat format.

Functions in Kvaser Memorator:

Triggers

Kvaser Memorator can log continuously, or logging can be triggered by external triggers (rising or falling edge) and/or by messages and signals on the CAN bus (triggered by identifier, or data contents.) Pre- and post-triggers are available.

Filters

To enhance logging performance, Kvaser Memorator can filter out selectable messages to be logged. The identifiers can be picked from a database, or all messages can be logged.

Memory cards

Standard MMC or SD type flash memory cards can be used. Larger memory cards, up to 1 GB, can be used. See our support pages for more information.

Configuration software in the PC:

- Configuration of the CAN controller, i.e. bit rate and filters.
- Configuration of the trigger conditions.
- Configuration of filter for messages to be stored.
- Configuration upload and download via USB.

TECHNICAL DATA - KVASER MEMORATOR HS/SWC

CONNECTOR	DSUB 9
EMBEDDED SCRIPT	No
INCLUDED CARD SIZE	128MB
SILENT MODE	Yes
SILENT MODE	Yes
CERTIFICATIONS	CE,RoHS
TIMESTAMP RESOLUTION (US)	30
CAN FD	No
INCLUDED CARD SIZE	128MB
OPERATING TEMPERATURE RANGE (C)	-25.00 to 85.00
WEIGHT (G)	150.0
DATABASE DBC SUPPORT	Yes
CURRENT CONSUMPTION	1W
OPERATING SYSTEM	Win 10,Win Vista,Linux,Win 8,Win 7,Win XP
STATUS	Active
LENGTH (MM)	90
GALVANIC ISOLATION	No
MINIMUM BITRATE (KBPS)	5
LENGTH (MM)	90
MSGRATE TX MAX	6000
ON-BOARD TX BUFFER	Yes
MAXIMUM BITRATE (KBPS)	1000
API, FREE	Kvaser API, J2534, RP1210
ON-BOARD BUFFER	Yes
ERROR FRAME GENERATION	Yes
SOUND	No
PC INTERFACE	USB

ERROR COUNTERS READING	Yes
GALVANIC ISOLATION	No
ERROR FRAME DETECTION	Yes
PRODUCT GROUPS	CAN Loggers
NETWORK CHANNEL(S)	1 x CAN HS,1 x CAN SWC
IP CLASS	IP30
ERROR FRAME DETECTION	Yes
WEIGHT (G)	150.0
CASING MATERIAL	PC-ABS
ERROR COUNTERS READING	Yes
API, LICENCED	None
CB BOARD	No
API, LICENCED	
RUGGED	No
CONNECTOR	DSUB 9
MINIMUM BITRATE (KBPS)	5
EMBEDDED SCRIPT	No
HEIGHT (MM)	25
MSGRATE RX MAX	12000
CERTIFICATIONS	CE,RoHS
STATUS	Active
HEIGHT (MM)	25
API, FREE	Kvaser API, J2534, RP 1210
CLOCK SYNC	No
MSGRATE TX MAX	6000
OPERATING TEMPERATURE RANGE (C)	-25.00 to 85.00
MSGRATE RX MAX	12000
PC INTERFACE	USB

MAXIMUM BITRATE (KBPS)	1000
ON-BOARD RX BUFFER	Yes
ON-BOARD BUFFER	Yes
MAX CARD SIZE	1
PRODUCT GROUPS	CAN Loggers
WIDTH (MM)	50
TIMESTAMP RESOLUTION (US)	30
ON-BOARD RX BUFFER	No
# OF CAN CHANNELS	2
# OF CAN CHANNELS	2
CAN FD	No
CASING MATERIAL	PC-ABS
CB BOARD	No
DATABASE DBC SUPPORT	Yes
SOUND	No
IP CLASS	IP30
NETWORK CHANNEL(S)	1 x CAN HS,1 x CAN SWC
PLAY BACK LOG FILE	No
WIDTH (MM)	50
ERROR FRAME GENERATION	Yes
PLAY BACK LOG FILE	No
MAX CARD SIZE	1
CURRENT CONSUMPTION	1W
ON-BOARD TX BUFFER	No
CLOCK SYNC	No
RUGGED	No
OPERATING SYSTEM	Win 10,Win Vista,Linux,Win 8,Win 7,Win XP

The information herein is subject to change without notice