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 officefor 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.
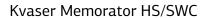
Configuration software in the PC:

- 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

MSGRATE TX MAX	6000
SOUND	No
HEIGHT (MM)	25
SILENT MODE	Yes
CB BOARD	No
ERROR FRAME DETECTION	Yes
PROMOTIONAL_TEXT	Two channel datalogger for High Speed and Single Wire CAN (SAE J2411).
WIDTH (MM)	50
TIMESTAMP RESOLUTION (US)	30
MINIMUM BITRATE (KBPS)	5
OPERATING SYSTEM	Win XP,Linux,Win 7,Win Vista,Win 10,Win 8
ON-BOARD BUFFER	Yes
MAX CARD SIZE	1
API, FREE	Kvaser API, J2534, RP 1210
CERTIFICATIONS	CE,RoHS
PC INTERFACE	USB
ON-BOARD TX BUFFER	Yes
CONNECTOR	DSUB 9
CASING MATERIAL	PC-ABS
LENGTH (MM)	90
ON-BOARD RX BUFFER	Yes
GALVANIC ISOLATION	No
OPERATING TEMPERATURE RANGE (C)	-25.00 to 85.00
STATUS	Active
IP CLASS	IP30
DATABASE DBC SUPPORT	Yes

CURRENT CONSUMPTION		1W
ERROR COUNTERS READING		Yes
EMBEDDED SCRIPT		No
RUGGED		No
# OF CAN CHANNELS		2
PRODUCT GROUPS		CAN Loggers
MAXIMUM BITRATE (KBPS)		1000
WEIGHT (G)		150.0
CLOCK SYNC		No
CAN FD		No
API, LICENCED		None
ERROR FRAME GENERATION		Yes
INCLUDED CARD SIZE		128MB
MSGRATE RX MAX		12000
NETWORK CHANNEL(S)		1 x CAN SWC,1 x CAN HS

The information herein is subject to change without notice