Kvaser Eagle

EAN: 73-30130-00567-9

NOTE: The Kvaser Eagle (73-30130-00567-9)has been marked "End of Life". Existing customers are encouraged to migrate to the Kvaser Memorator Pro 2xHS v2 (73-30130-00819-9).

Kvaser Eagle is a powerful dual channel CAN to standard USB high-speed data logger that is capable of running user-developed scripts. As a flexible, versatile, enhanced evolution of the Kvaser Memorator Professional, Kvaser Eagle offers more advanced logging and statistics collection capabilities than most other CAN interface products on the market. Eagle is also capable of collecting signal triggered data and performing periodic information gathering over a much longer period of time, thanks to its high memory capacity and low current consumption.

Major Features

- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B) identifiers.

- CAN messages are time-stamped with 2 microseconds resolution.
- Two high-speed CAN channels (compliant with ISO 11898-2), 10kbit/s up to 1 Mbit/s
- Connect Eagle to a PC to configure bit rates, trigger conditions and filters using Kvaser's CANlib or Kvaser Memorator Tools.
- Kvaser Eagle's script functionality, allowing users to develop highly customised t-script applications written in the Kvaser t programming language.
- Encryption of scripts to protect intellectual property.
- Plug and play installation, and a comprehensive user guide to help make t script development quick and easy.
- Three built-in microprocessors (MCUs) that ensure real-time CAN bus performance. One MCU is used to handle each CAN channel and another MCU handles the script, ensuring that Eagle can also handle very large and complex scripts.
- 200MHz processor performance with minimal current consumption.
- Large on-board RAM buffer for CAN messages and flashing LED light to alert the user to the buffer being overrun.
- Higher level protocols such as ISO 15765 and J1939 can be implemented in t-script. Working sample code for ISO 15765-2 is already included.
- Fully compatible with J1939, CANopen, NMEA 2000® and DeviceNet.

Filters

- Log continuously, or logging can be triggered by creating advanced triggers based on messages, data signal values, error messages, external trigger's falling or rising edge, and I/O signals.
- Pre- and post-triggers are available without buffer size restrictions, limited by disk space only.
- Filter out selectable messages and/or signals to be logged. The identifiers can be picked from a database, or all messages can be logged .
- Support for pass as well as stop filters.
- Create a counting pass filter to have a message logged at enumerated occurrence.
- Handles up to 20,000 msgs/s in standalone logger mode.

- External digital output that can drive an LED or a buzzer.
- Supports Silent Mode - Log bus traffic safely without interfering and " listen-only" mode for bus analysis tools.

Memory Cards and Functions

- Supports SD and SDHC memory card formats.
- Set up several devices in a daisy chain for larger logging capacity.
- Configuration Software in the PC
- Easy to use graphic configuration tool - Memorator Tools.
- 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.
- Using the included Kvaser Dispatcher software, a complete measurement setup can be turned into a self-installing package that is sent to a remote location to carry out a specific logging task.

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 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.

TECHNICAL DATA - KVASER EAGLE

ON-BOARD BUFFER	Yes
CLOCK SYNC	No
ERROR FRAME GENERATION	Yes
CB BOARD	No
MAX CARD SIZE	32
IP CLASS	IP30
API, LICENCED	None
MSGRATE TX MAX	20000
GALVANIC ISOLATION	Yes
HEIGHT (MM)	25
CERTIFICATIONS	CE,RoHS
RUGGED	No
API, FREE	Kvaser API, J2534, RP 1210
ERROR FRAME DETECTION	Yes
CAN FD	No
STATUS	Obsolete
CASING MATERIAL	PC-ABS
CONNECTOR	DSUB 9
WIDTH (MM)	50
ON-BOARD TX BUFFER	Yes
MINIMUM BITRATE (KBPS)	50
PC INTERFACE	USB
DATABASE DBC SUPPORT	Yes
EMBEDDED SCRIPT	Yes
MSGRATE RX MAX	20000
OPERATING SYSTEM	Win XP,Linux,Win 7,Win Vista,Win 10,Win 8
SILENT MODE	Yes

MAXIMUM BITRATE (KBPS)	1000
INCLUDED CARD SIZE	8GB
STATUS	Obsolete
SOUND	No
OPERATING TEMPERATURE RANGE (C)	-30.00 to 85.00
PRODUCT GROUPS	CAN Loggers
LENGTH (MM)	90
# OF CAN CHANNELS	2
TIMESTAMP RESOLUTION (US)	1
ERROR COUNTERS READING	Yes
CURRENT CONSUMPTION	Typical values are: 150mA if powered from the USB (~ 5V) 900mW when powered from the CAN bus
ON-BOARD RX BUFFER	Yes
NETWORK CHANNEL(S)	2 x CAN HS
WEIGHT (G)	150.0

The information herein is subject to change without notice