

## Eagle

Kvaser Eagle is a flexible and powerful dual channel CAN to standard USB high-speed data logger that is capable of running user-developed scripts to suit a wide selection of CAN bus applications. It logs data from the CAN bus to a standard SD flash disk and supports high-speed CAN.

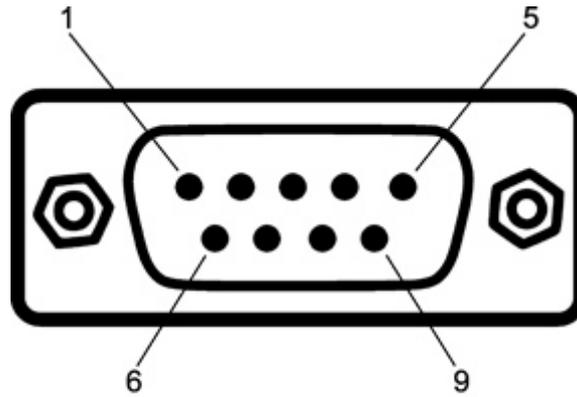
As a flexible, versatile, enhanced evolution of the Kvaser Memorator Professional, Kvaser Eagle offers more advanced logging and statistics collection capabilities than Memorator Professional and indeed, most other CAN interface products on the market. Eagle is also capable of collecting signal triggered data and performing periodic information gathering over a much longer period of time.

Connecting the datalogger to a PC provides direct access for configuring bit rates, trigger conditions and filters using Kvaser's CANlib software or the Kvaser Eagle's own software tool. The script functionality allows users to develop highly customised t-script applications, written in the Kvaser t programming language. This programming language, which is event driven and C-like, can be compiled on the developer's PC into efficient byte code for execution on Eagle.

Major Features of Kvaser Eagle:

- **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.





- 2. CAN L
- 3. CAN GND (optional)
- 5. CAN SHLD (optional)
- 6. GND (optional)
- 7. CAN H
- 9. CAN V+

	HS/HS
Galvanic Isolation	Yes
Bitrate	50-1000 kbit/s
Silent mode	Yes
Error frame generation	Yes
Error frame detection	Yes
Weight	150 g
Timestamp resolution	1
On board buffer	Yes
Maximum message rate, send	20000
Maximum message rate, receive	20000
Sound	No
Clock synchronization	N/A
Channels	2
Temp. Range	-30 ~ +85
USB	2.0