Leaf v3

The Kvaser Leaf v3 represents one of the easiest and lowest-cost methods of connecting a computer to a CAN bus network in order to monitor and transmit CAN and CAN FD data. With its standard USB 2.0 connector and 9-pin D-SUB connector, the Leaf v3's sleek, ergonomically designed housing is both robust enough for everyday use and small and flexible enough to be used in space-constrained applications.

The Leaf v3 can handle up to 20 000 messages per second, each time-stamped with a 50-microsecond accuracy. No external power is needed and galvanic isolation is standard.

Major Features

- 20 000 messages per second, each time stamped with a resolution of 50 µs.
- Supports CAN FD, up to 8 Mbit/s.
- Powered through the standard USB type "A" connector.
- Quick and easy plug-and-play installation.
- Supports silent mode for analysis tools – listen to the bus without interfering.
- Galvanic isolation comes as standard on the Leaf v3, enhancing protection from power surges or electrical shocks.
- Use with Kvaser's free general-purpose CAN monitoring software and a wide variety of advanced software for ECU development, diagnostics and calibration from Kvaser's network of Technical Associates.
- Support for SocketCAN.
- Host OS Windows (7 or later), Linux.
- Supports J1939, CANopen, NMEA 2000® and DeviceNet when paired with advanced software from one of our many Technical Associates.
- Supports simultaneous use of multiple Kvaser interfaces.

Leaf Light v2

The Kvaser Leaf Light v2 represents one of the easiest and lowest-cost methods of connecting a computer to a CAN bus network. With its USB 2.0 compliant connector and 9-pin D-SUB connector, the Leaf Light v2's sleek, ergonomically designed housing is both robust enough for everyday use and small and flexible enough to be used in space-constrained applications. Now with galvanic isolation as standard.

Major Features

- 8000 messages per second, each time-stamped with 100 microsecond accuracy
- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers
- High-speed CAN connection (compliant with ISO 11898-2), up to 1 Mbit/s.
- Galvanic isolation, previously a more expensive option on Kvaser's original Leaf Light, now comes as standard on the Leaf Light v2, enhancing protection from power surges or electrical shocks.
- Low current consumption (90 mA) reduces power drain from your laptop.
- Local buffering and preprocessing results in high performance and a reduction of time critical tasks for the PC.

Leaf Light R v2

The Kvaser Leaf Light R v2 is the rugged version of Kvaser's popular Leaf Light v2 interface. This is a single channel CAN bus interface with a lightweight yet highly durable, IP65-rated housing that assures reliable protection against water and dust ingress. Vibration, shock and drop proof, this interface belongs to Kvaser's Rugged range and operates over a temperature range of -40 to +70°C.

With a standard USB2.0 connection and a high-speed CAN channel in a 9-pin D-SUB CAN connector, the Kvaser Leaf Light R v2 handles transmission and reception of standard and extended CAN messages, with a time stamp precision of 100 microseconds. Features include error frame detection and LED indicators for power and CAN channel status.

Major Features:

- USB CAN interface. IP65 rated lightweight aluminum housing, sealed with polyurethane coating.
- Capable of sending up to 8000 messages per second, time-stamped with 100 microsecond accuracy.
- Quick and easy plug-and-play installation.
- Supports High Speed CAN (ISO 11898-2) up to 1Mbit/s.
- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers.
- Power is taken from the USB bus.
- Detection of error frames.
- LED lights alert user to device status.
- 100% compatible with applications written for other Kvaser CAN hardware with Kvaser CANlib.
- Fully compatible with J1939, CANopen, NMEA 2000R and DeviceNet.
- Operating temperature range from -40 to 70°C.

Leaf Light HS v2 J1939-13 Type II

The Leaf Light HS v2 J1939-13 Type II provides a simple way of connecting a PC with the on-board computer of any J1939 compliant vehicle or industrial system. Get diagnostic data by means of its USB 2.0 connector and a 9-pin J1939-13 (Type II) compliant CAN connector, which is colour-coded in green and supports either 250 Kbps or 500 Kbps vehicle networks.

The Leaf Light HS v2 J1939-13 Type II belongs to Kvaser's Leaf Light product range, which has made its name as the work-horse of the CAN interface world by offering a reliable, low cost means of connecting any CAN network to a PC or mobile computer.

Major Features

- Standard type “A” USB connector and a J1939-13 Type II compliant CAN connector.
- Capable of sending up to 8000 messages per second, each time-stamped with 100 microsecond accuracy.
- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers.
- High-speed CAN connection (compliant with ISO 11898-2), up to 1 Mbit/s.
- Galvanic isolation, enhancing protection from power surges or electrical shocks.
- Support for SocketCAN, see elinux.org for details.

Leaf Light HS v2 OBDII

The Leaf Light v2 OBDII provides a simple way of connecting a PC with a vehicle's on-board computer by means of USB 2.0 connector and a 16-pin OBDII-compliant CAN connector. Having made its name as the work-horse of USB to CAN interfaces, Kvaser's Leaf Light product series provides reliable, low cost tools for connecting any CAN network to a PC or mobile computer in vehicle diagnostic applications and beyond.

Major Features

- The Kvaser Leaf Light HS V2 OBDII offers loss free transmission and reception of standard and extended CAN messages on the CAN bus.
- Supports high speed USB and has an OBD2-compliant connector.
- 8000 messages per second, each time-stamped with 100 microsecond accuracy.
- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers.
- High-speed CAN connection (compliant with ISO 11898-2), up to 1 Mbit/s.
- Galvanic isolation, enhancing protection from power surges or electrical shocks.
- Support for SocketCAN, see elinux.org for details.

Leaf Light HS v2 M12

The Leaf Light HS v2 M12 is the marine version of Kvaser's popular Leaf Light v2 interface. This device provides a simple way of connecting a PC with a marine electronics system by means of its standard USB 2.0 connector and a NMEA compatible 5-pin connector.

The Leaf Light HS v2 M12 is ideal for diagnosing NMEA bus issues, configuring and flashing NMEA bus nodes, monitoring NMEA bus traffic and load conditions and stimulating or emulating NMEA nodes.

Please note: This product is not an NMEA 2000® Certified Product that complies with the NMEA's current test procedures. 'NMEA' in this context refers simply to the type of CAN connector used.

Major Features of Kvaser Leaf Light HS v2 M12

- Standard type "A" USB connector and an NMEA-approved plug CAN connector.
- Capable of sending up to 8000 messages per second, each time-stamped with 100 microsecond accuracy.
- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers.
- High-speed CAN connection (compliant with ISO 11898-2), up to 1 Mbit/s.
- Galvanic isolation, enhancing protection from power surges or electrical shocks.
- Support for SocketCAN, see elinux.org for details.

Leaf Light HS v2 CB

The Leaf Light v2 CB is the bare circuit board version of Kvaser's popular Leaf Light v2 interface - a single-channel, high speed, USB-to-CANbus interface. Having made its name as the work-horse of USB to CAN interfaces, Kvaser's Leaf Light product series provides reliable, low cost connection to the PC.

Major Features

- The Kvaser Leaf Light HS V2 CB is a high speed USB interface for CAN that offers loss free transmission and reception of standard and extended CAN messages on the CAN bus.
- Both USB and CAN are connected using 6-way connectors and mate with Molex 51021 PicoBladeTM (e.g. housing 51021-0600 and terminal 50079-8000).
- 8000 messages per second, each time-stamped with 100 microsecond accuracy.
- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers.
- High-speed CAN connection (compliant with ISO 11898-2), up to 1 Mbit/s.
- Galvanic isolation, enhancing protection from power surges or electrical shocks.
- Local buffering and preprocessing results in high performance and a reduction of time critical tasks for the PC.