Product Information

Kvaser Leaf Light
USB to CAN Interface

The Kvaser Leaf Light supports full speed USB interface for CAN with high performance at a low cost.

Kvaser Leaf Light is a reliable low cost product. Loss free transmission and reception of standard and extended CAN messages on the CAN bus is transmitted with a time stamp precision of 100 microseconds.
The low current consumption, 70mA, reduces the power drain from your Laptop.

Application Areas
Human interfaces, testing equipment, different types of one channel tools, multi channel tools not requiring channel synchronization, etc.

General Features
- Easy use of multiple interfaces - just connect any number of Kvaser Leafs to a USB hub
- Excellent EMC performance
- Power supplied via USB
- Quick and easy Plug and Play installation
- Low power consumption - several devices can be powered by a standard USB hub

USB Interface
- Can be used with any USB host port.
- Designed for USB 2.0. Backward compatible with USB 1.1.

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CAN Interface
- Optional : galvanic Isolation to protect the hardware
- Supports CAN 2.0A and 2.0B.
- Supports data and remote frames.
- Can detect error frames.
- CAN messages are time stamped with an accuracy of 100 microseconds.

Application Interface
- Driver support for major operating systems.
- 100% compatible with applications written for LAPcan, PCIcan, USBcan and other Kvaser hardware using CANlib API.
- Rp1210 and J2534 API
- Large on board message buffer - off-loads the computer.
- Drivers and CANlib SDK are available for free on the web.

Product Version
- Kvaser Leaf Light HS Item No. 00241-8
- Kvaser Leaf Light HS galvanic isolated Item No. 00411-5
- Kvaser Leaf Light HS OBD2 connector Item No. 00402-3

Application support
AFT Marc I™
ATI Vision™
ATI Apollo™
ATI CANlab™
Ficosa CANica™
Kvaser CANKing™
National Instruments LabView™
National Instruments DIAdem™
VAT 2000™
Warwick X-Analyser™
Xtm™ (distributed by agostec)

Software Platforms
Windows 2000, Vista, XP™
Windows Server 2003™
WinCE™
Linux

Technical Data	
Galvanical isolation	Optional
USB version	2.0&1.1
Temperature range	0°C - +70°C
Max message rate	8000
Time stamp	32
Error counters reading	No
Error frames detection	Yes
Error frames generation	No
Auto transmit buffer	No
Auto response buffer	No
Clock accuray	100 µs
Silent mode	No
Clock synch. between multiple devices	No
Power Supply	USB
Current consumption (mA @ 5V)	app. 70
LED indicators	2
Sound indicator	No
Dimension approx.	100x25x20 mm
Polyurethane cabling	No

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