



Kvaser Leaf SemiPro LS

EAN:73-30130-00260-9

Kvaser Leaf SemiPro with MagiSync[™] is a one channel USB interface for Low Speed or 'fault tolerant' CAN (ISO 11898-3). It offers the possibility to easily connect several interfaces to a PC. The time-stamping is synchronized through Kvaser MagiSync[™]. Providing flexibility and making it perfect for multi-channel applications.

Major Features

- Automatic and accurate clock synchronization between several Kvaser Leaf SemiPro interfaces through Kvaser MagiSyncTM. The technical solution is unique and patented by Kvaser.
- Handles up to 15,000 messages per second, time-stamped and synchronized with a precision of 25 microsecond.
- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers.
- Reliable error handling.
- Supports silent mode for analyzing tools.

GMGA MEASURING No. 33 Alley 99/120 Dinh Cong Ha, Dinh Cong Ward, Hoang Mai District, 10000 Hanoi City, Vietnam Kvaser Europe AB Telephone: +84 845 969 336 Email: info@gmga.vn https://gmga.vn/



- Low power consumption.
- Excellent EMC performance.
- Galvanic isolation of the CAN bus driver stage to protect the hardware.
- Labeled CAN channel for easy identification of the supported physical layer.
- Equipped with a 110 cm (44 in.) long USB cable and a 30 cm (12 in.) long CAN cable.
- Interfaces the CAN bus with a 9-pin D-SUB connector.
- Designed for USB 2.0, backward compliant with USB 1.1.
- Support for SocketCAN, see <u>elinux.org</u>for details.
- Quick and easy Plug-and-Play installation.
- A practically unlimited number of Kvaser Leafs can be connected via standard USB hubs for simultaneous use on a single PC.

Warranty

• 2-Year Warranty. See our General Conditions and Policies for details. Register your product at kvaser.com/getting-started for an additional 1year Warranty Extension.

Support

• Free Technical Support on all products available by contacting info@gmga.vn

Software

- Documentation, software and drivers can be downloaded for free, please contact us!
- 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.



ON-BOARD TX BUFFER(1)SILENT MODE(1)EMBEDDED SCRIPT(1)LENGTH (MM)(1)CERTIFICATIONS(CEROHS)MINIMUM BITRATE (KBPS)(1)CEROR FRAME GENERATION(1)NETWORK CHANNEL(S)Single channel USB-to-CAN PC interface for Low Speed Fault Tolerance CAN (ISO 11898-3).PROMOTIONAL_TEXTSingle channel USB-to-CAN PC interface for Low Speed Fault Tolerance CAN (ISO 11898-3).PRODUCT GROUPS(1)OPERATING TEMPERATURE RANGE (C).40°C to +85°CCIRCUIT BOARD.40°C to +85°CON-BOARD BUFFER.40°C to +85°CEROR COUNTERS READING.40°C to +85°CCONNECTOR.40°C to +85°CCONNECTOR.40°C to +85°CPC INTERFACE.40°C to +85°CGLVANIC ISOLATION.40°C to +85°CHEIGHT (MM).40°C to +85°CAFG CAN CHANNELS.40°C to +85°CAFG CAN CHANNELS.	TECHNICAL DATA - K	EVASER LEAF SEMIPRO LS
SILENT MODE Yes EMBEDDED SCRIPT (Model Action of the second of	TIMESTAMP RESOLUTION (US)	25
EMBEDDED SCRIPTImage: Comparison of the stress	ON-BOARD TX BUFFER	Yes
LENGTH (MM)100CERTIFICATIONSCCEROHSMINIMUM BITRATE (KBPS)SERROR FRAME GENERATIONI CCANCHANNEL(S)PROMOTIONAL_TEXTSingle channel USB-to-CAN PC interface for Low Speed Fault Tolerance CAN (ISO 11898-3).PROMOTIONAL_TEXTSingle channel USB-to-CAN PC interface for Low Speed Fault Tolerance CAN (ISO 11898-3).PROMOTIONAL_TEXTSingle channel USB-to-CAN PC interface for Low Speed Fault Tolerance CAN (ISO 11898-3).PROMOTIONAL_TEXTSingle channel USB-to-CAN PC interface for Low Speed Fault Tolerance CAN (ISO 11898-3).PROMOTIONAL_TEXTSingle channel USB-to-CAN PC interface for Low Speed Fault Tolerance CAN (ISO 11898-3).PROMOTIONAL_TEXTSingle channel USB-to-CAN PC interface for Low Speed Fault Tolerance CAN (ISO 11898-3).PROMOTIONAL_TEXTSingle channel USB-to-CAN PC interface for Low Speed Fault Tolerance CAN (ISO 11898-3).PRODUCT GROUPSSingle channel USB-to-CAN PC interface for Low Speed Fault Tolerance CAN (ISO 11898-3).PRODUCT GROUPSSingle channel USB-to-CAN PC interface for Low Speed Fault Tolerance CAN (ISO 11898-3).PRODUCT GROUPSSingle channel USB (ISO 1000PRODUCT GROUPSSingle channel USB (ISO 1000PRO	SILENT MODE	Yes
CERTIFICATIONSCERCARMINIMUM BITRATE (KBPS).ERROR FRAME GENERATION.NETWORK CHANNEL(S).PROMOTIONAL_TEXT.BRORD FRAME GENERATIOR.VEIGHT (G).PRODUCT GROUPS.OPERATING TEMPERATURE RANGE (C).CIRCUIT BOARD.PRORD DUFFER.ON-BOARD BUFFER.ERROR FRAME DETECTION.PRONCTOR.CONNECTOR.ON-BOARD BUFFER.CIRCUIT BOARD.CIRCUIT BOARD.DEROR FRAME DETECTION.CONNECTOR.DOULT ERFACE.CONNECTOR.PCINTERFACE.GALVANIC ISOLATION.HEIGHT (MM).DATABASE DBC SUPPORT.CINCHANNELS.C	EMBEDDED SCRIPT	No
MINIMUM BITRATE (KBPS)SERROR FRAME GENERATION(1)NETWORK CHANNEL(S)1) x CAN LSPROMOTIONAL_TEXTSingle channel USB-to-CAN PC interface for Low Speed Fault Tolerance CAN (ISO 11898-3).WEIGHT (G)(1)PRODUCT GROUPS(1)OPERATING TEMPERATURE RANGE (C)-40° Cto +85° CCIRCUIT BOARD(1)POLASS(1)ON-BOARD BUFFER(1)ERROR COUNTERS READING(1)CONNECTORDSUB 9PC INTERFACEDSUB 9PC INTERFACEDSUB 9PC INTERFACE(1)GALVANIC ISOLATION(2)HEIGHT (MM)(1)DATABASE DBC SUPPORT(1)CONFD(1)CONFD(1)MINERS <td< td=""><td>LENGTH (MM)</td><td>100</td></td<>	LENGTH (MM)	100
ERROR FRAME GENERATIONYersNETWORK CHANNEL(S)1 x CANLSPROMOTIONAL_TEXTSingle channel USB-to-CAN PC interface for Low Speed Fault Tolerance CAN (ISO 11898-3).WEIGHT (G)1000PRODUCT GROUPS1000OPERATING TEMPERATURE RANGE (C)-40° Cto +85° CCIRCUIT BOARD-40° Cto +85° CON-BOARD BUFFER-40° Cto +85° CERROR COUNTERS READING-40° Cto +85° CCINCUIT BOARD-40° Cto +85° CPCINTERFACE-40° Cto +85° CCONNECTOR-40° Cto +85° CPCINTERFACE-40° Cto +85° CGALVANIC ISOLATION-40° Cto +85° CHEIGHT (MM)-40° Cto +85° CTOT CAN CHANNELS-40° Cto +85° CATABASE DBC SUPPORT-40° C	CERTIFICATIONS	CE,RoHS
NETWORK CHANNEL(S)I x CAN LSPROMOTIONAL_TEXTSingle channel USB-to-CAN PC interface for Low Speed Fault Tolerance CAN (ISO 11898-3).WEIGHT (G)C1000PRODUCT GROUPSC1000OPERATING TEMPERATURE RANGE (C)-40°C to +85°CCIRCUIT BOARDC1000 C)IP CLASSC1000ON-BOARD BUFFERC1000ERROR COUNTERS READINGC1000CONNECTORC1000PC INTERFACEC1000GALVANIC ISOLATIONC1000#LIGHT (MM)C1000Yo F CAN CHANNELSC1000CAN FDC1000CONSECTORC1000PC FARELSC1000CONSECTORC1000PC AN CHANNELSC1000TOTABASE DBC SUPPORTC1000CONSECTORC1000CONSECTORC1000PC AN CHANNELSC1000CAN FDC1000CONSECTORC1000STABASE DBC SUPPORTC1000CONSECTORC1000CONSECTORC1000CONSECTORC1000CONSECTORC1000CONSECTORC1000CONSECTORC1000CONSECTORC1000CONSECTORC1000CONSECTORC1000CONSECTORC1000CONSECTORC1000CONSECTORC1000CONSECTORC1000CONSECTORC1000CONSECTORC1000CONSECTORC1000CONSECTORC1000CONSECTORC1000CONSECTOR<	MINIMUM BITRATE (KBPS)	5
PROMOTIONAL_TEXTSingle channel USB-to-CAN PC interface for Low Speed Fault Tolerance CAN (ISO 11898-3).WEIGHT (G)100.0PRODUCT GROUPS100.0OPERATING TEMPERATURE RANGE (C)-40 °C to +85 °CCIRCUIT BOARD-40 °C to +85 °CCIRCUIT BOARD100.0IP CLASS100.0ON-BOARD BUFFER100.0ERROR COUNTERS READING100.0ERROR FRAME DETECTION100.0PC INTERFACEDSUB 9PC INTERFACE100.0GALVANIC ISOLATION100.0# OF CAN CHANNELS100.0ATABASE DBC SUPPORT0.0CONFD0.0CAN FD0.0	ERROR FRAME GENERATION	Yes
PROMOTIONAL_TEXTSpeed Fault Tolerance CAN (ISO 11898-3).WEIGHT (G)100.0PRODUCT GROUPS100.0OPERATING TEMPERATURE RANGE (C).40 °C to +85 °CCIRCUIT BOARD.40 °C to +85 °CPC LASS.100.0IP CLASS.100.0ON-BOARD BUFFER.100.0ERROR COUNTERS READING.100.0ERROR FRAME DETECTION.100.0PC INTERFACE.100.0GALVANIC ISOLATION.100.0# OF CAN CHANNELS.100.0DATABASE DBC SUPPORT.000.0CONFD.100.0CAN FD.100.0	NETWORK CHANNEL(S)	1 x CAN LS
PRODUCT GROUPSLeftOPERATING TEMPERATURE RANGE (C)-40 °C to +85 °CCIRCUIT BOARD-40 °C to +85 °CCIRCUIT BOARDIPO Co *80 °CPC LASSIPO Co *80 °CON-BOARD BUFFERIPO CO *80 °CERROR COUNTERS READINGNoERROR FRAME DETECTIONOS 80 °CCONNECTORDSUB 90 °CPC INTERFACESUB 90 °CGALVANIC ISOLATIONYesHEIGHT (MM)10PC FCAN CHANNELS11DATABASE DBC SUPPORTNoCANFDSUB 90 °CCONFDSUB 90 °CCONFDSUB 90 °CCONFORTSUB 90 °C <td>PROMOTIONAL_TEXT</td> <td></td>	PROMOTIONAL_TEXT	
OPERATING TEMPERATURE RANGE (C).440 °C to +85 °CCIRCUIT BOARD.40 °C to +85 °CIP CLASS.1740IP CLASS.1740ON-BOARD BUFFER.1740ERROR COUNTERS READING.1740ERROR FRAME DETECTION.1740CONNECTOR.1740PC INTERFACE.1740GALVANIC ISOLATION.1740HEIGHT (MM).110DATABASE DBC SUPPORT.1040CAN FD.1740	WEIGHT (G)	100.0
CIRCUIT BOARDICIRCUIT BOARDIPIP CLASSIP40ON-BOARD BUFFERIP40ON-BOARD BUFFERIP40ERROR FRAME DETECTIONIP40CONNECTORIP40PC INTERFACEIP40GALVANIC ISOLATIONIP40HEIGHT (MM)IP40ADF CAN CHANNELSIP40CAN FDIP40CAN FDIP40 </td <td>PRODUCT GROUPS</td> <td>Leaf</td>	PRODUCT GROUPS	Leaf
IP CLASSIP CLASSIP CLASSIP CLASSON-BOARD BUFFERIP CLASSERROR COUNTERS READINGNoERROR FRAME DETECTIONIP CLASSCONNECTORDSUB 9PC INTERFACEIP CLASSGALVANIC ISOLATIONIP CLASSHEIGHT (MM)IP CLASSA OF CAN CHANNELSIP CLASSCAN FDIP CLASS </td <td>OPERATING TEMPERATURE RANGE (C)</td> <td>-40 °C to +85 °C</td>	OPERATING TEMPERATURE RANGE (C)	-40 °C to +85 °C
ON-BOARD BUFFERYesERROR COUNTERS READINGNoERROR FRAME DETECTIONYesCONNECTORDSUB 9PC INTERFACEUSBGALVANIC ISOLATIONYesHEIGHT (MM)104 OF CAN CHANNELS1DATABASE DBC SUPPORTNoCAN FDNo	CIRCUIT BOARD	No
ERROR COUNTERS READINGNoERROR FRAME DETECTIONYesCONNECTORDSUB 9PC INTERFACEDSUB 9GALVANIC ISOLATIONYesHEIGHT (MM)YesA OF CAN CHANNELS1DATABASE DBC SUPPORTNoCAN FDNo	IP CLASS	IP40
ERROR FRAME DETECTIONOERROR FRAME DETECTIONDSUB 9CONNECTORDSUB 9PC INTERFACEUSBGALVANIC ISOLATIONYesHEIGHT (MM)1# OF CAN CHANNELS1DATABASE DBC SUPPORTNoCAN FDNo	ON-BOARD BUFFER	Yes
CONNECTORDSUB 9PC INTERFACEUSBGALVANIC ISOLATIONYesHEIGHT (MM)1# OF CAN CHANNELS1DATABASE DBC SUPPORTNoCAN FDNo	ERROR COUNTERS READING	No
PC INTERFACEUSBGALVANIC ISOLATIONYesHEIGHT (MM)20# OF CAN CHANNELS1DATABASE DBC SUPPORTNoCAN FDNo	ERROR FRAME DETECTION	Yes
GALVANIC ISOLATIONYesHEIGHT (MM)20# OF CAN CHANNELS1DATABASE DBC SUPPORTNoCAN FDNo	CONNECTOR	DSUB 9
HEIGHT (MM)20# OF CAN CHANNELS1DATABASE DBC SUPPORTNoCAN FDNo	PC INTERFACE	USB
# OF CAN CHANNELS1DATABASE DBC SUPPORTNoCAN FDNo	GALVANIC ISOLATION	Yes
DATABASE DBC SUPPORT No CAN FD No	HEIGHT (MM)	20
CAN FD No	# OF CAN CHANNELS	1
	DATABASE DBC SUPPORT	No
WIDTH (MM) 25	CAN FD	No
	WIDTH (MM)	25

WWAGED I EAE GEMIDDO I G TECHNICAL DATA

GMGA MEASURING No. 33 Alley 99/120 Dinh Cong Ha, Dinh Cong Ward, Hoang Mai District, 10000 Hanoi City, Vietnam Kvaser Europe AB Telephone: +84 845 969 336 Email: info@gmga.vn https://gmga.vn/



MSGRATE TX MAX	2500
CASING MATERIAL	Glass Fiber Reinforced PA6
RUGGED	No
CURRENT CONSUMPTION	Typical 70mA
MSGRATE RX MAX	2500
OPERATING SYSTEM	Linux,Win 7,Win 10,Win 8
CLOCK SYNC	Yes
API, LICENCED	None
ON-BOARD RX BUFFER	Yes
API, FREE	Kvaser API, J2534, RP 1210
MAXIMUM BITRATE (KBPS)	125
SOUND	No
STATUS	Active

The information herein is subject to change without notice