KVASER

Product Catalogue

ADVANCED CAN EXPERTS

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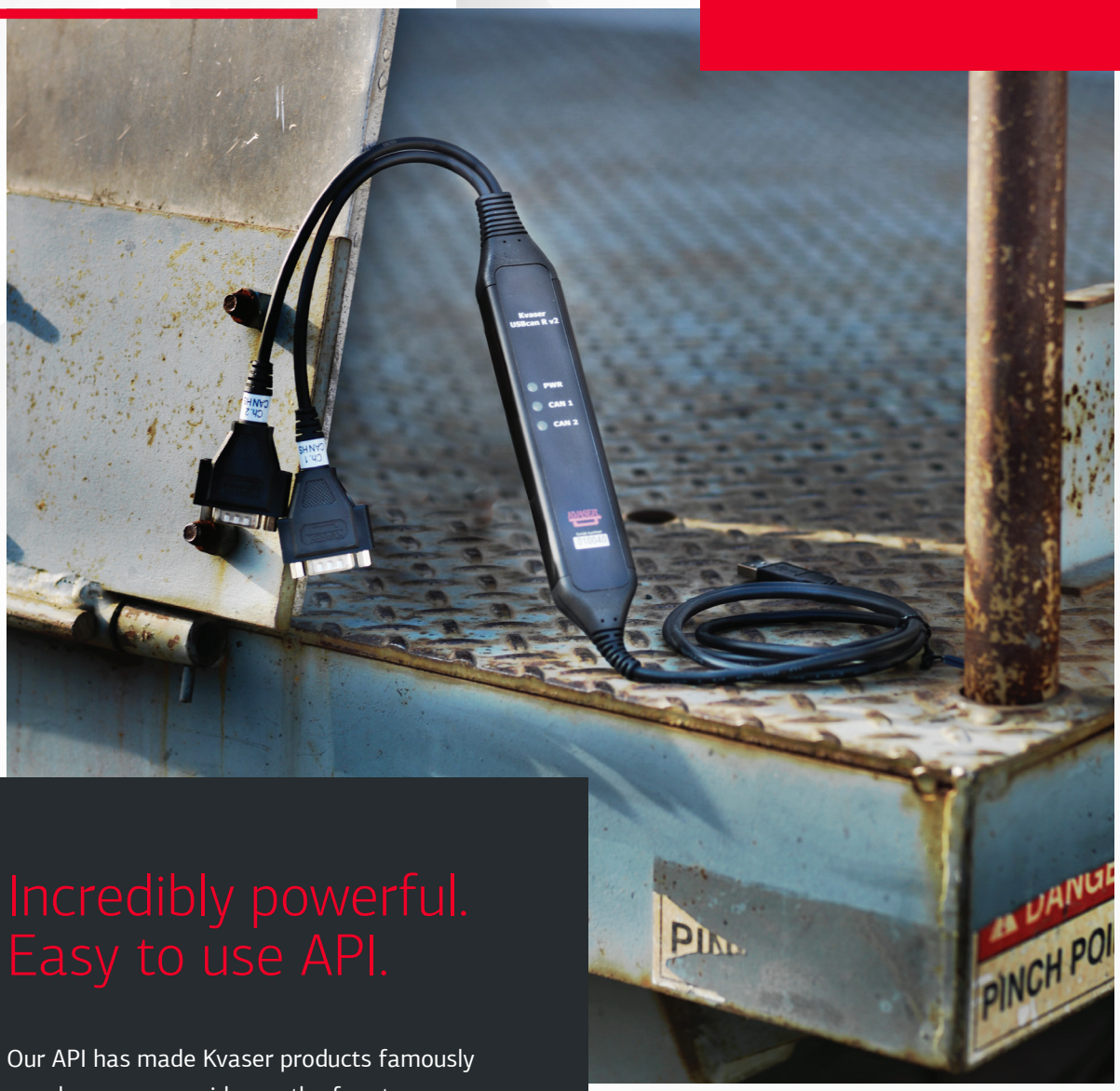
Get to Know Kvaser

Kvaser brings together more than 100 CAN-to-PC related products and nearly 40 years of CAN development experience to serve an endless array of industries as CAN experts. You'll find Kvaser offering our rich CAN knowledge and heritage to industries that include: Automotive, Avionics, Building Automation, Domestic Appliances, Hydraulic Equipment, Industrial Automation, Maritime, Medical, Military, Railway, Telecoms and Textiles.



Incredibly powerful. Easy to use API.

Our API has made Kvaser products famously popular among a wide swath of systems, as well as with tool designers. Common to all Kvaser interfaces, this super-charged API allows end users to experience Kvaser's highest quality, reliability and comprehensive third-party support.

Providing Cost-Efficient Alternatives to In-House Development

Since we strategically make OEM versions of Kvaser products available, we pass that savings on to you. Our OEMs are an ongoing cost-efficient alternative to in-house development for many companies. Not only that, but Kvaser Qualified Sales Representatives consistently provide top-shelf support to serve you in your distinct industry and geography. And Kvaser Technical Associates tirelessly provide industry-standard software with built-in Kvaser compatability.

Kvaser Distinctives

- Nearly 40 years of leading the CAN bus protocol as the industry's trusted experts.
- APIs that are future-safe, consistent across product families, and cover the full functionality of the hardware.
- Free software, free updates and free technical support.
- Wide range of CAN interfaces, working in 22 vertical markets.

AUTOMOTIVE

The Kvaser Network: Advanced CAN Solutions for Every Situation

ENGINE CONTROL UNIT (ECU)

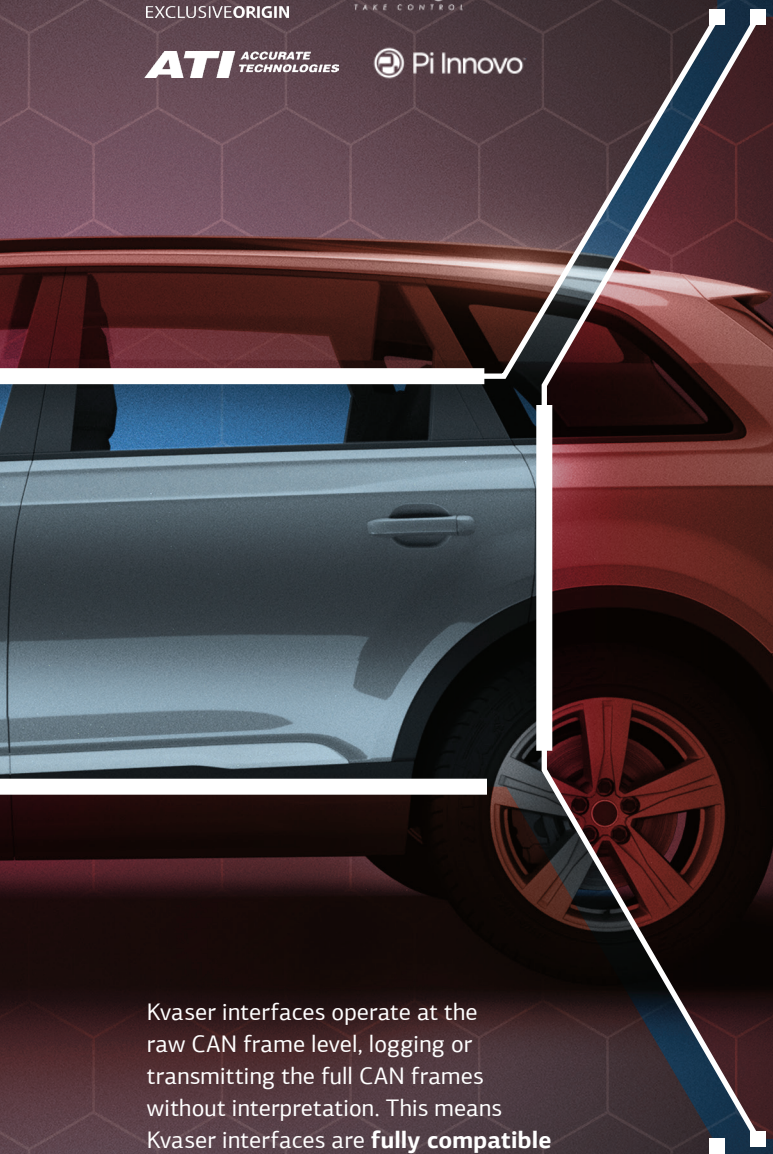
- Rapid Prototyping
- Calibration
- Diagnostics

CAN BUS ANALYSIS

- Test Bench
- Production
- Service Tools

Kvaser's Partner Network provide the technical integrations and local expertise needed for providing CAN solutions globally across dozens of vertical markets.

Kvaser's CANlib SDK is a free, complete API allowing development with Kvaser interfaces. It is 'universal' in that developing for one interface means it works for all, and it is 'forward-compatible', meaning that current integrations will not be broken by future API development.



DATA ACQUISITION

- **CAN, CAN FD, LIN signals**
- **Advanced and standalone datalogging**
- **Wireless and Remote access**

Kvaser interfaces operate at the raw CAN frame level, logging or transmitting the full CAN frames without interpretation. This means Kvaser interfaces are **fully compatible with J1939, CANopen, NMEA, RP1210, MilCAN, UAVCAN, CCP/XCP,** and more.

Kvaser Technical Support is highly acclaimed by customers and available worldwide.

AUTOMATION

Connection, Configuration, and Control for Industrial Automation

CANbus provides a robust, decentralized communication bus for motion-oriented machine control systems. Markets such as robotics, medical equipment, and manufacturing use CAN to configure components, connect systems, and control system behaviour. Kvaser CAN tools provide the reliability and quality that those systems require.

CANopen SYSTEM DESIGN

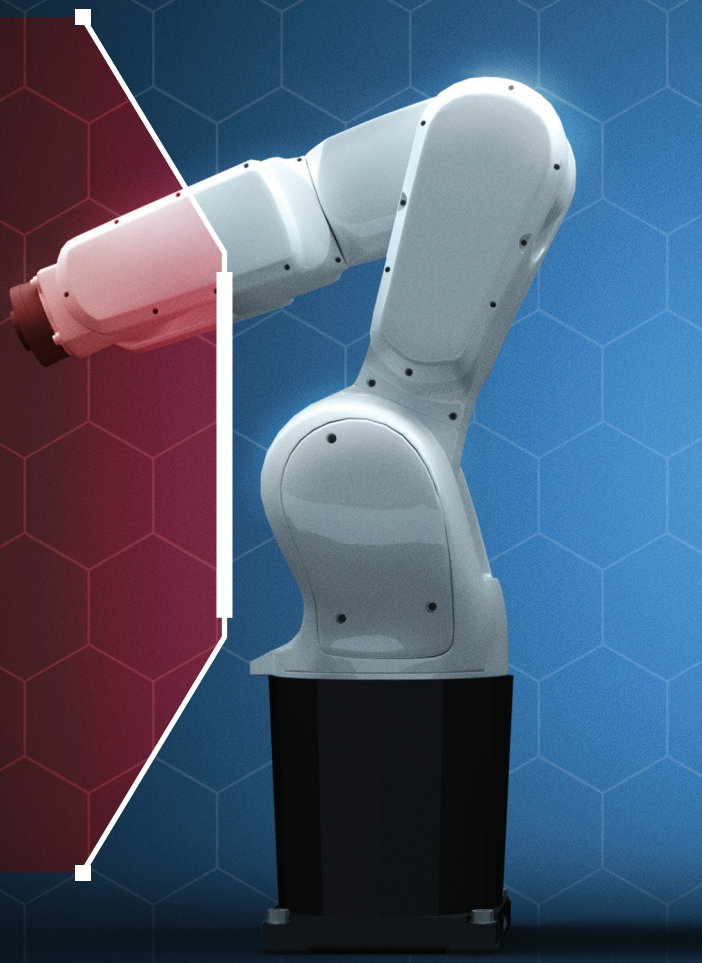
emotas embedded communication

Datalink Engineering
CAN and CANopen experts

EmSA

LogiCAN

port PROFESSIONAL INDUSTRIAL COMMUNICATION




MOTOR CONTROL
copley controls
powered by analogic
rt:labs
real time experts
KVASER

AUTONOMOUS

Self-Driving and Beyond

DATA ACQUISITION

- Body Control Module
- OBD
- Battery Management Systems

Kvaser industry-standard CAN tools for developing, testing, and producing autonomous vehicles. And not only is autonomous development restricted to the roadway. In addition to passenger cars and commercial trucks, Kvaser CAN interfaces and loggers are used in autonomous off-road vehicles, agricultural equipment, drones, eVTOLs, and more.

SENSOR COMMUNICATION

- GPS
- IMU
- Radar

new eagle
TAKE CONTROL

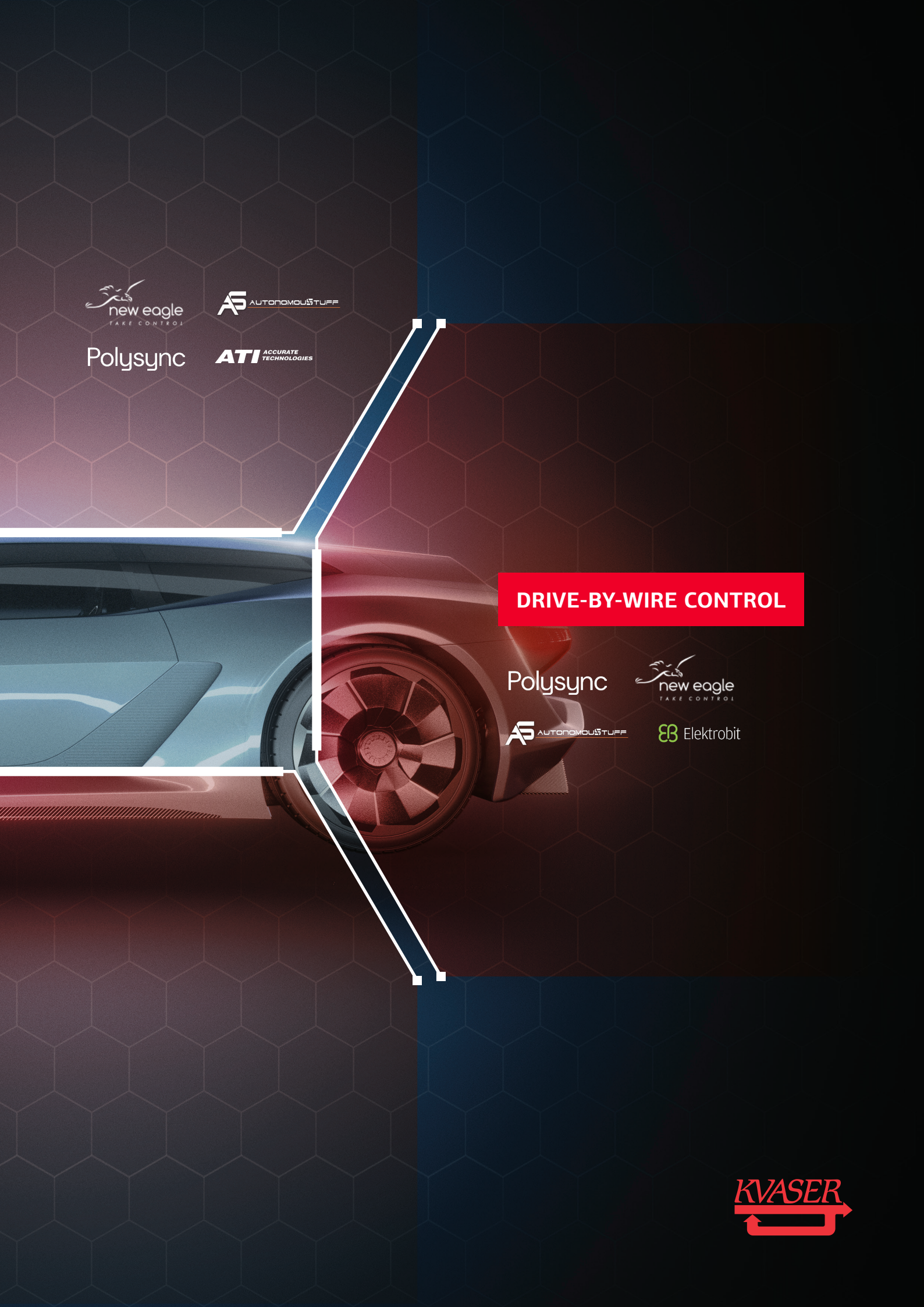
Polysync

AUTONOMOUSTUFF

RETROFIT

Drive-by-wire autonomous systems can be retrofitted on to legacy vehicles, replacing hydraulic and mechanical control systems with electronic, drive-by-wire ready systems.

- EPAS Systems
- Linear Acuators
- More+


new eagle
TAKE CONTROL
AUTONOMOUSTUFF
Polysync
ATI ACCURATE TECHNOLOGIES
DRIVE-BY-WIRE CONTROL
Polysync
new eagle
TAKE CONTROL
AUTONOMOUSTUFF
Elektrobit
KVASER

4 Product Families, Infinite Possibilities

Every day, we're inspired by the things our customers do with our tools. From developing the next generation of self-driving cars, to transforming agriculture, reinventing flight and pushing the boundaries of what we once thought possible.

Enabling, simplifying and streamlining your work is the driving force between every single one of the 120+ products we make. But, let's start by introducing you to just 4 of our most exciting product families. Together, they cover a significant range of the most popular applications for Kvaser products in the field.

We can't wait to see how they improve your workflow.

Kvaser USBcan

MULTI-CHANNEL
CAN-TO-USB INTERFACES

KVASER

USBcan VERSIONS & SPECIFICATIONS

MULTI-CHANNEL CAN-TO-USB INTERFACES

Kvaser's USBcan hardware offers compact, reliable and cost-effective multi-channel CAN-to-USB connections. With an extended temperature range as standard, the USBcan range is precision-engineered to suit automotive and industrial environments.

MAIN FEATURES

- Plug-and-Play installation
- From 2 to 5 CAN channels
- 8,000 – 20,000 messages per second
- Up to 1 Mbit/s CAN connection
- 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers; some models support CAN FD
- Fully compatible with J1939, CANopen, NMEA2000 and DeviceNet
- Cross-hardware compatibility with Kvaser's API and with software & services from over 100 Kvaser technical partners

Specs	USBcan Light 2xHS USBcan Light 4xHS
Product#	73-30130-00714-7 (2xHS) 73-30130-00831-1 (4xHS)
Network Channel(s)	2 x CAN HS 4 x CAN HS
CAN Bitrate	50Kbit/s - 1Mbit/s
CAN FD	-
t Programming	-
MagiSync	-
Galvanic Isolation	YES
Timestamp Resolution (us)	100
Msgrate Tx Max	8000
Msgrate Rx Max	8000
Silent Mode	-
Error Frame Generation	-
Error Counters Reading	-
Error Frame Detection	YES
Dimensions (mm)	170 x 20 x 50
IP Class	IP40
Temperature Range	-20 to +70 °C
Connector	DSUB 9 (2xHS) DSUB 26HD (4xHS)
Casing Material	PA66
Operating System	WIN & LINUX

USBcan Light

Multi-Channel CAN to USB interface.

Product	EAN
USBcan Light 2xHS	73-30130-00714-7
USBcan Light 4xHS	73-30130-00831-1

USBcan Pro 2xHS v2 USBcan Pro 5xHS	USBcan R v2	Hybrid 2xCAN/LIN Hybrid Pro 2xCAN/LIN
73-30130-00752-9 (2xHS) 73-30130-00779-6 (5xHS)	73-30130-00920-2	73-30130-00965-3 73-30130-01042-0
2 x CAN HS 5 x CAN HS	2 x CAN HS	2x CAN/LIN
50Kbit/s - 1Mbit/s	50Kbit/s - 1Mbit/s	50Kbit/s - 1Mbit/s (CAN) 1Kbit/s - 20 Kbit/s (LIN)
YES 8Mbit/s ISO & non-ISO	-	YES 5Mbit/s ISO & non-ISO
YES	-	YES (Pro)
YES	-	YES (Pro)
YES	YES	YES
1	100	50 / 1(Pro)
20000	15000	20000 (CAN)
20000	15000	20000 (CAN)
YES	-	YES (Pro)
YES	-	YES (Pro)
YES	-	YES (Pro)
YES	YES	YES
170 x 50 x 20 (2xHS) 170 x 70 x 25 (5xHS)	170 x 30 x 17	170 x 50 x 20
IP40	IP65	IP40
-40 to +85 °C	-40 to +70 °C	-40 to +85 °C
DSUB 9 (2xHS) DSUB 26HD (5xHS)	DSUB 9	DSUB 9
PA66	Aluminium	PA66
WIN & LINUX	WIN & LINUX	WIN & LINUX

USBcan Pro

Multi-Channel CAN to USB interface with full bus control and CAN FD.

Product	EAN
USBcan Pro 2xHS v2	73-30130-00752-9
USBcan Pro 5xHS	73-30130-00779-6

Hybrid

Dual-Channel LIN&CAN to USB interface with full bus control and CAN FD.

Product	EAN
Hybrid 2xCAN/LIN	73-30130-00965-3
Hybrid Pro 2xCAN/LIN	73-30130-01042-0

Kvaser Memorator

COMBINED DATA LOGGERS
& USB INTERFACES

KVASER

KVASER MEMORATOR PRO

For advanced trigger and filter options, CAN FD compatibility and the ability to run user-developed programs, customers should opt for the Kvaser Memorator Pro range. These ‘professional-level’ data logging systems are the ultimate troubleshooters, enabling users to develop highly customised applications, such as CAN protocol converters, CAN gateways and advanced CAN logging functionality. In addition, they provide error detection and generation, silent mode operation, on-device buffering and boast Kvaser’s patented MagiSync™ technology, which time, synchronises other Kvaser interfaces connected to the same PC, resulting in simpler and more accurate multichannel data capture.

MEMORATOR VERSIONS & SPECIFICATIONS

COMBINATION DATALOGGERS & USB INTERFACES

Kvaser's Memorator hardware offers great performance and value as both a datalogger and CAN-to-USB Interface. Compact and robust, our Memorators are ideal for troubleshooting CAN networks in the field. Choose from a single-channel data logger with no preconfiguration required, or multiple CAN channels and programmability.

MAIN FEATURES

- Built-in or expandable storage from 1GB – 64GB
- Easy-to-configure logging with Kvaser's Memorator Tools software
- Supports 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers; some models support CAN FD
- Stores raw CAN data in binary form, then use free software tool to extract to many formats
- Fully compatible with J1939, CANopen, NMEA 2000 and DeviceNet
- Compatible with software & services from over 100 Kvaser technical partners

Specs	Memorator Light HS
Product#	73-30130-00513-6
Network Channel(s)	1 x CAN HS
CAN Bitrate	10 - 1Mbit/s
CAN FD	-
t Programming	-
MagiSync	-
Galvanic Isolation	-
Timestamp Resolution (us)	2
Msgrate Tx Max	-
Msgrate Rx Max	6000
Silent Mode	ALWAYS
Error Frame Generation	-
Error Counters Reading	-
Error Frame Detection	YES
Dimensions (mm)	115 x 46 x 22
IP Class	IP40
Temperature Range	-40 to +85 °C
Connector	DSUB 9
Casing Material	PC-ABS
Operating System	WIN & LINUX
Max SD Card Size	1 GB Internal Memory

Memorator 2xHS v2	Memorator Pro 2xHS v2 Memorator Pro 5xHS	Memorator Pro 2xHS v2 CB Memorator Pro 5xHS CB
73-30130-00821-2	73-30130-00819-9 (2xHS) 73-30130-00778-9 (5xHS)	73-30130-00869-4 (2xHS) 73-30130-00832-8 (5xHS)
2 x CAN HS	2 x CAN HS 5 x CAN HS*	2 x CAN HS 5 x CAN HS
50 - 1Mbit/s	50 - 1Mbit/s	50 - 1Mbit/s
-	YES 8Mbit/s ISO & non-ISO	YES 8Mbit/s ISO & non-ISO
-	YES	YES
-	YES	YES
YES	YES	YES
100	1	1
8000	20000	20000
8000	20000	20000
YES	YES	YES
-	YES	YES
-	YES	YES
YES	YES	YES
150 x 55 x 23	150 x 55 x 23 (2xHS) 155 x 68 x 23 (5xHS)	117 x 46 x 13 (2xHS) 119 x 57 x 13 (5xHS)
IP40	IP40	IP00
-20 to +70 °C	-40 to +85 °C	-40 to +85 °C
DSUB 9	DSUB 9 (2xHS) DSUB 26HD* (5xHS)	Molex 51021 PicoBladeTM
PA66	PA66	N/A
WIN & LINUX	WIN & LINUX	WIN & LINUX
64+ GB	64+ GB	64+ GB

**HD26-5xDS9 splitter included*

MEMORATOR PRO

A compact, dual channel CAN bus interface and stand-alone datalogger that allows users to monitor and collect data from two high-speed CAN channels simultaneously.

PRODUCT	EAN
Memorator Pro 2xHS v2	73-30130-00819-9
Memorator Pro 5xHS	73-30130-00778-9

MEMORATOR

A compact, dual-channel CAN bus interface and stand-alone datalogger that allows users to monitor and collect data from two high-speed CAN channels simultaneously.

PRODUCT	EAN
Memorator 2xHS v2	73-30130-00821-2

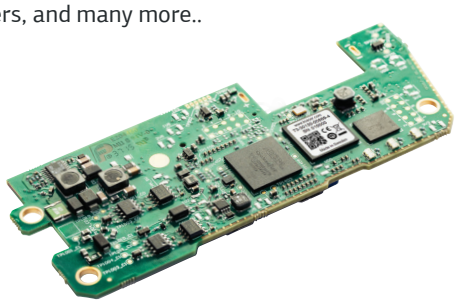
MEMORATOR PRO 5xHS CB

Monitor and log data from multiple CAN channels using this bare board version of our five-channel high-speed CAN to USB interface and datalogger.

PRODUCT	EAN
Memorator Pro 5xHS CB	73-30130-00832-8

MEMORATOR PRO 2xHS CB

A professional-level, dual channel CAN bus interface and standalone data logger offering advanced features such as message filtering, triggers, and many more..



PRODUCT	EAN
Memorator Pro 2xHS V2 CB	73-30130-00869-4

KVASER MEMORATOR LIGHT HS V2

EAN: 73-30130-01058-1

Designed for troubleshooting any CAN-based (controller area network) system, the Kvaser Memorator Light HS v2 is an easy-to-use tool for logging serial data, with no software setup required. With an autobaud function that determines CAN bus bit rate, the Kvaser Memorator Light can be attached to any high-speed CAN bus without configuration. All CAN bus traffic is logged in a circular buffer, overwriting the oldest data when the buffer becomes full. A separate circular buffer keeps track of error frame conditions and the message traffic that occurs near the conditions.

KVASER MEMORATOR R SEMIPRO

EAN: 73-30130-00490-0

Kvaser Memorator R SemiPro is an advanced, rugged, two channel CAN (controller area network) to USB interface and standalone data logger - two products in one! To ruggedize the design, Kvaser has soldered the SD card to the PCB to make sure it works error free even when exposed to vibration and shocks. Galvanic isolation and an aluminium housing complete the package.

In standalone mode, this device logs data to an SD card, whilst in interface mode, it connects the CAN bus to the PC via USB. Connect this datalogger to a PC to configure baud rates, trigger conditions and filters using the Kvaser Memorator Tools software, included.

Kvaser Leaf

INDUSTRY-LEADING SINGLE-CHANNEL
USB-CAN INTERFACES

KVASER

INDUSTRY-LEADING SINGLE-CHANNEL CAN TO USB INTERFACES

Kvaser Leaf hardware offers one of the industry's easiest and most affordable high-speed USB to CAN interfaces. Every model in our lineup is small, robust, ergonomically designed and compatible with software & services from over 100 technical partners.

MAIN FEATURES

- Plug & play installation
- 8,000 – 20,000 messages per second
- Supports 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers, Leaf Pro supports CAN FD
- 1-100 microsecond timestamp resolution
- Galvanic isolation
- Fully compatible with J1939, CANopen, NMEA 2000 and DeviceNet

LEAF DB9

USB to DB9 connector for general purpose.

PRODUCT	EAN
Leaf Light HS v2	73-30130-00685-0
Leaf Pro HS v2	73-30130-00843-4

LEAF J1939

SAE J1939 heavy-duty vehicle compatible.

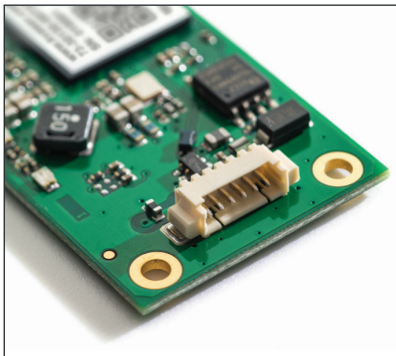
PRODUCT	EAN
Leaf Light HS v2 J1939-13 Type II	73-30130-00915-8

LEAF OBDII

USB to OBDII connector for vehicle to computer connections.

PRODUCT	EAN
Leaf Light HS v2 OBDII	73-30130-00732-1
Leaf Pro HS v2 OBDII	73-30130-00849-6

LEAF LIGHT VERSIONS & SPECIFICATIONS



LEAF CB

Bare circuit board for custom enclosures and embedded projects.

PRODUCT	EAN
Leaf Light HS v2 CB	73-30130-00733-8

LEAF LS

Low Speed CAN (ISO 11898-3) compatible.

PRODUCT	EAN
Leaf SemiPro LS	73-30130-00260-9
Leaf Professional LS	73-30130-00261-6

LEAF RUGGED

IP65 rated lightweight aluminum housing that protects against dust and water ingress. -40°C to +70°C and above operating temperatures.

PRODUCT	EAN
Leaf Light R v2	73-30130-00921-9
Leaf SemiPro Rugged HS	73-30130-00506-8
Leaf Professional Rugged HS	73-30130-00509-9

LEAF SWC

Single Wire CAN (SAE J2411) compatible.

PRODUCT	EAN
Leaf SemiPro SWC	73-30130-00263-0
Leaf Professional SWC	73-30130-00264-7

LEAF M12

USB to M12 compatible 5-pin connector for marine applications.

PRODUCT	EAN
Leaf Light v2 M12	73-30130-00881-6

LEAF LIN

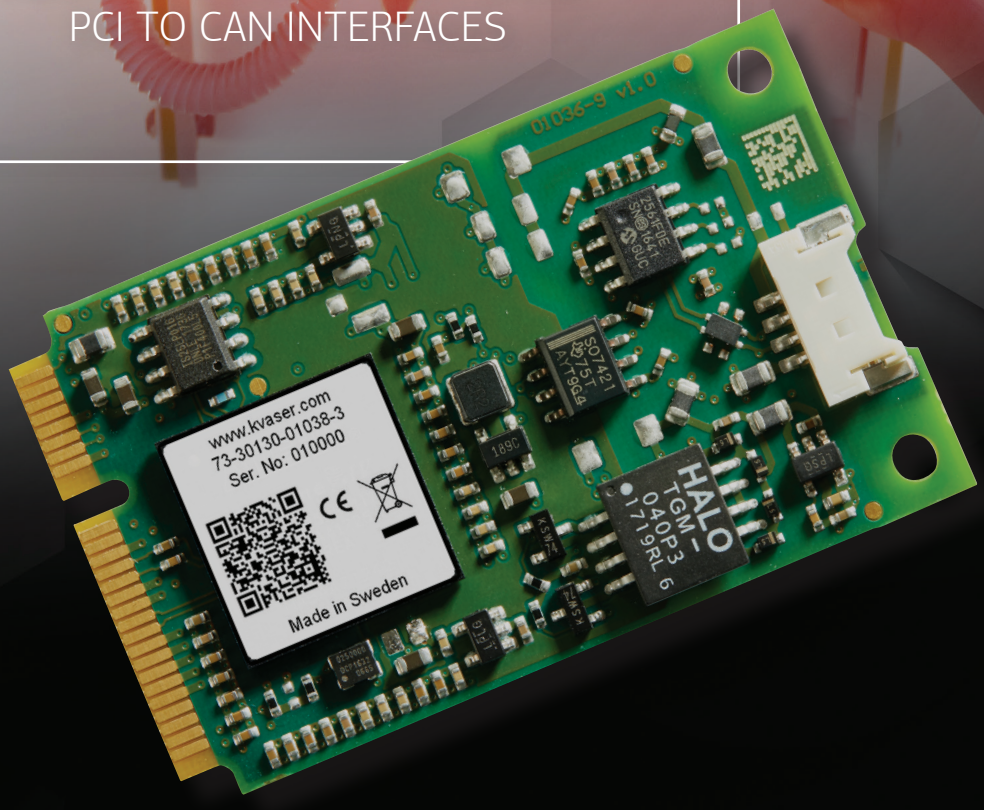
Local Interconnect Network (LIN) 1.3 and 2.x compatible.

PRODUCT	EAN
Leaf Professional LIN	73-30130-00269-2

Specs	Light	Pro
Product #	73-30130-00685-0	73-30130-00843-4
Network Channel(s)	1 x CAN HS	1 x CAN HS
CAN Bitrate	40Kbit/s - 1Mbit/s	40Kbit/s - 1Mbit/s
CAN FD	-	YES 8Mbit/s ISO & non-ISO
t Programming	-	YES
MagiSync	-	YES
Galvanic Isolation	YES	YES
Timestamp Resolution (us)	100	1
Msgrate Tx Max	8000	20000
Msgrate Rx Max	8000	20000
Silent Mode	-	YES
Error Frame Generation	-	YES
Error Counters Reading	-	YES
Error Frame Detection	YES	YES
Dimensions (mm)	165 * 17 * 35	165 * 17 * 35
IP Class	IP40	IP40
Temperature Range	-20 to +70 °C	-40 to +85 °C
Connector	DSUB 9	DSUB 9
Casing Material	PA66	PA66
Operating System	WIN & LINUX	WIN & LINUX

Kvaser PCI

INDUSTRY-LEADING HIGH-SPEED
PCI TO CAN INTERFACES



KVASER


ept
CN403
CN402
Made in Sweden

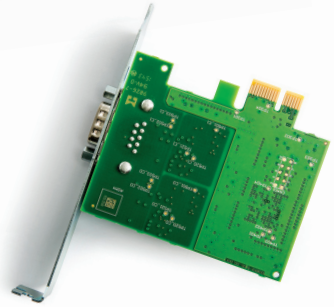
PCI VERSIONS & SPECIFICATIONS

INDUSTRY-LEADING HIGH-SPEED PCI TO CAN INTERFACES

Kvaser's highly integrated, PCI-based CAN interfaces provide a simple means of adding CAN functionality to an embedded system. Every model is carefully engineered, and compatible with software & services from over 100 technical partners

MAIN FEATURES

- PCI-X, PCIe, Mini PCIe and PCI 104 interfaces
- 8,000 – 20,000 messages per second
- 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers, some models support CAN FD
- Galvanic isolation
- Fully compatible with J1939, CANopen, NMEA2000 and DeviceNet
- Kvaser's free of charge CANLIB SDK can be used to develop software for these boards



Specs	PCIcanx HS PCIcanx HS/HS PCIcanx 4xHS
Product#	73-30130-00332-3 (1xHS) 73-30130-00331-6 (2xHS) 73-30130-00330-9 (4xHS)
Bus Interface	PCI
Network Channel(s)	1 x CAN HS 2 x CAN HS 4 x CAN HS
CAN Bitrate	20Kbit/s - 1Mbit/s
CAN FD	-
t Programming	-
MagiSync	-
Galvanic Isolation	YES
Timestamp Resolution (us)	100
Msgrate Tx Max	18000
Msgrate Rx Max	14000
Silent Mode	YES
Error Frame Generation	-
Error Counters Reading	YES
Error Frame Detection	YES
Dimensions (mm)	65 x 20 x 120 95 x 20 x 120 100 x 20 x 120
Temperature Range	-40 to +85 °C
Connector	DSUB 9 (1xHS) DSUB 9 (2xHS) DSUB 25 (4xHS)
Operating System	WIN & LINUX

Mini PCI Express HS Mini PCI Express 2xHS	Mini PCI Express HS v2 Mini PCI Express 2xHS v2	PCIEcan HS v2 PCIEcan 2xHS v2 PCIEcan 4xHS
73-30130-00688-1 (1xHS) 73-30130-00743-7 (2xHS)	73-30130-01038-3 (1xHS) 73-30130-01029-1 (2xHS)	73-30130-00866-3 (1xHS) 73-30130-00861-8 (2xHS) 73-30130-00683-6 (4xHS)
USB	mPCIe	PCIe
1 x CAN HS 2 x CAN HS	1 x CAN HS 2 x CAN HS	1 x CAN HS 2 x CAN HS 4 x CAN HS
40Kbit/s - 1Mbit/s	50Kbit/s - 1Mbit/s	50Kbit/s - 1Mbit/s
-	YES 8Mbit/s ISO & non-ISO	YES 8Mbit/s ISO & non-ISO
-	-	-
-	-	-
YES	YES	YES
25	1	1
18000	20000	20000
20000	20000	20000
YES	YES	YES
-	YES	YES
-	YES	YES
YES	YES	YES
51 x 5 x 30	51 x 5 x 30	69 x 20 x 86
-40 to +85 °C	-40 to +85 °C	-40 to +85 °C (1xHS) -40 to +85 °C (2xHS) 0 to +85 °C (4xHS)
Molex 53780 PanelMate TM	Molex 53780 PanelMate TM	DSUB 9 (1xHS) DSUB 9 (2xHS) DSUB 26HD (4xHS)
WIN & LINUX	WIN & LINUX	WIN & LINUX

Products that Power the Future of CAN

Whether they're developing vehicle safety systems in Sweden, drilling an oil well in West Texas or building autonomous frameworks in Italy, our customers are all looking for the same things: tools that they can trust.

Kvaser tools are built to make your life easier, reliably, day-in and day-out. We hope that on the next pages, you'll find some CAN tools that can do that for you.

KVASER AIR BRIDGE LIGHT HS

EAN 73-30130-00808-3 | (FCC) 73-30130-01008-6

Kvaser Air Bridge Light HS is a configuration-free wireless CAN bridge that achieves predictable latency, without sacrificing stability or range. Comprising a preconfigured pair of plug-and-play units to exchange raw CAN data, the Kvaser Air Bridge Light HS is designed for environments or situations that make wired connection unsuitable or challenging e.g., between two moving parts that are connected by CAN.

There are two versions: (00808-3) Kvaser Air Bridge Light HS is approved for the European Union, while (01008-6) Kvaser Air Bridge Light HS (FCC) complies with US certification. Both share the same functionality but have different radio transmission schemes due to regulatory differences.

MAJOR FEATURES

- A preconfigured pair of units that create a point-to-point radio link between two CAN networks
- 2.4 GHz proprietary protocol
- Internal antenna design, antenna output power max 18 dBm
- Automatic baud rate detection (125K, 250K, 500K, 1M)
- 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
- Power supplied through the CAN bus interface
- Rugged aluminum housing
- Plug and play, driver-free and configuration-free
- Fully compatible with J1939, CANopen, NMEA 2000 and DeviceNet
- Extended operating temperature range from -40 to +70 °C

TECHNICAL DATA

CAN Channels	1
CAN Transceivers	TJA1051T (Compliant with ISO 11898-2)
CAN Controller	Built into the processor
CAN Bit Rate	Autobaud at 1 Mbit/s, 500 Kbit/s, 250 Kbit/s and 125 Kbit/s
Max Message Rate	Approx. 1200 msg/s full duplex
Packet Latency	Approx. 4.8 ms
Wireless Communication	2.4 GHz Gaussian Frequency-Shift Keying (GFSK) with Frequency Hopping Spread Spectrum (FHSS) modulation
Frequency Range	2.405 GHz to 2.477 GHz
Antenna Type	Internal Antenna
Antenna Output Power	Max 18 dBm approx.
Weight	200 g
Dimensions	30 x 151 x 17 mm
Silent Mode	No
External Power	Allowed operating voltage 9 V-36 V DC Maximum input voltage 48 V DC
Power Consumption	Approx. 2 W
Hardware Configuration	Plug and Play
IP Rating	IP 65
Operating temperature	-40 C to +70 C

KVASER BLACKBIRD V2

EAN 73-30130-00671-3

Kvaser BlackBird v2 is a high-performance wireless (WLAN) communication link for the High-Speed CAN bus. More powerful and versatile a WLAN solution than Kvaser's original BlackBird, Kvaser BlackBird v2 incorporates a new radio chip with up to 75% better range.

The BlackBird v2's ability to leverage existing wireless infrastructure makes it ideal for replacing cumbersome cable, accessing hard-to-reach CAN networks or monitoring a CAN bus while in motion.

MAJOR FEATURES

- WLAN version 802.11b/g/n
- IP65-rated for protection against water and dust
- Responds to increased market demand for iOS and Android API with a "device agnostic" HTTP-based REST API (more info on REST)
- Up to 75% increased range
- Work in AdHoc and Infrastructure mode
- Lightweight but highly rugged aluminum housing
- Polyurethane cabling suitable for extreme environments
- Galvanic isolation of the CAN bus driver stage to protect the hardware
- Interfaces the CAN bus with a standard D-SUB connector
- Configured via USB connection
- Can be used as a wired interface
- Operating voltage CAN bus (7–40 V DC)
- Messages are time-stamped and synchronized with a precision of 25 microseconds
- Supports High-Speed CAN (ISO 11898-2)
- Supports 11-bit and 29-bit identifiers: for configuration instructions, see User Guide, or reference the Developer Blog article, "How to connect Multiple Kvaser BlackBirds"

TECHNICAL DATA

Bit Rate	40–1000 kbps
Temp Range	-40ºC – 70°C
Messages Per Second Received	15000 mps
Messages Per Second Sending	15000 mps
Weight	165–200 g
Length	170–190 mm
Height	17–20 mm
Channels	1
Certificates	CE, RoHS
Interfaces	WiFi
OS	Win XP, Win 7, Win Vista, Win 10, Win 8
Connectors	DSUB 9
Buffers	Auto RX Buffers, Auto TX Buffers, On Board Buffer
Galvanic Isolation	Yes
Error Frame Generation	Yes
Error Counters Reading	Yes
Silent Mode	Yes
Sound	No

KVASER ETHERCAN HS

EAN 73-30130-00976-9

The Kvaser Ethercan HS is a powerful, real-time Ethernet to CAN interface that, when linked over the Internet to an Ethernet-equipped PC, allows CAN data to be remotely accessed from anywhere in the world. Built-in Power over Ethernet (PoE) eliminates the need for a separate power cable when you can't power the device from the CAN bus.

Kvaser's Ethercan product range makes it easy to implement the Internet of Things (IoT) concept by enabling data from any CAN product or system to be sent over a corporate network or WAN, using the standard Kvaser CANlib API. Users of the Kvaser Ethercan HS can also choose to connect to the device using the built-in REST API for web-enabled devices, such as smartphones.

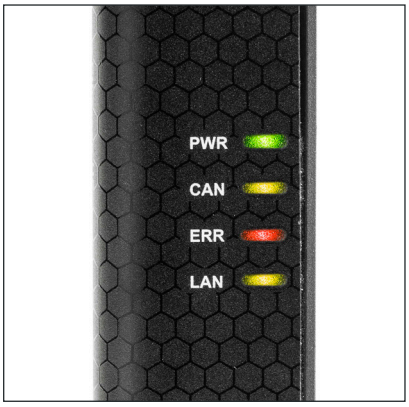
As a programmable interface, the Kvaser Ethercan HS is suited to advanced applications, such as ECU reflashing. For example, a t program could be created to process CAN messages locally in the device, removing the latency of WiFi and/or Ethernet.

MAJOR FEATURES

- High-speed CAN connection (compliant with ISO 11898-2), up to 1 Mbit/s.
- Networked CAN interface with Kvaser t programmability.
- Supports Kvaser REST API, enabling CAN data exchange with a variety of web-enabled devices.
- Time stamp accuracy of 25 µs.
- Ethernet connection has auto-MDIX, so it automatically detects and adjusts for the Ethernet cable being used.
- Built-in Power over Ethernet (PoE) - receives data and power over the Ethernet cable.
- Also receives power over CAN so the Ethercan can be powered through devices such as the Kvaser DB9-Power Inlet.
- Small, lightweight plastic housing with galvanic isolation.
- Fully compatible with J1939, CANopen, NMEA 2000R and DeviceNet.
- Includes Ethercan Factory Reset Device. This device provides the ability to reset the Ethercan's IP address to factory defaults at the push of a button.
- Supports Windows Vista or later.

TECHNICAL DATA

Bit Rate	40-1000 kbps
Channels	1
Temp Range	–20° C to +70° C
Messages Per Second Receive	20000
Messages Per Second Receive	20000
Time Stamp Resolution	25 µs
Error Frame Detection	Yes
Error Frame Generation	No
Ethernet Interface	Ethernet IEEE 802.3u 100BASE-TX
Ethernet Connector	Shielded RJ45 socket STP
Power Supply	PoE (Power over Ethernet) IEEE 802.3af or CAN +9V to +35V DC
Galvanic Isolation	Yes
Certificates	CE, RoHS
OS	Windows (Vista or later)
Weight	120 g including cables and connectors.
Dimensions	35 x 165 x 17 mm for body incl. strain relief



KVASER ETHERCAN LIGHT HS

EAN 73-30130-00713-0

The Kvaser Ethercan Light HS is a CAN-to-Ethernet interface that facilitates the adoption of the Internet of Things (IoT) concept within modern manufacturing environments by enabling data from any CAN product or system to be accessed over the Internet, via an Ethernet-equipped PC.

MAJOR FEATURES

- High-speed CAN connection (compliant with ISO 11898-2), up to 1 Mbit/s.
- Ethernet connection has auto-MDIX, so it automatically detects and adjusts for the Ethernet cable being used.
- Built-in Power over Ethernet (PoE) - receives data and power over the Ethernet cable.
- Small, lightweight plastic housing with galvanic isolation.
- Fully compatible with J1939, CANopen, NMEA 2000R and DeviceNet.
- Includes Ethercan Factory Reset Device. This device provides the ability to reset the Ethercan's IP address to factory defaults at the push of a button.

TECHNICAL DATA

Bit Rate	40-1000 kbps
Temp Range	-20 - 70 °C
Messages Per Second Receive	8000 mps
Messages Per Second Sending	8000 mps
Weight	100 g
Length	165 mm
Height	17 mm
Channels	1
Certificates	CE, RoHS
Interfaces	Ethernet RJ45
OS	Windows 10, 8, 7 and Vista
Buffers	On Board Buffer
Galvanic Isolation	Yes
Error Frame Generation	No
Error Counters Reading	No
Silent Mode	No
Sound	No

KVASER DIN RAIL S010-X10 DIGITAL ADD-ON

EAN 73-30130-01065-9

The Kvaser DIN Rail S010-X10 Digital is an optional add-on module to the Kvaser DIN Rail SE400S-X10 base module* with 16 digital inputs and 16 digital outputs. This IP20-rated module is thermal, reverse-polarity protected and surge power supply protected. A power LED displays the state of the module, whilst there are separate LEDs for each of the inputs and outputs.

*Please note: Add-on modules require a Kvaser DIN Rail SE400S-X10 to be able to work.

MAJOR FEATURES

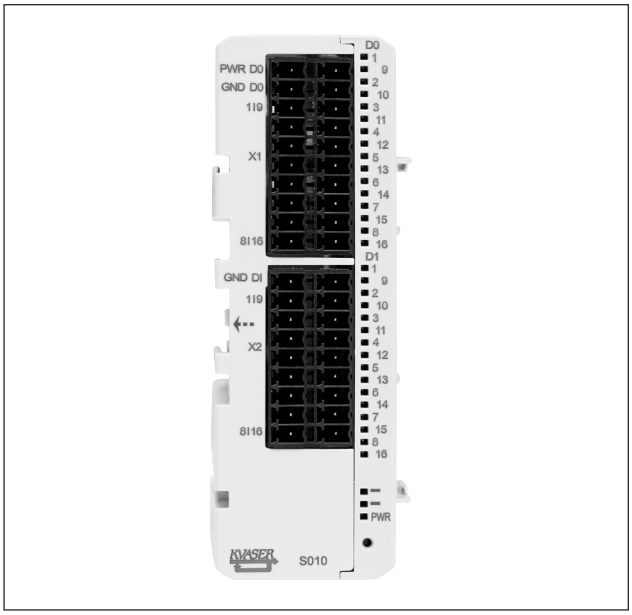
- Supports 16 digital inputs and 16 digital outputs, controllable through the base module.
- CLASS 2 rated input voltage of 24 VDC (-15%/+20%).
- IP20 rated, plus thermal, reverse-polarity and surge protection.
- Smart clip system for easy mounting on DIN Rail; no tools needed.

RELATED PRODUCTS

- Kvaser DIN Rail SE400S-X10 base module
  EAN 73-30130-01059-8
- Kvaser DIN Rail S020-X10 Analog add-on
  EAN 73-30130-01066-6
- Kvaser DIN Rail S030-X11 Relay add-on
  EAN 73-30130-01067-3

TECHNICAL DATA

Power Supply Voltage	24 VDC (-15%/+20%)
Input Current, 24V SYS	-
Input Current, 24 Process	8 A
Plug-in Current	< 2A @ 1 ms
Surge Protected Power Supply	Yes
Reversed Polarity Protected	Yes
Power Dissipation Typical	2.1 W
Power Dissipation Max	4.6 W
Transmission Medium	Internal Optical Serial Interface
Date Transfer Rate	1.5 Mbits/s
UDP Message to Output	0.5 ms
Input to UDP Transmission	0.5 ms
Dimension of Single Module (W x D x H)	33.3 x 75 x 101 mm
Weight	105 g
Installation Position	Variable
Degree of Protection	IP20



KVASER DIN RAIL S020-X10 ANALOG ADD-ON

EAN 73-30130-01066-6

The Kvaser DIN Rail S020-X10 Analog is an optional add-on module to the Kvaser DIN Rail SE400S-X10 base module. With four analog inputs and four outputs, this IP20-rated module is thermal, reverse-polarity protected and surge power supply protected. The input voltage range is fixed (between 0 and 10V), and resolution is 12 bits. A power LED displays the state of the module.

MAJOR FEATURES

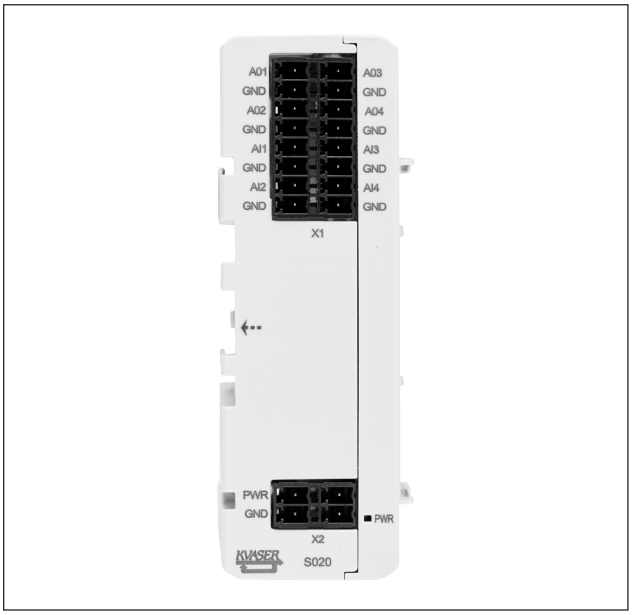
- Supports four analog and four digital outputs, controllable through the base module.
- CLASS 2 rated input voltage of 24 VDC (-15%/+20%).
- IP20 rated, plus thermal, reverse-polarity and surge protection.
- Smart clip system for easy mounting on DIN Rail; no tools needed

RELATED PRODUCTS

- Kvaser DIN Rail SE400S-X10 base module
  EAN 73-30130-01059-8
- Kvaser DIN Rail S010-X10 Digital add-on
  EAN 73-30130-01065-9
- Kvaser DIN Rail S030-X11 Relay add-on
  EAN 73-30130-01067-3

TECHNICAL DATA

Power Supply Voltage	24 VDC (-15%/+20%)
Plug-in Current	< 2A @ 1 ms
Surge Protected Power Supply	Yes
Reversed Polarity Protected	Yes
Power Dissipation Typical	2.1 W
Power Dissipation Max	3.0 W
Transmission Medium	Internal Optical Serial Interface
Date Transfer Rate	1.5 Mbits/s
UDP Message to Output	2 ms
Input to UDP Transmission	2 ms
Dimension of Single Module (W x D x H)	33.3 x 75 x 101 mm
Weight	95 g
Installation Position	Variable
Degree of Protection	IP20



KVASER DIN RAIL S030-X11 RELAY ADD-ON

EAN 73-30130-01067-3

The Kvaser DIN Rail S030-X11 Relay is an optional add-on module to the Kvaser DIN Rail SE400S-X10 base module with eight N.O. (Normally Open) relays and eight digital inputs that can be used separately. This IP20-rated module is thermal, reverse-polarity protected and surge power supply protected. A power LED displays the state of the module, whilst there are separate LEDs for each of the digital inputs.

MAJOR FEATURES

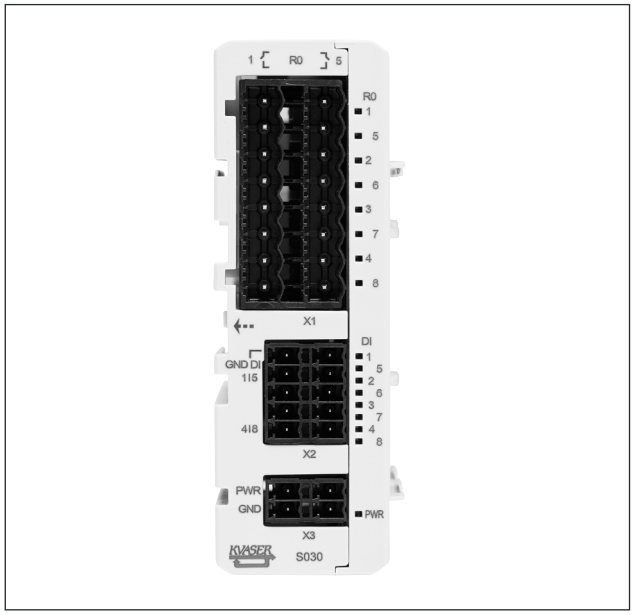
- Supports eight relays and eight digital inputs, controllable through the base module.
- CLASS 2 rated input voltage of 24 VDC (-15%/+20%).
- IP20 rated, plus thermal, reverse-polarity and surge protection.
- Smart clip system for easy mounting on DIN Rail; no tools needed.

RELATED PRODUCTS

- Kvaser DIN Rail SE400S-X10 base module
  EAN 73-30130-01059-8
- Kvaser DIN Rail S020-X10 Analog add-on
  EAN 73-30130-01066-6
- Kvaser DIN Rail S010-X10 Digital add-on
  EAN 73-30130-01065-9

TECHNICAL DATA

Power Supply Voltage	24 VDC (-15%/+20%)
Input Current, 24V SYS	-
Input Current, 24 Process	150 mA
Plug-in Current	< 2A @ 1 ms
Surge Protected Power Supply	Yes
Reversed Polarity Protected	Yes
Power Dissipation Typical	2.5 W
Power Dissipation Max	4.3 W
Transmission Medium	Internal Optical Serial Interface
Date Transfer Rate	1.5 Mbits/s
UDP Message to Output	0.5 ms
Input to UDP Transmission	0.5 ms
Dimension of Single Module (W x D x H)	33.3 x 75 x 101 mm
Weight	133 g
Installation Position	Variable
Degree of Protection	IP20



KVASER DIN RAIL SE400S-X10

EAN 73-30130-01059-8

The Kvaser DIN Rail SE400S-X10 is a powerful Ethernet to CAN FD interface with support for Kvaser t programs. It is packed into a modular housing for DIN Rail mount where different types of input/output modules can be added. The communication between these modules uses an optical bus, so no cable connections are needed, except for power in. The system can be used to monitor CAN at the same time as it uses inputs/outputs or directly control inputs/outputs from the CAN-bus. The Kvaser DIN Rail SE400S-X10 is a Networked Device and compatible with applications that use Kvaser's CANlib SDK.

MAJOR FEATURES

- Quick and easy installation.
- Multi channel CAN to Ethernet interface
- Supports CAN FD, up to 8 Mbit/s (with correct physical layer implementation).
- Capable of sending up to 20000 messages per second, per CAN channel.
- Ethernet connection with auto-MDIX using a standard shielded RJ45 socket.
- Galvanically isolated CAN channels.
- Fully compatible with J1939, CANopen, NMEA 2000 and DeviceNet.
- Modular plastic housing for easy mounting on DIN Rail, no tools needed.
- Can use up to four add-on modules for digital and/or analog inputs and outputs, controllable through Kvaser CANlib.
- Supports programs written in the Kvaser t programming language, enables e.g. gateway functionality.
- Allows users to develop IO functionality written in the Kvaser t programming language.
- Compatible with all applications written for Kvaser hardware, such as PCIcan and USBcan, using Kvaser CANlib.

RELATED PRODUCTS

- Kvaser DIN Rail S010-X10 Digital add-on 73-30130-01065-9
- Kvaser DIN Rail S020-X10 Analog add-on 73-30130-01066-6
- Kvaser DIN Rail S030-X11 Relay add-on 73-30130-01067-3

TECHNICAL DATA

CAN Channels	4
CAN Transceivers	MCP2561FD (Compliant with ISO 11898-2)
CAN Controller	Kvaser CAN IP in FPGA
CAN Bit Rate	50 kbit/s to 1 Mbit/s
CAN FD Bit Rate	Up to 8 Mbit/s (with correct physical layer implementation)
Time stamp resolution	100 µs
Max message rate	20000 msg/s per channel
Error Frame Detection	Yes
Error Frame Generation	Yes
Silent mode	Yes
PC interface	Ethernet
Ethernet interface	Ethernet IEEE 802.3u 100BASE-TX
Ethernet connector	Shielded RJ45 socket STP
Galvanic isolation	Yes
Power Supply	+9 V to +35V DC
Power consumption	TBD
Software Requirements	Windows (Vista or later)[1]
Hardware configuration	Done by software
Dimensions	36.3 x 75.0 x 101.0 mm
Weight	110 g
Operating temperature	5ºC to +65ºC
Storage Temperature	-40ºC to +70ºC
Relative Humidity	10% to 95% (non-condensing)

KVASER PC104+ HS/HS

EAN 73-30130-00352-1

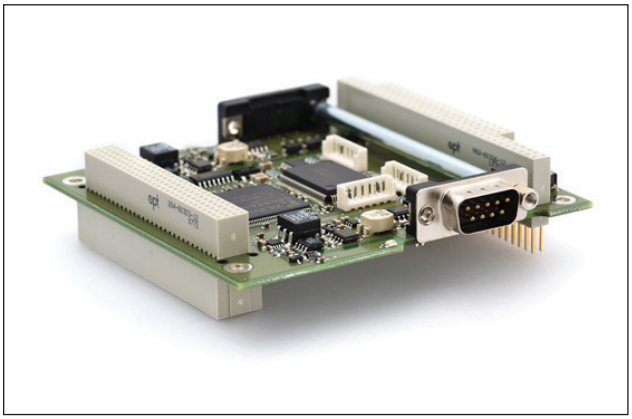
Kvaser PC104+ HS/HS is a two-channel, PC/104+ compatible CAN (Controller Area Network) interface with DSUB CAN connectors. It includes a high-performance, on-board microcontroller for CPU offloading, ensuring fast response times.

MAJOR FEATURES

- Quick and easy plug-and-play installation
- High-speed ISO 11898 compliant driver circuits, supports bit rates up to 1Mbit/s
- Compliant with the PC/104-Plus specification
- Stack-through connector
- On-board 16-bit microcontroller
- Communicates with the PC through a fast DPRAM
- Supports CAN 2.0 A and 2.0 B (active)
- CAN oscillator frequency of 16 MHz
- Interfaces the CAN bus with 9 pin DSUB connectors
- Wide temperature range: -40ºC – 85ºC

TECHNICAL DATA

Bit Rate	5–1000 kbps
Categories	Interfaces, PC INTERFACES
Certificates	CE, RoHS
Channels	2
Connectors	DSUB 9
Current Consumption	Approximately 1W @ 200mA
Error Counters Reading	Yes
Error Frame Generation	Yes
Galvanic Isolation	Yes
Height	20 mm
Length	96 mm
Interfaces	PC 104+
Messages Per Second Received	14000 mps
Messages Per Second Sending	8000 mps
OS	Win XP, Linux, Win 7, Win Vista, Win 10, Win 8
Silent Mode	Yes
Sound	No
Temp Range	-40ºC – 85ºC
Timestamp R (µ)	1 µs
Weight	100 g



KVASER PC104+ HS/HS IDC

EAN 73-30130-00336-1

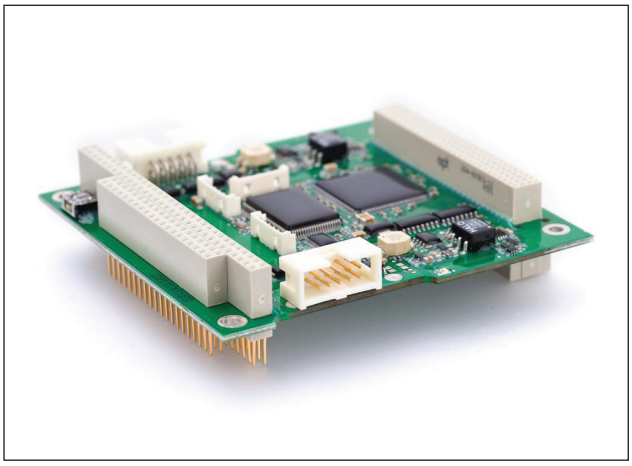
Kvaser PC104+ HS/HS IDC is a two-channel, PC/104+ compatible CAN (Controller Area Network) interface with IDC Header CAN connectors. It includes a high-performance, on-board microcontroller for CPU offloading, ensuring fast response times.

MAJOR FEATURES

- Quick and easy plug-and-play installation
- High-speed ISO 11898 compliant driver circuts, supports bit rates up to 1Mbit/s
- Compliant with the PC/104-Plus specification
- Stack-through connector
- On-board 16-bit microcontroller
- Communicates with the PC through a fast DPRAM
- Supports CAN 2.0 A and 2.0 B (active)
- CAN oscillator frequency of 16 MHz
- Interfaces the CAN bus with 9 pin DSUB connectors
- Wide temperature range: -40ºC – 85ºC

TECHNICAL DATA

Bit Rate	5-1000 kbps
Categories	Interfaces, PC INTERFACES
Certificates	CE, RoHS
Channels	2
Connectors	IDC 10
Current Consumption	Approximately 1W @ 200mA
Error Counters Reading	Yes
Error Frame Generation	Yes
Galvanic Isolation	Yes
Height	20 mm
Length	96 mm
Interfaces	PC 104+
Messages Per Second Received	14000 mps
Messages Per Second Sending	8000 mps
OS	Win XP, Linux, Win 7, Win Vista, Win 10, Win 8
Silent Mode	Yes
Sound	No
Temp Range	-40ºC – 85ºC
Timestamp R (µ)	1 µs
Weight	100 g



KVASER PCI104 HS/HS IDC

EAN 73-30130-00424-5

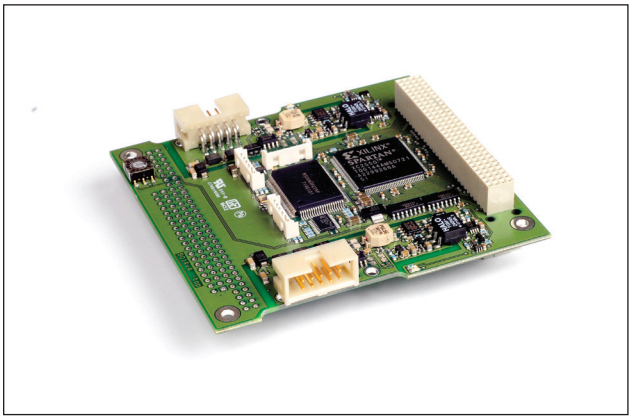
Kvaser PCI104 HS/HS IDC is a two-channel, PC/104-compatible CAN (Controller Area Network) interface with IDC Header CAN connectors. It includes a high-performance, on-board microcontroller for CPU offloading, ensuring fast response times.

MAJOR FEATURES

- Quick and easy plug-and-play installation
- High-speed ISO 11898 compliant driver circuits, supports bit rates up to 1Mbit/s
- Compliant with the PC/104 specification
- Stack-through connector
- On-board 16-bit microcontroller
- Communicates with the PC through a fast DPRAM
- Supports CAN 2.0 A and 2.0 B (active)
- CAN oscillator frequency of 16 MHz
- Interfaces the CAN bus with IDC Header connectors
- Wide temperature range: -40ºC – 85ºC

TECHNICAL DATA

Bit Rate	20–1000 kbps
Categories	Interfaces, PC INTERFACES
Certificates	CE, RoHS
Channels	2
Connectors	IDC 10
Current Consumption	Approximately 1W @ 200mA
Error Counters Reading	Yes
Error Frame Generation	Yes
Galvanic Isolation	Yes
Height	20 mm
Length	96 mm
Interfaces	PCI104
Messages Per Second Received	14000 mps
Messages Per Second Sending	8000 mps
OS	Win XP, Linux, Win 7, Win Vista, Win 10, Win 8
Silent Mode	Yes
Sound	No
Temp Range	-40ºC – 85ºC
Timestamp R (µ)	100 µs
Weight	100 g



KVASER PCICANX II HS

EAN 73-30130-00344-6

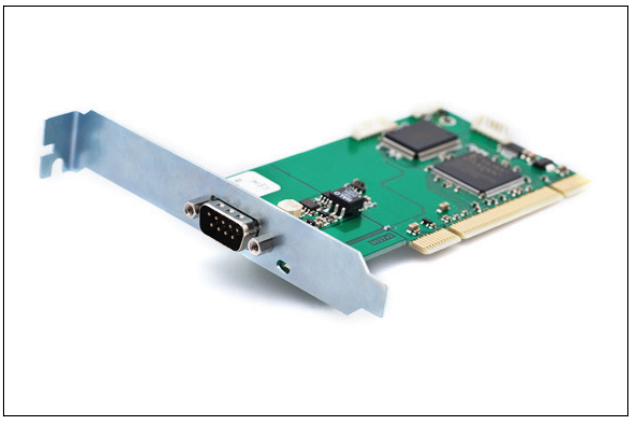
The Kvaser PCIcanx II HS is a single-channel, high-speed CAN (Controller Area Network) interface board for the PCI-X and PCI bus. It features an on-board microcontroller for offloading your main CPU and galvanic isolation for protection against voltage spikes.

MAJOR FEATURES

- Quick and easy plug-and-play installation – no switches
- Compliant with PCI 2.3
- The board fits in both 3.3V PCI-X and 3.3V and 5V PCI buses
- Fully software compatible with the discontinued PCIcan II boards
- Communicates with the PC through a fast DPRAM
- CAN Controller is a Renesas M16C
- Supports CAN 2.0 A and 2.0 B (active)
- High-speed ISO 11898 compliant driver circuits, supports bit rates up to 1 Mbit/s

TECHNICAL DATA

Bit Rate	20–1000 kbps
Categories	Interfaces, PC INTERFACES
Certificates	CE, RoHS
Channels	1
Connectors	DSUB 9
Current Consumption	Approximately 1W (200mA)
Error Counters Reading	Yes
Error Frame Generation	Yes
Galvanic Isolation	Yes
Height	20 mm
Length	65 mm
Interfaces	PCI
Messages Per Second Received	14000 mps
Messages Per Second Sending	8000 mps
OS	Win XP, Linux, Win 7, Win Vista, Win 10, Win 8
Silent Mode	Yes
Sound	No
Temp Range	-40ºC – 85ºC
Weight	100 g



KVASER PCICANX II HS/HS

EAN 73-30130-00343-9

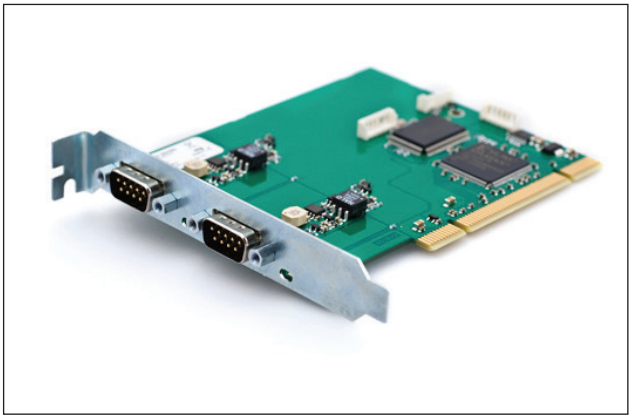
The Kvaser PCIcanx II HS/HS is a dual channel, high speed CAN (Controller Area Network) interface board for the PCI-X and PCI bus. It features an on-board microcontroller for offloading your main CPU and galvanic isolation for protection against voltage spikes.

MAJOR FEATURES

- Quick and easy plug-and-play installation – no switches
- Compliant with PCI 2.3
- The board fits in both 3.3V PCI-X and 3.3V and 5V PCI busses.
- Fully software compatible with the discontinued PCIcan II boards.
- Communicates with the PC through a fast DPRAM.
- CAN Controller is a Renesas M16C.
- Supports CAN 2.0 A and 2.0 B (active).
- High-speed ISO 11898-compliant driver circuits, supports bit rates up to 1 Mbit/s.

TECHNICAL DATA

Bit Rate	20-1000 kbps
Categories	Interfaces, PC INTERFACES
Certificates	CE, RoHS
Channels	2
Connectors	DSUB 9
Current Consumption	Approximately 1W (200mA)
Error Counters Reading	Yes
Error Frame Generation	Yes
Galvanic Isolation	Yes
Height	20 mm
Length	95 mm
Interfaces	PCI
Messages Per Second Receive	14000 mps
Messages Per Second Sending	8000 mps
OS	Win XP, Linux, Win 7, Win Vista, Win 10, Win 8
Silent Mode	Yes
Sound	No
Temp Range	-40 –85ºC
Weight	100 g



KVASER USBCAN PRO 2XHS V2 CB

EAN 73-30130-00877-9

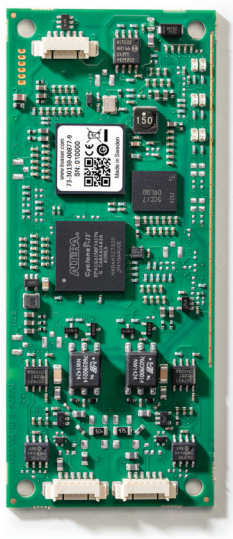
The USBcan Pro 2xHS v2 CB is a bare circuit board version of Kvaser's USBcan Pro 2xHS v2 dual channel CAN or CAN FD interface with scripting capability. The USBcan Pro 2xHS v2 CB is supplied 'bare board' i.e. without a housing, and can thus be built into any system. The Pro version is shipped with Kvaser TRX, a lightweight development environment that lowers the bar when starting out programming the device.

MAJOR FEATURES

- Supports CAN FD.
- Quick and easy plug-and-play installation.
- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers.
- Power derived from the USB connection, CAN or an in-built power supply.
- Galvanic isolation.
- High-speed CAN connection (compliant with ISO 11898-2), up to 1 Mbit/s.
- Fully compatible with J1939, CANopen, NMEA 2000 and DeviceNet.
- Kvaser MagiSync provides automatic time synchronization between several PC-to-bus interfaces connected to the same PC.
- Programming functionality to support interface mode e.g. Optimize protocol handling, pre-filter CAN messages directly on the interface, or simulate missing hardware.
- Simultaneous operation of multiple devices.

TECHNICAL DATA

Bit Rate	50-1000 kbps
Temp Range	-40 - 85 °C
Time Stamp	1
Messages Per Second Receive	20000 mps
Messages Per Second Sending	20000 mps
Length	100 mm
Height	6 mm
Channels	2
Certificates	RoHS
Interfaces	USB
Categories	PC Interfaces, Interfaces
OS	Linux, Win Vista, Win 10, Win 8, Win 7, Win XP
Connectors	Molex 51021 PicoBladeTM
Galvanic Isolation	Yes
Error Frame Generation	Yes
Error Counters Reading	Yes
Silent Mode	Yes
Sound	No
Current Consumption	max 500mA



KVASER USBCAN R V2

EAN 73-30130-00920-2

Kvaser USBcan R v2 2xHS is a lightweight, yet highly durable, two channel CAN bus interface. The IP65-rated housing is made of aluminum alloy, sealed with a heavy-duty polyurethane coating that assures reliable protection against water and dust ingress, and is vibration, shock and drop proof.

With a standard USB2.0 connection and two high-speed CAN channels in two separate 9-pin D-SUB CAN connectors, the Kvaser USBcan R v2 2xHS 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 showing power and CAN channel status.

MAJOR FEATURES

- Connect to two CAN channels simultaneously using just one device.
- IP65 rated lightweight aluminum housing, sealed with polyurethane coating.
- Capable of sending up to 15000 messages per second, per channel, each time-stamped with 100 microsecond accuracies.
- 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 2000 and DeviceNet.
- Operating temperature range from -40 to 70°C.

TECHNICAL DATA

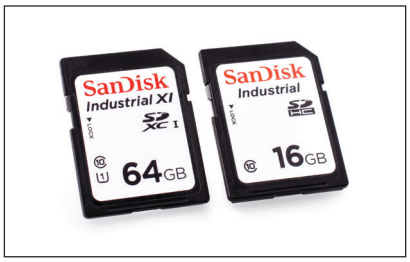
Bitrate	50-1000 kbps
Temp Range	-40 - 70 °C
Timestamp	100
Messages Per Second Receive	15000 mps
Messages Per Second Sending	15000 mps
Weight	176 g
Length	200 mm
Height	20 mm
Channels	2
Certificates	CE, RoHS
Interfaces	USB
Categories	PC Interfaces, Interfaces
OS	Windows 10, 8, 7, Vista, XP, and Linux
Connectors	DSUB 9
Buffers	Auto RX Buffers, Auto TX Buffers, On Board Buffer
Galvanic Isolation	Yes
Error Frame Generation	No
Error Counters Reading	No
Silent Mode	No
Material	Aluminium
Sound	No
Current Consumption	~ 5V and 130mA powered from the USB

ACCESSORIES

KVASER 2GB & 8GB INDUSTRIAL GRADE SD CARD

EAN: 73-30130-00493-1 | 73-30130-00539-6

This high speed class 10 SDHC card is perfect for your data logging needs. This industrial grade card has been verified by Kvaser to work with the Kvaser Memorator product family.



MEMORY SDHC/SDXC-CARD

EAN: 73-30130-00526-6 | 73-30130-01124-3

This high speed class 10 SDXC card is perfect for your data logging needs. This industrial grade card has been verified by Kvaser to work with the Kvaser Memorator product family.

INNODISK 32GB SDHC CARD

EAN: 73-30130-00834-2

Innodisk Industrial SLC SD Card is compatible with SD 2.0/1.1/1.01 standard and supports SDHC Class 10 that provides excellent performance. The built-in auto ECC function can also detect and correct errors during data transfer. Moreover, Innodisk Industrial SLC SD Card supports standby and sleep mode that reduces power consumption in advance for application with limited power source.

KVASER OBD II EXTENSION CABLES

EAN: 73-30130-00347-7 | 73-30130-00301-9 | 73-30130-00348-4 73-30130-00349-1

Kvaser's OBD II Extension Cable is a highly durable extension cable of 2.5, 5, 10 & 15 metres in length with male to female OBD II connectors. The cable is made of high quality thermoplastic rubber to ensure excellent flexibility and resilience. All pins are connected.

KVASER OOBD II TO DSUB9 ADAPTER CABLES

EAN: 73-30130-00723-9 | 73-30130-00302-6

A Kvaser OBD II Adapter Cable connects any Kvaser CAN bus interface with a DSUB9 female connector to any vehicle with an OBD II (J1962) connector. Supports K-Line.

KVASER Q-CABLES

EAN: 73-30130-00199-2 | 773-30130-00340-8

The Q-Cable is a 0.3m (approx. 0.98 ft) long adapter cable for the Kvaser PCIcanx 4xHS and Kvaser PCIcan 4xHS boards. A DSUB male connector connects to the PCIcan board, whilst four DSUB male connectors connect to the CANbus.

KVASER D-SUB 9 PIN 120 OHM TERMINATION ADAPTER

EAN: 73-30130-00801-4

Kvaser D-sub 9 pin 120 Ohm termination adapter is a CAN adaptor with a 9-pin male D-Sub connector at one end and a 9-pin female D-Sub socket at the other. Between CAN High (pin 7) and CAN Low (pin 2) there is a built-in 120 Ohm CAN terminating resistor.

KVASER T-CANNECTOR V2

EAN: 73-30130-00776-5

Kvaser T-cannector v2 is a CAN bus hub with three female and one male D-SUB9 connectors. Offering an adjustable CAN termination resistor (120 Ohm, 60 Ohm, or unterminated) it provides an affordable and safe way of terminating the CAN circuit when using Kvaser interfaces on a development board, as well as powering interface devices without internal power, such as Kvaser's Blackbird and Memorator series.

KVASER DB9-POWER INLET

EAN: 73-30130-00973-8

Kvaser DB9-Power Inlet is a power injector for CAN busses from a DC power jack into one female D-SUB9 connector. The Kvaser DB9-Power Inlet also has one unpowered male D-SUB9 connector for connecting to the CAN network. The Kvaser DB9-Power Inlet provides a simple and safe way to supply Kvaser interfaces on a development board, as well as powering interface devices without internal power, such as Kvaser's Blackbird and Memorator series.

Get more details at Kvaser.com/Accessories

Find Kvaser All Across the Globe

AMERICAS

Kvaser Inc.
23881 Via Fabricante, Suite 503
Mission Viejo, CA 92691
USA

SALES
1-877-858-2737
1-949-236-4620
sales.us@kvaser.com

SUPPORT
support@kvaser.com
1-949-305-5991

ORDERS
order.us@kvaser.com
1-949-837-8884

EUROPE

Kvaser Europe AB
Aminogatan 25 A
SE 431 53 Mölndal
SWEDEN

SALES
+46 31 886344
sales.eu@kvaser.com

SUPPORT
support@kvaser.com
+46 31 706 1375

ORDERS
order@kvaser.com

ASIA

Kvaser Asia
Room 1506, Kowloon Plaza
485 Castle Peak Road
Kowloon
Hong Kong

SALES
+852-81905105
sales.asia@kvaser.com

SUPPORT
support@kvaser.com
+852-81905105

ORDERS
sales.asia@kvaser.com

CHINA

Kvaser China
Room 6096, 6/F, 21st Century Tower
No.210 Century Avenue
Pudong New Area, 200120
Shanghai, CHINA

SALES
+021-51727237
sales.cn@kvaser.com

SUPPORT
support.cn@kvaser.com
+021-51727237

ORDERS
order.cn@kvaser.com

Kvaser 中国办事处
上海浦东新区世纪大道210号21世
大厦6楼6096室, 200120
+021-51727237

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