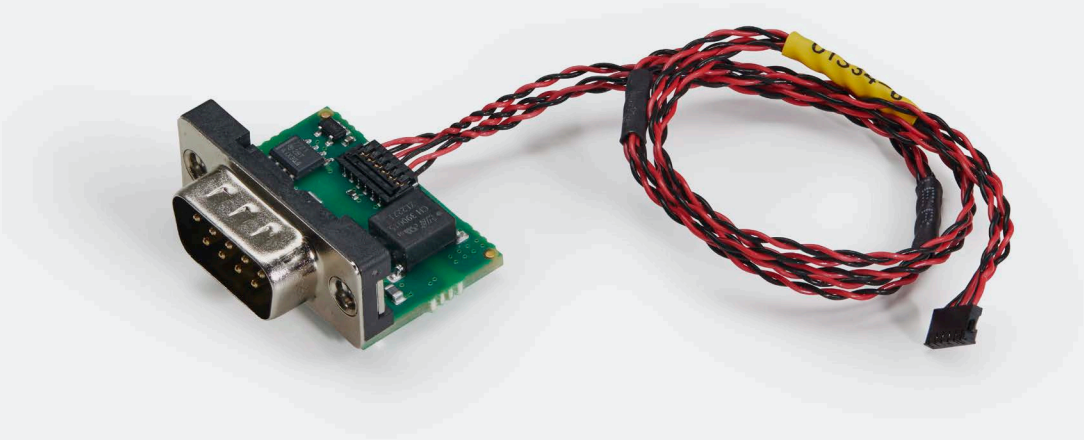
KVASER
Advancing connectivity

Kvaser Flex DB9

Learn more about this product







Kvaser Flex DB9 CAN/CAN FD transceiver

Kvaser Flex DB9 is a compact, galvanically isolated CAN/CAN FD transceiver module featuring an integrated active D-SUB9 connector for robust and standards-compliant CAN interfacing. Designed for use with the Kvaser M.2 PCIe xCAN controller card (EAN: 73-30130-01818-1), each module provides one dedicated CAN/CAN FD channel that can be positioned close to the vehicle or industrial CAN wiring for optimal signal integrity.

By moving the transceiver and connector off-board the module minimizes stub length, improves EMC performance by facilitating easier EMC zone boundary management and gives system integrators maximum flexibility in channel placement inside the target system.

Modules are sold individually, allowing customers to scale from 1 to 4 CAN channels depending on application requirements.

Warranty
2-Year warranty. See our general conditions and policies for details.

Support
Free support for all products by contacting support@kvaser.com

EAN
73-30130-01821-1

Ref. No. 98454-7 v. 2.0

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Major Features

- Active, galvanically isolated CAN/CAN FD transceiver with integrated D-SUB9 connector.
- Designed for the Kvaser M.2 PCIe xCAN controller card (one channel per module).
- CAN FD support up to 8 Mbit/s; high-speed CAN compliant with ISO 11898-2.
- Robust D-SUB9 interface following industry-standard pinout (CiA recommendations).
- Improved signal integrity due to short physical distance to the CAN bus.
- Facilitates easier EMC zone boundary management.
- Compact, lightweight module ideal for embedded system integration.

Support

At Kvaser, we are committed to providing exceptional support for all our accessories, including cables, SD cards, and mounting brackets. Our dedicated support team is here to assist you with any inquiries or issues you may encounter. Whether you need help with installation, troubleshooting, or compatibility questions, we are here to ensure you have a seamless experience with our products.

Technical Support:

For technical assistance, please reach out to our knowledgeable support team at support@kvaser.com

Documentation and Resources:

Access detailed manuals, FAQs, and troubleshooting guides on our website at www.kvaser.com/support

Warranty and Repairs:

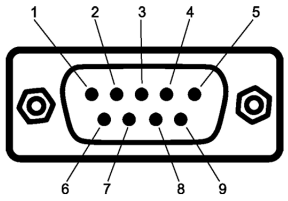
For warranty information and repair services, please visit www.kvaser.com/warranty



Four Kvaser Flex DB9 (01821-1) combined with Kvaser M.2 PCIe xCAN (01818-1)

Technical Data

CAN Bit Rate	20 kbit/s to 1 Mbit/s
CAN Channels	1
CAN Connector	9-pin D-SUB
CAN FD Bit Rate	Up to 8 Mbit/s
CAN Transceivers	SIC (Compliant with ISO 11898-2)
Dimensions CAN module card	30 x 19 mm (30 x 26 mm if including edge overhanging connector)
Galvanic isolation	Yes
Length (cable)	300 mm
Power consumption	Typically up to 1 W.
Regulatory Compliance	CE, FCC
Relative humidity	0% to 85% (non-condensing)
Temperature Range	-40 to +85 °C
Weight	9.4 g



THE D-SUB 9 CONNECTOR PIN NUMBERS

D-SUB pin number	Function
1	Not connected
2	CAN_L
3	GND
4	Not connected
5	Not connected
6	Not connected
7	CAN_H
8	Not connected
9	Not connected

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