

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.

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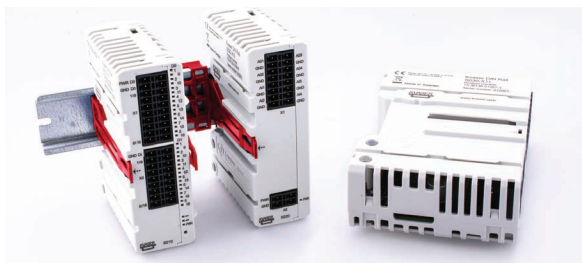
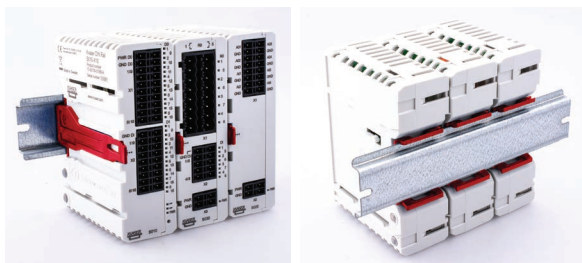
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Major Features

- 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.

Additional Modules

- 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	5°C to +65°C
Storage Temperature	-40°C to +70°C
Relative Humidity	10% to 95% (non-condensing)

WARRANTY

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

SUPPORT

Free technical support on all products available by contacting support@kvaser.com.

SOFTWARE

Documentation, Kvaser CANlib SDK and drivers can be downloaded for free at www.kvaser.com/downloads.

Kvaser CANLIB SDK is a free resource that includes everything you need to develop software for the Kvaser CAN and LIN interfaces. Includes full documentation and many program samples, written in C, C++, C#, Delphi, Visual Basic, Python and Kvaser's t programming language.

All Kvaser CAN interface boards share the common software API, CANLib SDK. 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.

HTML-Help and online documentation in Windows and Linux.