KVASER ETHERCAN HS

EAN 73-30130-00976-9 | WWW.KVASER.COM/PRODUCTS/KVASER-ETHERCAN-HS

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.

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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