

Kvaser PC104+ HS/HS IDC



Kvaser PC104+ is a two channel, PC/104+ compatible CAN interface. It includes a high-performance, on-board microcontroller for CPU offloading, ensuring fast response times.

Compact and self-stacking, the Kvaser PC104+ board complies with the flexible PC/104-Plus specification. Allowing embedded system designers to substantially reduce development costs and time. The Kvaser PC104+ board represents a dual channel CAN interface, with a high performance microcontroller onboard.

Hardware

- Compliant with the PC/104-Plus specification
- Stack-through connector
- On-board 16-bit microcontroller
- Communicates with the PC through a fast DPRAM
- CAN Controller from Renesas (M16C)
- Supports CAN 2.0 A and 2.0 B (active)
- Supports Silent Mode
- High-speed ISO 11898 compliant driver circuits, supports bit rates up to 1 Mbit/s
- Galvanic isolation between the CAN-controller and the CAN-driver
- CAN oscillator frequency: 16 MHz
- Quick and easy plug-and-play installation
- Dimensions 91 x 96 mm (approx. 3.6 x 3.8 in.)
- Interfaces the CAN bus with IDC Headers or 9 pin DSUB connectors
- Wide temperature range, -40°C - +85°C

Note: the ISA bus connector is a pass-through connector. The card does not use the ISA bus. It is PCI only.

Technical Data

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Galvanic Isolation	Yes
Bitrate	5-1000 kbit/s
Silent mode	Yes
Error frame generation	Yes
Error frame detection	Yes
Weight	100g
Timestamp resolution	1µs
On board buffer	No
Maximum message rate, send	8000
Maximum message rate, receive	14000
Sound	No
Clock synchronization	N/A
Dimensions (WxLxH)	91x96x20mm
Temperature range	-40°C to +85°C
Order number	73-30130-00336-1

The information herein is subject to change without notice