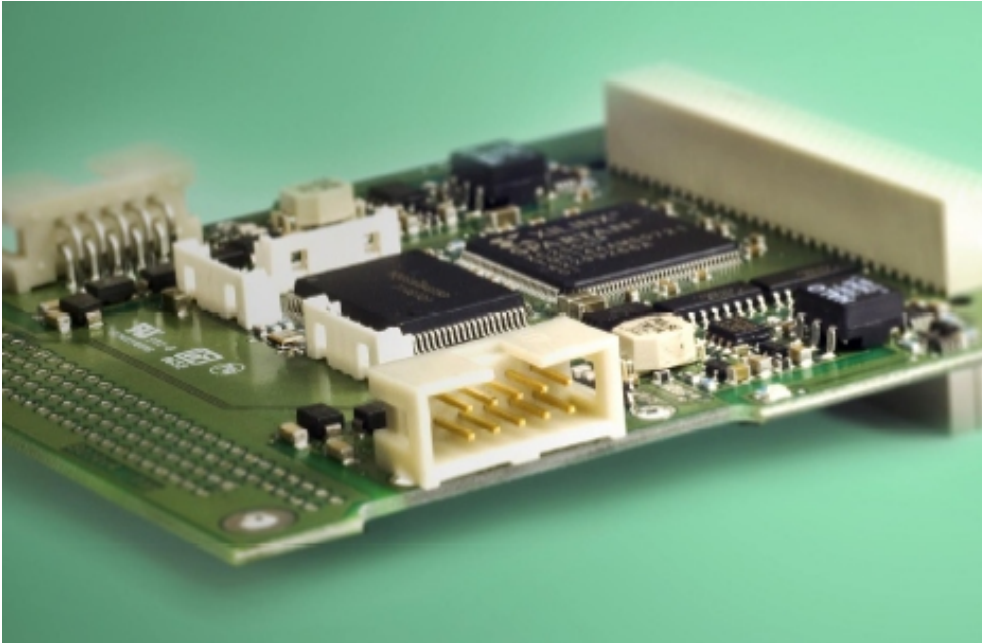


# Product Information



## Kvaser PCI 104

*CAN - PCI Bus Interface*



**Compact and self-stacking, Kvaser PCI 104 offers a dual channel CAN Interface with a powerful onboard microcontroller and it complies with the flexible PCI-104 specification.**

The Kvaser PCI 104 is an interface board between the PCI bus of a PCI-104 system and the CAN bus. The powerful microcontroller enables accurate time stamping and high data throughput. The Kvaser PCI 104 provides galvanic isolation and an extended temperature range, making it perfect for industrial applications in harsh environments.

### Application Areas

The Kvaser PCI 104 is self-stacking and offers a compact and cost effective solution for embedded systems designers.

### Excellent Software Support

The Kvaser CANlib Software Development Kit includes everything necessary to develop custom software using the Kvaser CANlib API, J2534 or RP1210. The Kvaser PCI 104 is software compatible with applications written for all other Kvaser product using the Kvaser CANlib API. The Kvaser PCI 104 is fully compatible with all higher layer protocols including J1939 and CANopen and conforms to both CAN 2.0A and CAN2.0B specifications.





## High Speed PCI bus

The PCI-104 specification is a standard for the use of a high speed PCI bus in embedded applications. The Kvaser PCI 104 interfaces provide high speed communication between the PCI-104 bus and CAN bus. These boards are self stacking and do not require a card cage or other interconnect support systems.

## Dual CAN channels

The Kvaser PCI 104 offers two CAN channels with ISO 11898-2 compliant transceivers. The CAN bus driver stage is galvanically isolated to protect the hardware. No need for extra external power supply, the internal power supply system feeds the galvanic isolation.

## Software and Documentation

Software support and documentation includes :

- Kvaser CANlib SDK, which includes full documentation and many program samples written in C, C++, Delphi, Visual Basic and C#
- Kvaser CAN interfaces and cards share a common API and programs written for one board type will run without modifications on the other board types.
- RP1210 and J2534 API
- Driver support for Windows Vista/XP/2000/Server 2003 and Linux
- Kvaser CANKing, a free general-purpose CAN bus monitor program

## Application support

AFT Marc I™  
 ATI Vision™  
 ATI Apollo™  
 ATI CANlab™  
 Ficoso CANica™  
 Kvaser CanKing™  
 National Instruments™  
 LabView™/ DIAdem™  
 VAT 2000™  
 Warwick X-Analyser™  
**Xtm™ (distributed by agostec)**

## Software Platforms:

Windows 2000 / XP™  
 Windows Vista™  
 Windows Server 2003  
 Linux™

## Technical Data

PCI-104 compliant	Yes
CAN Interface	IDC Headers
Stack-trough connector	Yes
PC communication type	DPRAM
CAN controller	Renesas (M16C)
Onboard microcontroller	Yes
Onboard message buffer	Yes
Error frame detection and generation	Yes
Error counters reading	Yes
Can 2.0A and CAN 2.0 B (active)	Yes
Silent Mode	Yes
Number of channels	2
Supports bit rates up to 1 Mbit/s	Yes
Galvanic isolation	Yes
Temperature range	-40°C ... +85°C
Plug-and-play installation	Yes
Dimensions approx	91 x 96 mm