Product Information

Kvaser PC 104+
PCI / PC104+ Interface

Compact and self-stacking, Kvaser PC104+ complies with the fexible PC/104 Plus specification. It represents a dual channel CAN Interface with a powerful microcontroller onboard.

The Kvaser PC104+ Board is an interface between the PCI bus of a PC/104 Plus system and the CAN bus. The powerful microcontroller enables accurate time stamping and high data throughput. Kvaser PC104+ provides galvanic isolation and an extended temperature range, making it perfect for industrial applications in harsh environments.

Application Areas
The Kvaser PC104+ board is self-stacking and offers a compact and cost effective solution for embedded systems designers. Kvaser PC104+ is identical to the high performance Kvaser PCIcanII board, with exception of the PC/104-Plus form factor.

Excellent Software Support
The Kvaser CANlib Software Development Kit includes everything you need to develop your own software. Kvaser Pc104+ is software compactible with applications written for Kvaser PCIcanII and all other Kvaser products using CANlib API. Kvaser PC104+ offers driver support for major operating systems.

High Speed PCI bus
The PC/104-Plus specification establishes a standard for the use of a high speed PCI bus in embedded applications. The Kvaser PC104+ modules are self-stacking and do not require a card cage or other interconnect support. Additionally, the modules are also stackable with standard PC/104 modules.

Dual CAN Channels

Kvaser PC104+ offers two CAN channels with ISO 11898-2 compliant transceivers. The CAN bus driver stage is galvanic isloated to protect the hardware. No need for extra external power supply, the internal power supply system feeds the galvanic isolation. The board interfaces the CAN bus with IDC Headers.

Software and Documentation

- Driver support for major operation systems.
- Kvaser CABlib SDK, which includes everything you need to develop software.
- Excellent common software CANlib API for all Kvaser products.
- Many programm samples, written in C, C++, Delphi, Visual Basic, C#, etc.
- Kvaser PC104+ is 100% compatible with applications written for Kvaser Leaf. Kvaser PCIx and all other Kvaser products using CANlib API.
- Kvaser CANKing, a free of charge CAN bus monitor.

Customized Adaptions on Request

- 9 - pin DSub CAN connectors
- PCI104 form factor
- Single CAN channel

Technical Data

PC/104 - Plus 2.0 compliant :	Yes
Strack-through connector :	Yes
PC Communication type :	DPRAM
CAN Controller :	Renesas (M16C)
Onboard microcontroller:	Yes
Onboard Message buffer:	Yes
CAN 2.0 A and 2.0 B (active):	Yes
Silent mode:	Yes
Number of channels:	2
Support bit rates up to 1 Mbit/s:	Yes
Galvanic isolation:	Yes
Temperature range:	-40°C .. +85°C
Pulg-and-play installation :	Yes
Dimensions approx.:	91 x 96 mm
CAN connectors:	IDC Headers / 9-pin Dsub

Application support

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

Software Platforms

Windows 2000/XP™
Windows 98/ME™
Windows Nt4™