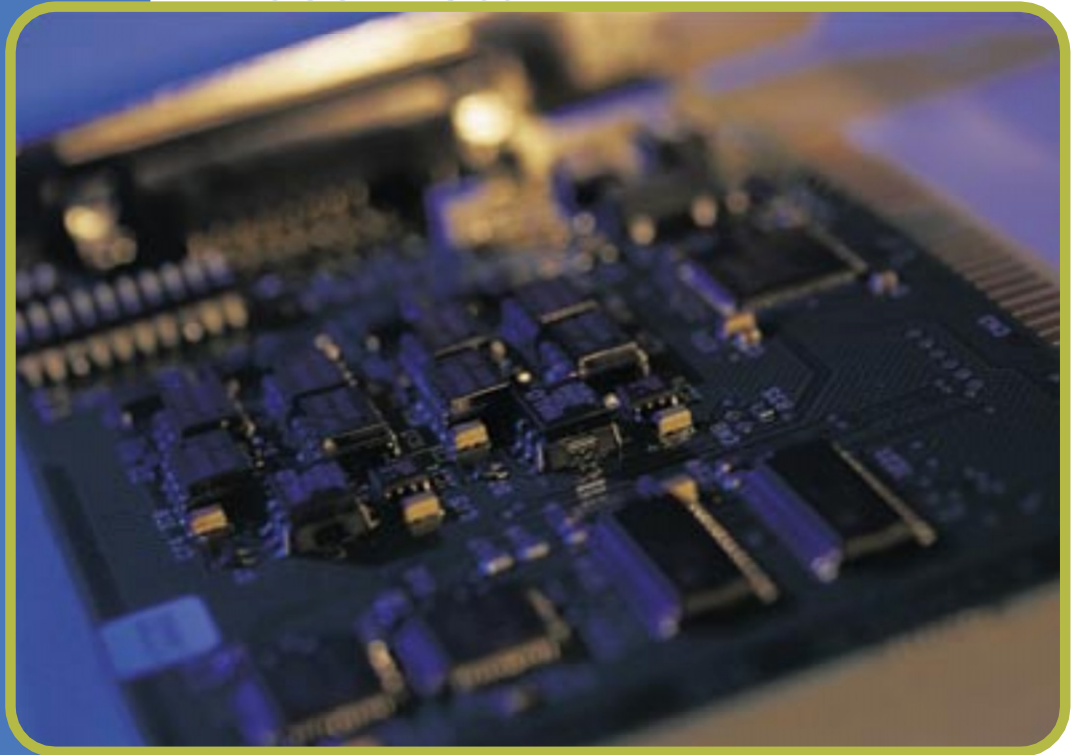
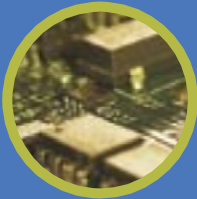


## Kvaser PCcan



### Application Support

- Kvaser CanKing™

**The Kvaser PCcan product family comprises three members: PCcan 4xHS, PCcan HS/HS, and PCcan HS**

### The Hardware

The board is a quarter-size (length 135 mm) 8-bit ISA bus board and occupies 64 bytes of I/O space. The base address can be any of  $200_H$ ,  $240_H$ ,  $300_H$ , and  $340_H$ . The interrupt signal on the CAN controllers can be connected – under software control – to any one of IRQ 2/9, IRQ 3, and IRQ 5 on the ISA bus.

The original 16 MHz oscillator may be replaced with an oscillator of frequency range 1–24 MHz to obtain the required bit rate on the bus. The PCcan board draws approximately 600 mA at 5V.

The industry-standard CAN controllers on the Kvaser PCcan cards are directly accessible to the programmer. This makes the cards suitable for cross-platform development: you can develop your software on your PC and then move it, with a minimum of changes, to your embedded system. The CAN controllers support CAN 2.0 A and 2.0 B (active.) The CAN bus drivers supports the standard, high-speed ISO11898 physical layer.

### Kvaser PCcan 4xHS

Four CAN channel interface for the ISA bus with 2 x SJA1000 and 2 x 82527 CAN controllers.

### Kvaser PCcan HS/HS

Two CAN channel interface for the ISA bus with 2 x SJA1000 CAN controllers.

### Kvaser PCcan HS

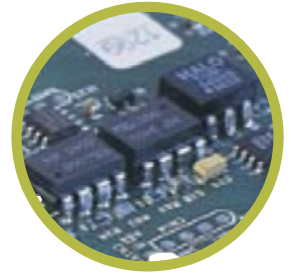
One CAN channel interface for the ISA bus with 1 x SJA1000 CAN controller.

## The External Connector

The outputs from the CAN circuits are connected to female DSUB connectors via optocouplers and bus drivers (Philips 82C251, conforming to ISO 11898).

The connectors provide the voltage feed for the bus section (optocouplers and driver circuits). Alternatively the PC is used as power source; however this gives no galvanic separation between the computer and the CAN bus.

On the Kvaser PCcan 4xHS card, it is possible to connect all the 4 CAN in/outputs to a common CAN bus, which is also connected to the CAN-connector.



## The Software

The following software is available for the PCcan family:

- Program samples written in C, C++, Delphi and Visual Basic (can be compiled with the compilers from either Borland or Microsoft®)
- A Borland Delphi VCL component
- Required include and header files (languages: C, Delphi, Visual Basic)

Documentation, software and drivers can be downloaded for free from [www.kvaser.com](http://www.kvaser.com). Updates of the software are regularly posted on the web.

## Supported Operating Systems

DOS  
Windows 3.x  
Windows 95  
Windows 98  
Windows ME  
Windows 2000  
Windows XP  
Windows NT 4.0

## Application support

Kvaser CanKing™

### Microport Computer Electronics Inc.

Telephone: 886-6-275-3783

Fax: + 886-6-237-5031

mail: [businessin@microporttaiwan.com](mailto:businessin@microporttaiwan.com)

[www.microport.com.tw](http://www.microport.com.tw)

	Channels	CAN-chips	Connectors
4xHS:	4	2xSJA1000 2x82527	1xDSUB 25
HS/HS:	2	2xSJA1000	2xDSUB 9
HS:	1	1xSJA1000	1xDSUB 9