

**Obsolete  
part**

## PcNetBoard

**Not for  
new projects**

**P**cNetBoard is a halfsize 8-bit PC card for automotive and industrial networks.

The PcNetBoard is a reliable interface board used extensively because of its performance and unique design.

The protocol chip is accessed directly by the PC processor as a memory-mapped device.

The PcNetBoard represents a cost-effective solution for applications that do not require an onboard microprocessor or memory buffer.

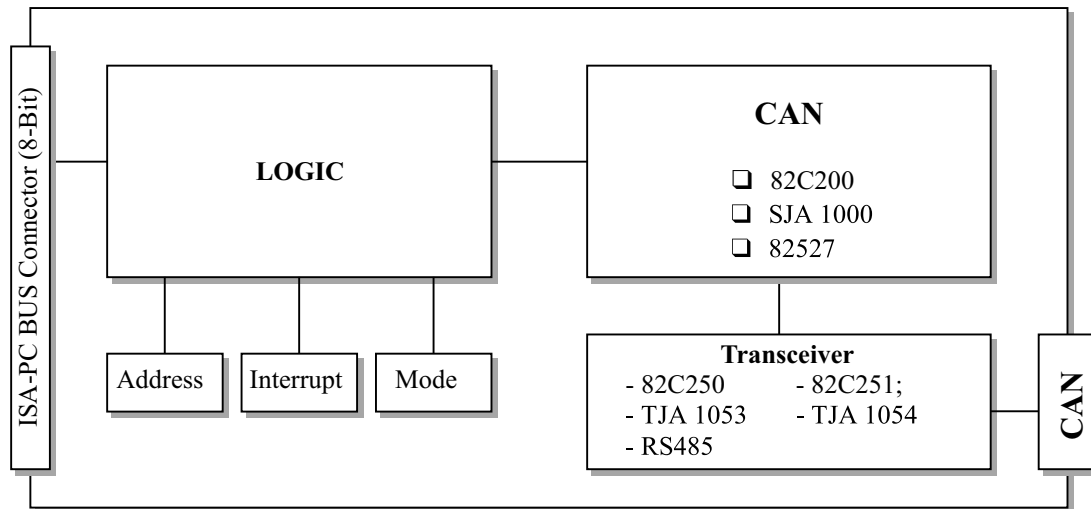


### FEATURES

- Allows use of the protocol chips by programming in assembly language or high-level languages (C++).
- Easy manipulation of network protocol-chip registers through supplied software PcCANControl for 32-bit operating systems
- Generation of messages defined in symbolic or hexadecimal form
- Network activities tracing and logging for analysis
- Jumper-selectable address range and hardware interrupt
- No PnP

### HIGHLIGHTS

- Ideal platform for developing own application without strong real-time requirements
- Memory-mapped mode or I/O-device
- Optional transceivers and protocol plug-in modules adapt basic board to a variety of applications.
- Includes operating software and PC software PcCANControl that enables the tracing of activities or selecting messages on the network, in either symbolic or hexadecimal mode.
- LevelX (DLL) for the easy programming of own complex applications



## SPECIFICATIONS

### General Characteristics

- Physical dimensions: 135 mm x 110 mm
- Power supply: from PC
- Power consumption: 120 mA without Tx module
- Temperature range: 0° to +70° C

### Connectors

- Network: 9-pin Sub-Min-D  
I+ME pinning
- PC: 8-Bit ISA-Bus

### Network protocol interfaces

- BasicCAN: 82C200 / SJA 1000
- eCAN: 82527

### Network physical interfaces

- Low Speed: 82C252; TJA 1053/1054
- High Speed: 82C250; 82C251
- Special: RS485  
Galv. decoupled,

### Jumpers:

- Memory Address: C000, C800, D000, D800
- Interrupt: IRQ 3,4,5,6

## GENERAL INFORMATION

- Hardware requirements:
  - PC-compatible
  - free ISA-slot
  - free Interrupt
- Software requirements:
  - MS-DOS 3.0 and higher, Windows 9x or NT
- Knowledge requirements for design of own applications :
  - Experience in programming PCs and Network protocols

## PRODUCT INCLUDES

- PcNetBoard incl. TxBB and CAN protocol chip
- Manual
- PcCANControl software and LevelX drivers for Win 9x/2000 and NT. MS-DOS software on request

## ORDERNUMBERS

- |                     |                            |
|---------------------|----------------------------|
| □ SJA 1000 / 82C251 | IME 1002 401               |
| □ SJA 1000 / 82C252 | IME 1002 403               |
| □ 82527 / 82C251    | IME 1004 401               |
| □ 82527 / 82C252    | IME 1004 403               |
| □ 81C90 / 82C251    | IME 1005 401 (only DOS SW) |
| □ 81C91 / 82C251    | IME 1006 401 (only DOS SW) |