# CAN Series Products

## PCI CAN Communication Card

CE FC



### PISO-CAN200-D



### PISO-CAN200-T

The PISO-CAN200 can represents an economic solution of an active CAN board. It has two independent CAN bus communication ports with 5-pin screw terminal connector or 9-pin male D-sub connector, and has the ability to cover a wide range of CAN applications. Besides, PISO-CAN200 uses the new CAN controller Phillips SJA1000T and transceiver 82C250, which provide bus arbitration, error detection with auto correction and re-transmission function. It can be installed in a 5 V PCI slot and supported truly "Plug & play".

## Features

- Compatible with CAN 2.0 parts A and B
- Fully compatible with ISO 11898-2 standard
- Support CAN bard from 10 kbps ~ 1 Mbps
- 2500 Vrms photo couple isolation on the CAN bus
- Comply with 5 V, 33 MHz, 32-bit PCI bus
- Built-in jumper to select 120 Ω terminal resister
- 3 kV galvanic isolation
- 2 independent CAN channels
- Direct memory mapping to the CAN controller
- Provide VB6.0, VC++6.0, Delphi, BCB6.0 demos
- LabView/DASYLab driver
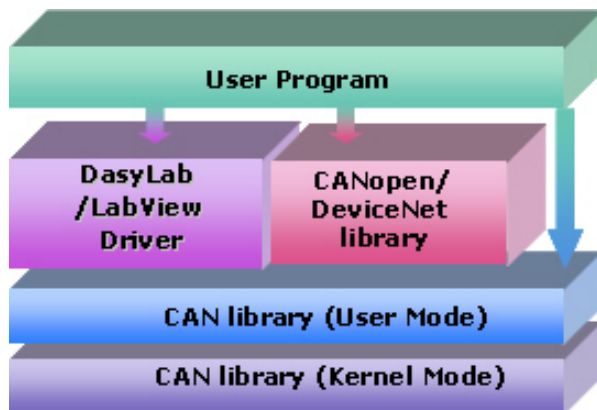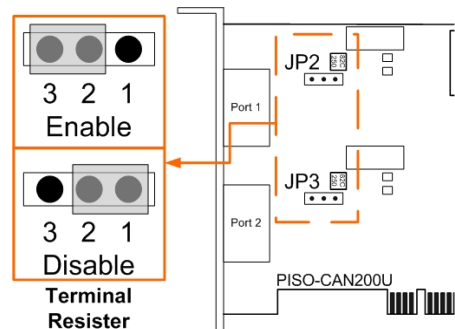- Driver support Windows 98/ME/NT/2K/XP/7

## Software Layer



## Hardware architecture



## Pin Assignments
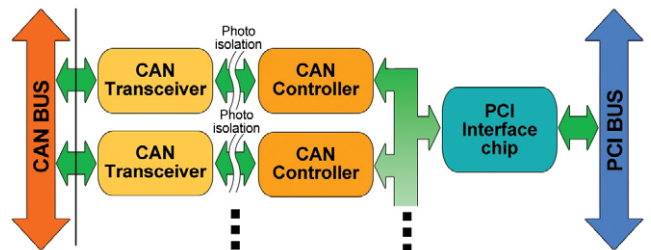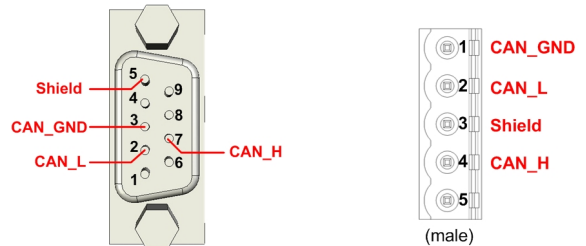


**9 pin male D-sub connector**     **5 pin screw terminal connector**

## Terminal Resistor

## Hardware Specifications

| Model Name | PISO-CAN200-D | PISO-CAN200-T |
|---|---|---|
| **Bus Interface** | | |
| Type | PCI bus, 5 V, 33 MHz, 32-bit, plug and play | |
| **CAN Interface** | | |
| Controller | NXP SJA1000T with 16 MHz clock | |
| Transceiver | NXP 82C250 | |
| Channel number | 2 | |
| Connector | 9-pin male D-Sub | 5-pin screwed terminal block |
| Baud Rate (bps) | 10 k, 20 k, 50 k, 125 k, 250 k, 500 k, 800 k, 1 M (allow user-defined baud rate) | |
| Terminator Resistor | Jumper for 120 Ω terminator resistor | |
| **Power** | | |
| Power Consumption | 250 mA @ 5 V | |
| **Software** | | |
| Driver | Windows 98/ME/NT/2K/XP/7, Linux 2.6.37, LabView, DASYLab | |
| Library | VB 6.0, VC++ 6.0, BCB 6.0, Delphi 4.0 | |
| **Mechanism** | | |
| Dimensions | 126mm x 22mm x 85mm (W x L x H) | |
| **Environment** | | |
| Operating Temp. | 0 ~ 60 ℃ | |
| Storage Temp. | -20 ~ 70 ℃ | |
| Humidity | 5 ~ 85% RH, non-condensing | |

## Utility
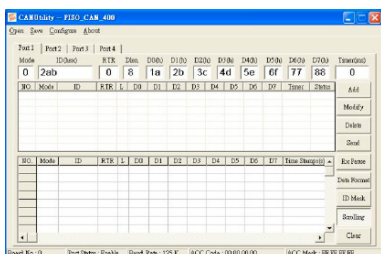


- Can be a CAN system monitor tool with CAN cards
- Can test CAN cards
- Send/Receive/Record CAN messages
- Provide cyclic transmission function
- Record the CAN messages with filter ID with time stamp

## Flow Diagram for Applications



Flow Chart of "Send CAN Messages"

Flow Chart of "Receive CAN Messages"

Flow Chart of "Receive CAN Messages" with IRQ
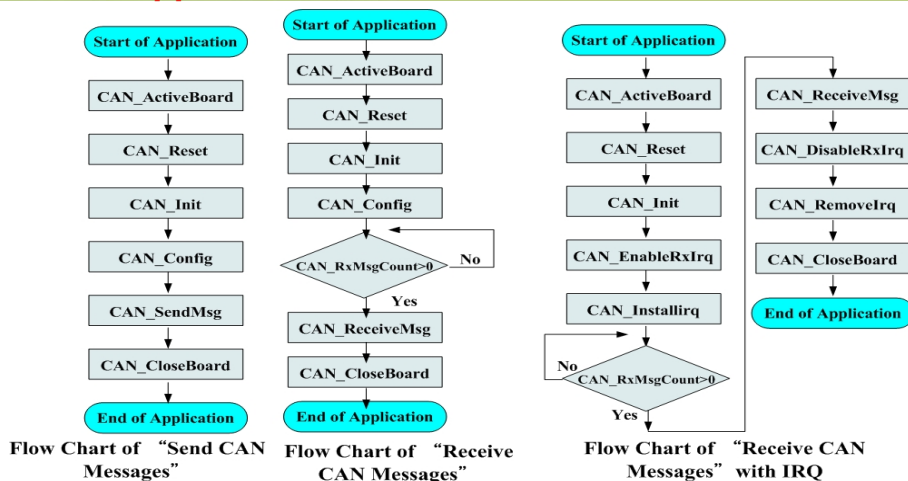
## Ordering Information

| | |
|---|---|
| **PISO-CAN200-D** | 2-Port Isolated Protection CAN Communication Board with 9-pin D-sub connector |
| **PISO-CAN200-T** | 2-Port Isolated Protection CAN Communication Board with 5-pin Screw Terminal Connector |