



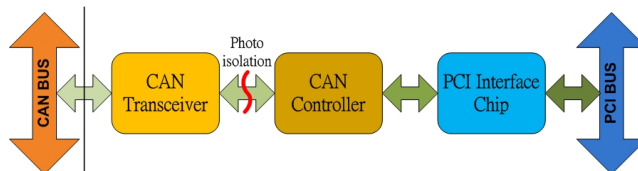
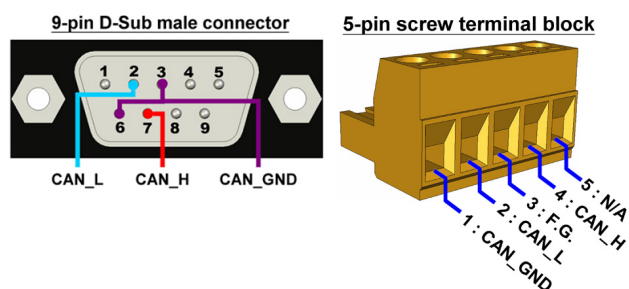
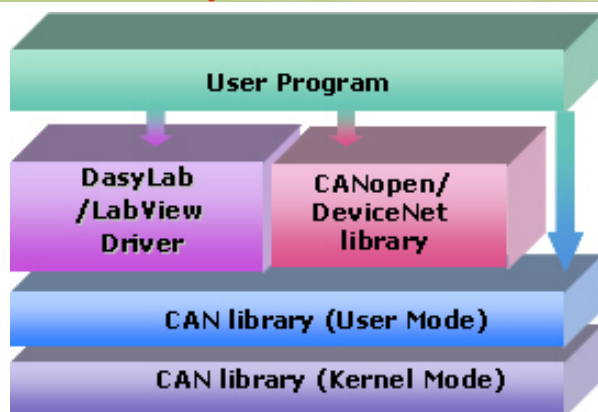
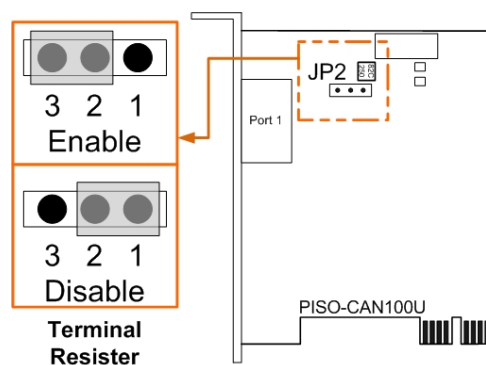
1-Port Isolated Protection Universal PCI CAN Card

*PISO-CAN100U-D**PISO-CAN100U-T*

The PISO-CAN100U can represent an economic solution of an active CAN board with universal PCI bus. It has one CAN bus communication port 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-CAN100U 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 both 3.3 V and 5 V PCI slot and supported truly “Plug & play”.

Features

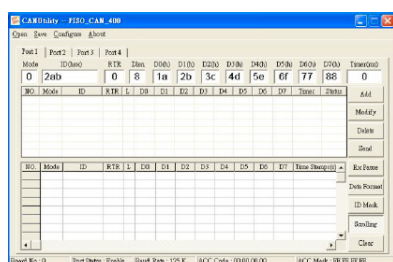
- Compatible with CAN 2.0 parts A and B
- Fully compatible with ISO 11898-2 standard
- Support CAN baud from 10 kbps ~ 1 Mbps
- 2500 Vrms photo couple isolation on the CAN bus
- Universal PCI supports both 5 V and 3.3 V PCI bus
- Built-in jumper to select 120 Ω terminal resistor
- 3 kV galvanic isolation
- one CAN channel
- Direct memory mapping to the CAN controller
- Provide VB6.0, VC++6.0, Delphi, BCB6.0 demos
- LabView/DASyLab driver
- Driver support Windows XP/7/8/10, Linux

Hardware architecture**Pin Assignments****Software Layer****Terminal Resistor**

Hardware Specifications

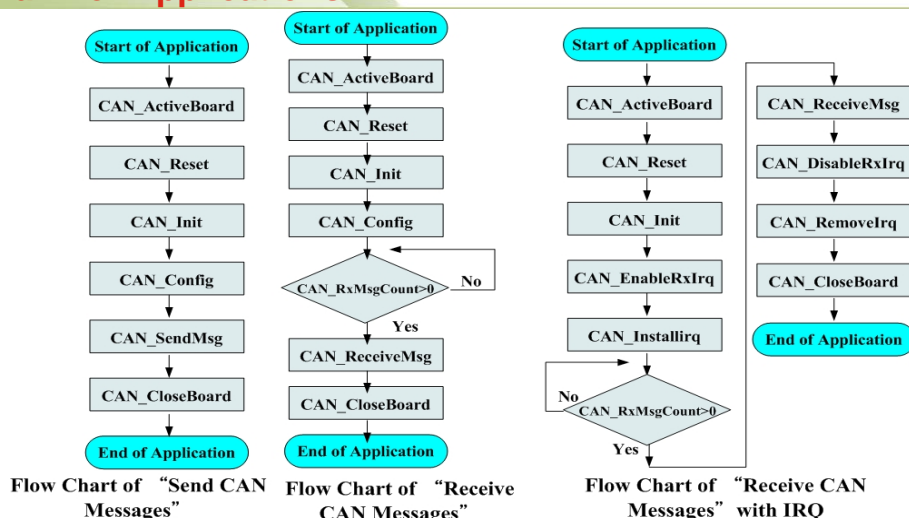
| Model Name | PISO-CAN100U-D | | PISO-CAN100U-T |
|-------------------|--|------------------------------|----------------|
| Bus Interface | | | |
| Type | Universal PCI, 3.3 V and 5 V, 33 MHz, 32-bit, plug and play | | |
| CAN Interface | | | |
| Controller | NXP SJA1000T with 16 MHz clock | | |
| Transceiver | NXP 82C250 | | |
| Channel number | 1 | | |
| 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) | | |
| Terminal Resistor | Jumper for 120 Ω terminal resistor | | |
| Power | | | |
| Power Consumption | 225 mA @ 5 V | | |
| Software | | | |
| Driver | Windows XP/7/8/10, Linux 2.6.x ~ 4.8.0, LabView, DASYLab, InduSoft | | |
| Library | VB 6.0, VC++ 6.0, BCB 6.0, Delphi 4.0, C#.Net, VB.Net | | |
| Mechanism | | | |
| Dimensions | 126mm x 22mm x 85mm (W x L x H) | | |
| Environment | | | |
| Operating Temp. | -20 ~ +60℃ | | |
| Storage Temp. | -40 ~ +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



Ordering Information

| | |
|--------------------------|---|
| PISO-CAN100U-D CR | 1-Port Isolated Protection CAN Communication Board with 9-pin D-sub connector (RoHS) |
| PISO-CAN100U-T CR | 1-Port Isolated Protection CAN Communication Board with 5-pin Screw Terminal Connector (RoHS) |