



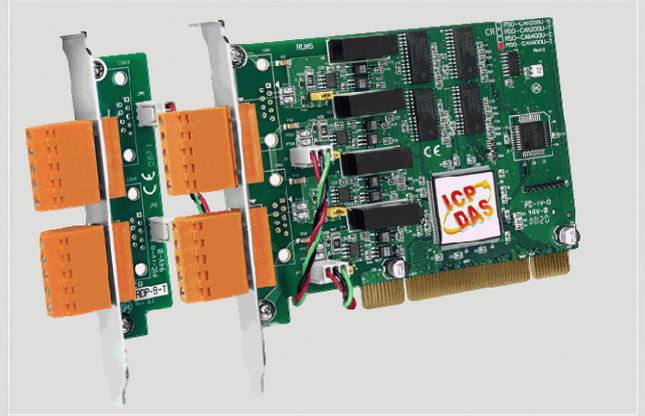
# CAN Series Products



## Universal PCI CAN Communication Card



*PISO-CAN400U-D*



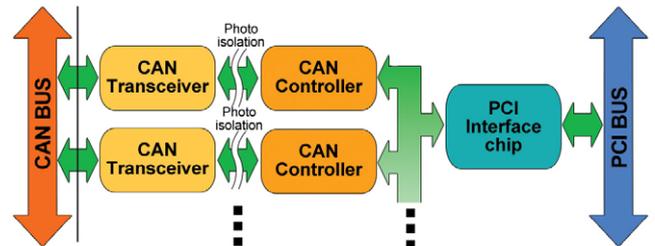
*PISO-CAN400U-T*

The PISO-CAN400U can represents an economic solution of an active CAN board. It has four independent CAN bus communication ports with 5-pin screw terminal connector or 9-pin D-sub connector, and has the ability to cover a wide range of CAN applications. Besides, PISO-CAN400U 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 3.3V and 5V PCI slot and supported truly “Plug & play”.

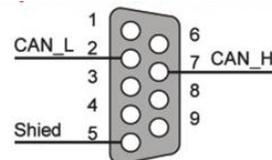
### Features

- Compatible with CAN 2.0 parts A and B
- Fully compatible with ISO 11898-2 standard
- Support CAN baud from 10K to 1M bps
- 2500 Vrms photo couple isolation on the CAN bus
- Universal PCI supports both 5V and 3.3V PCI bus
- Built-in jumper to select 120 ohm terminal resistor
- 3KV galvanic isolation
- 4 independent CAN channels
- Direct memory mapping to the CAN controller
- Provide VB, VC++, Delphi, BC++ demos
- LabView/DASYLab driver
- Driver support Windows 98/ME/NT/2K/XP and Linux

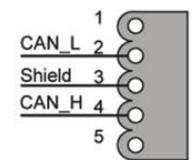
### Hardware architecture



### Pin Assignments

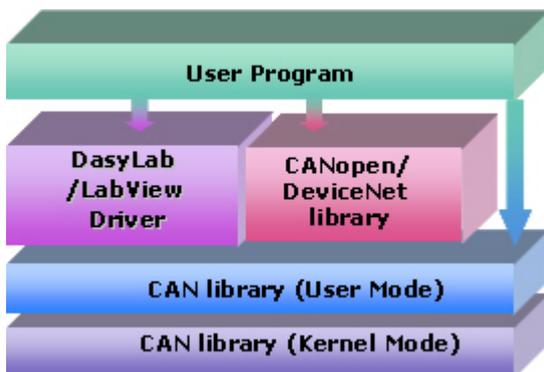


9-pin D-sub male connector

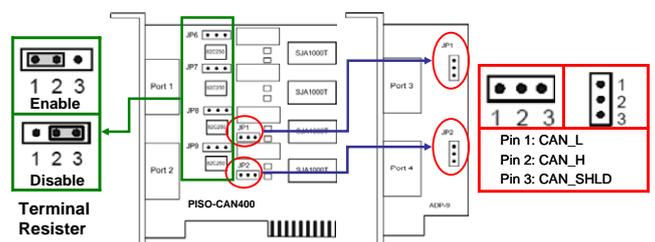


5-pin Screw terminal connector

### Software Layer



### Terminal Resistor

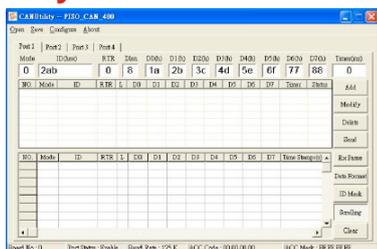




## Hardware Specifications

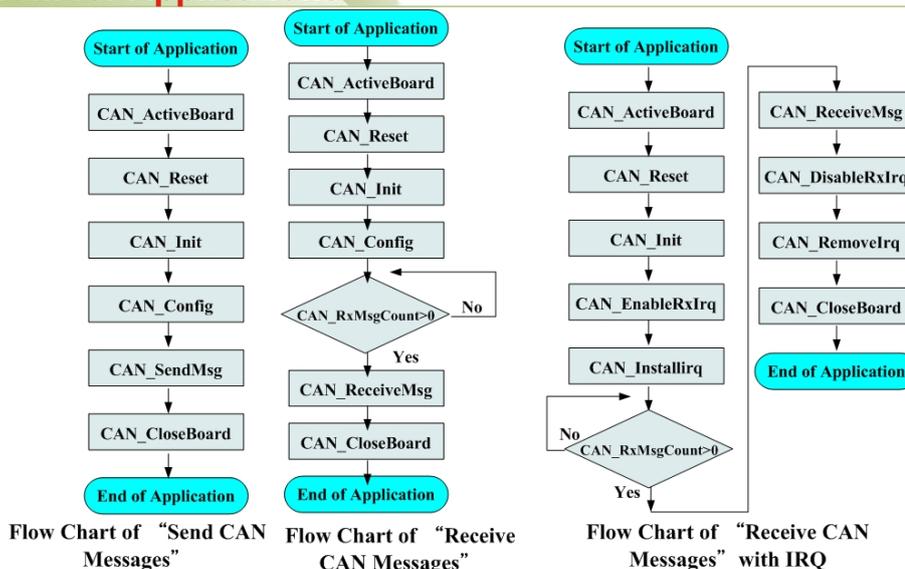
Item	PISO-CAN400U-D	PISO-CAN400U-T
CAN connector	9-pin D-sub connector	5-pin Screw Terminal Connector
Bus Type	Universal PCI supports both 5V and 3.3V PCI bus	
CAN port	4 independent CAN ports	
CAN Controller	Phillips SJA1000 CAN Controller with 16MHz	
CAN Transceiver	Phillips 82C250 CAN Transceiver	
CAN Interface	ISO/IS 11898-2, 5-pin screw terminal connector or 9-pin D-sub connector	
Signal Support	CAN_H: CAN high bus line, CAN_L: CAN low bus line	
CAN specific	Compatible with CAN specification 2.0 parts A and B.	
Transfer Rate	Programmable transfer rate up to 1 Mbps	
Terminal Resister	120Ω terminal resister selected by jumper	
Driver Support	Windows 98/ME/NT/2K/XP, Linux	
Isolated	2500Vrms on CAN side	
Power Consumption	+ 5V@ 300 mA	
Operating Temp.	0°C to 60°C	
Storage Temp.	-20°C to 80°C	
Humidity	0~90% non-condensing	
Dimensions	130mm x 110mm (W x H)	

## Utility



- Can be a CAN system monitor tool with PISO-CAN200/400 cards
- Can test PISO-CAN200/400 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

<b>PISO-CAN400U-D CR</b>	4-Port Isolated Protection CAN Communication Board with 9-pin D-sub connector (RoHS)
<b>PISO-CAN400U-T CR</b>	4-Port Isolated Protection CAN Communication Board with 5-pin Screw Terminal Connector (RoHS)