



PCI104 CAN Communication Module

PCI-104 compliant 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 Built-in jumper to select 120 Ω terminal resister 1 independent and 1 bypass CAN channels Direct memory mapping to the CAN controller Provide VB6.0, VC++6.0, Delphi, BCB6.0 demos Driver support Windows XP/7/8/10, Linux



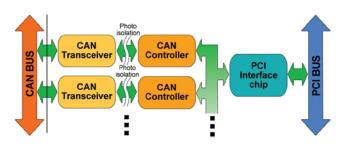
Introduction

The PCM-CAN100 can represent a CAN solution on a high quality PCI104 hardware in industrial environment compliant with CAN 2.0A and CAN 2.0B specification. It has 1 independent CAN bus communication ports with 9-pin D-sub male connector and 1 bypass CAN port with 9-pin D-sub female connector, and has the ability to cover a wide range of CAN applications. Besides, PCM-CAN100 uses the 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".

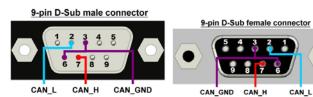
Hardware Specifications

Bus Interface	
Туре	PCI-104
CAN Interface	
Controller	NXP SJA1000T with 16 MHz clock
Transceiver	NXP 82C250
Channel number	1 independent and 1 bypass
Connector	9-pin male and female D-Sub (CAN_L, CAN_SHLD, CAN_H, N/A for others)
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	250 mA @ 5 V
Software	
Driver	Windows XP/7/8/10, Linux 2.6.x ~ 5.4.0, LabView, DASYLab, InduSoft
Library	VB 6.0, VC++ 6.0, BCB 6.0, Delphi 4.0
Mechanism	
Dimensions	91mm x 96mm x 22mm (W x L x H)
Environment	
Operating Temp.	0 ~ 60 ℃
Storage Temp.	-20 ~ 70 °C
Humidity	5 ~ 85% RH, non-condensing

Hardware architecture



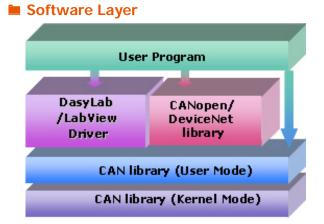
🖿 Pin Assignments



🖿 Utility

Mode 0	Port2 Port3 ID0#80 2ab		RTR			0000 1a	D100 2b	D200 3c		D300 4d	D40) 5e	D500	D600	D700) 88	Timentina
NO.	Mode	ID	RIR	L	DO	D1	D2	D3	D4	D5	D6	D7	Timer	Status	Add
															Modify
															Delete
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NO.	bode	ID	RIR	1	DO	D1	D2	D3	D4	05	D5	D7	Time Sta	mp:(z) ▲	Roc Parto
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- Can be a CAN system monitor tool with CAN cards
- It is a good tool to test CAN system
- Send/Receive/Record CAN messages
- Provide cyclic transmission function
- · Record the CAN messages with filtered ID and time stamp



Flow Diagram for Applications

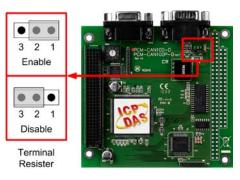
Start of Application Start of Application Start of Application CAN_ActiveBoard CAN_ActiveBoard CAN_ReceiveMsg CAN ActiveBoard CAN_Reset **CAN Reset** CAN_DisableRxIrq CAN_Reset CAN_Init CAN_Init CAN Init CAN Config CAN Removelrq CAN_EnableRxIrq CAN_Config CAN_CloseBoard No CAN_RxMsgCount>0 Yes CAN_Installirq CAN SendMsg End of Application CAN_ReceiveMsg CAN_CloseBoard No **CAN CloseBoard** CAN_RxMsgCount>0 End of Application End of Application Yes Flow Chart of "Receive CAN Flow Chart of "Send CAN Flow Chart of "Receive Messages" with IRQ Messages" CAN Messages"

Ordering Information

PCM-CAN200-D CR

1-Port Isolated Protection CAN Communication PCI-104 Module with 9-pin Male and Female D-sub connector (RoHS)

Terminal Resistor



Dimensions (Units: mm)

