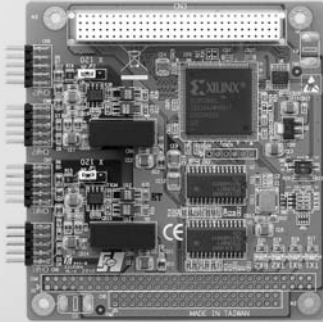# PCM-3680I

2-port CAN-bus PCI-104 Module with Isolation Protection

PCM-3680

2-port CAN-bus PC/104 Module with Isolation Protection

NEW

PCM-3680I

RoHS COMPLIANT 2002/95/EC CE

PCM-3680

RoHS COMPLIANT 2002/95/EC CE

Features

- PCI-104 Bus
- Operates two separate CAN networks at the same time
- High speed transmission up to 1 Mbps
- 16 MHz CAN controller frequency
- Optical isolation protection of 2,500 V_{DC} ensures system reliability
- I/O address automatically assigned by PCI PnP
- LED indicated transmit/receive status on each port
- Windows DLL library and examples included
- Supports high operating temperature (-40 ~ 85° C)
- Supports Windows 2000/XP/Vista and Linux

Features

- Operates two separate CAN networks at the same time
- High speed transmission up to 500 kbps
- 16 MHz CAN controller frequency
- Optical isolation protection of 1,000 V_{DC} ensures system reliability
- Wide IRQ selection for each port: IRQ 3, 4, 5, 6, 7, 9, 10, 11, 12, 15
- LEDs indicate Transmit/Receive status on each port
- Direct memory mapping enables very fast access to the CAN controllers
- Windows DLL library and examples included
- Supports Windows 2000/XP/Vista and Linux

Specifications

General

- **Card Interface**   PCI-104
- **Certifications**   CE
- **Connectors**   4 x 10 pin box header
- **Dimensions**   90 x 96 mm (3.6" x 3.8")
- **Ports**   2
- **Power Consumption**   5 V @ 400 mA

Communications

- **CAN Controller**   SJA-1000
- **CAN Transceiver**   82C250
- **Protocol**   CAN2.0 A/B
- **Speed**   Up to 1 Mbps programmable transfer rate
- **CAN Frequency**   16 MHz
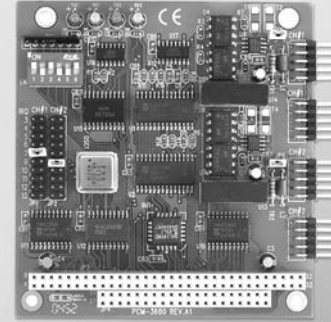- **Signal Support**   CAN_H, CAN_L

Protection

- **Isolation Protection**   2,500 V_{DC}

Environment

- **Operating Temperature**   -40 ~ 85° C (refer to IEC 68-2-1, 2) (-40 ~ 185° F)

Ordering Information

- **PCM-3680I**   2-port CAN-bus PCI-104 Module w/ Iso. Protection

Specifications

General

- **Card Interface**   PC/104
- **Certifications**   CE
- **Connectors**   2 x DB9-M w/cable
- **Dimensions**   90 x 96 mm (3.6" x 3.8")
- **Ports**   2
- **Power Consumption**   5 V @ 400 mA

Communications

- **CAN Controller**   SJA-1000
- **CAN Transceiver**   82C250
- **Protocol**   CAN2.0 A/B
- **IRQ**   3, 4, 5, 6, 7, 9, 10, 11, 12 or 15
- **Memory Segment**   From C800H to EF00H
  Base Address
- **Signal Support**   CAN_H, CAN_L

Protection

- **Isolation Protection**   1,000 V_{DC}

Environment

- **Operating Temperature**   0 ~ 65° C (32 ~ 122° F)

Ordering Information

- **PCM-3680**   Dual-port Isolated CAN Interface Module