

**CAN bus Module**

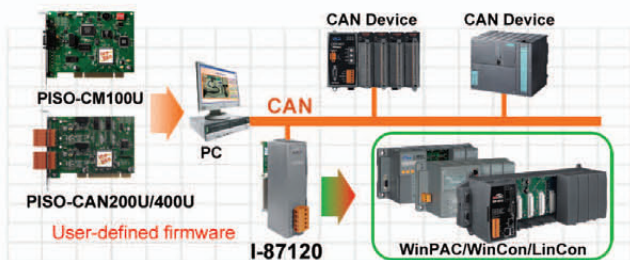
**Standalone CAN Interface Expansion Module**

**I-87120 CR**

I-87120 is developed to expand the CAN functions of ICP DAS products. However, the user-defined firmware supported by I-87120 can help users to set up the specific application easily. It supports WinPAC-8000, LinPAC-8000, XPAC-8000 and ViewPAC series PACs.



- ✓ Compatible with CAN specification 2.0 parts A and B
- ✓ Fully compatible with the ISO 11898-2 standard
- ✓ Support several kinds of baud rate from 10 kbps ~ 1 Mbps
- ✓ 2500 V<sub>rms</sub> photo couple isolation on the CAN side
- ✓ DIP switch for 120 Ω terminator resistor of CAN bus
- ✓ Watchdog inside
- ✓ 3 kV galvanic isolation
- ✓ 80 MHz 186 CPU inside
- ✓ Serial bus communication with main unit
- ✓ Allow user-designed firmware



**Standalone CAN Interface Expansion Module**

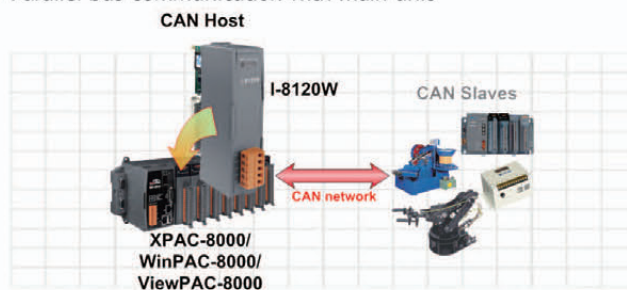
**I-8120W CR**

*NEW*

I-8120W has one CAN communication port with 5-Pin screw terminal connector, and is useful for a wide range of CAN applications. Users can design the various applications between different communication protocols. It supports WinPAC-8000, XPAC-8000 and ViewPAC series PACs.



- ✓ Compatible with CAN specification 2.0 parts A and B
- ✓ Fully compatible with the ISO 11898-2 standard
- ✓ Support several kinds of baud rate from 10 kbps ~ 1 Mbps
- ✓ 2500 V<sub>rms</sub> photo couple isolation on the CAN side
- ✓ DIP switch for 120 Ω terminator resistor of CAN bus
- ✓ Watchdog inside
- ✓ 3 kV galvanic isolation
- ✓ 80 MHz 186 CPU inside
- ✓ 8 K DPRAM inside
- ✓ Parallel bus communication with main unit



**CAN bus Board**

**PCI Express CAN Communication Board**

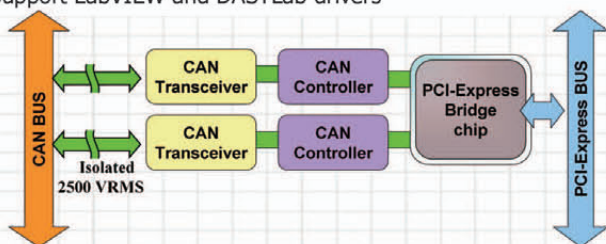
**PEX-CAN200i-D  
PEX-CAN200i-T**

*NEW*



PEX-CAN200i series has 2 independent CAN ports with 5-Pin screw terminal connector or 9-Pin D-Sub connector with PCI Express x 1 bus. Every CAN channel has isolation protection circuit.  
OS Support:  
Win2K/XP/Vista/7, Linux 2.6.31 ~ 2.6.34

- ✓ Compatible with CAN specification 2.0 parts A and B
- ✓ Fully compatible with the ISO 11898-2 standard
- ✓ Support several kinds of baud rate from 10 kbps ~ 1 Mbps
- ✓ 2500 V<sub>rms</sub> photo-couple isolation on the CAN side
- ✓ Built-in jumper for 120 Ω terminator resistor of CAN bus
- ✓ X1 link PCI Express
- ✓ 3 kV galvanic isolation
- ✓ 2 independent CAN channels
- ✓ Direct memory mapping to the CAN controller
- ✓ Provide VB, VC++, Delphi, Borland C++ builder demos
- ✓ Support LabVIEW and DASyLab drivers



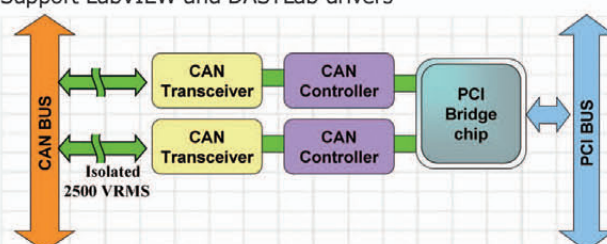
**Universal PCI CAN Communication Board**

**PISO-CAN200U-D  
PISO-CAN200U-T**



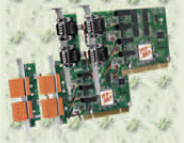
PISO-CAN200U with universal PCI interface has two independent CAN bus communication ports with 5-Pin screw terminal connector or 9-Pin D-Sub connector.  
OS Support:  
Win2K/XP/Vista/7, Linux 2.6.31 ~ 2.6.34

- ✓ Universal PCI card, supports both 5 V and 3.3 V PCI bus
- ✓ Compatible with CAN specification 2.0 parts A and B
- ✓ Fully compatible with the ISO 11898-2 standard
- ✓ Support several kinds of baud rate from 10 kbps ~ 1 Mbps
- ✓ 2500 V<sub>rms</sub> photo-couple isolation on the CAN side
- ✓ Built-in jumper for 120 Ω terminator resistor of CAN bus
- ✓ 3 kV galvanic isolation
- ✓ 2 independent CAN channels
- ✓ Direct memory mapping to the CAN controller
- ✓ Provide VB, VC++, Delphi, Borland C++ builder demos
- ✓ Support LabVIEW and DASyLab drivers



**Universal PCI CAN Communication Board**

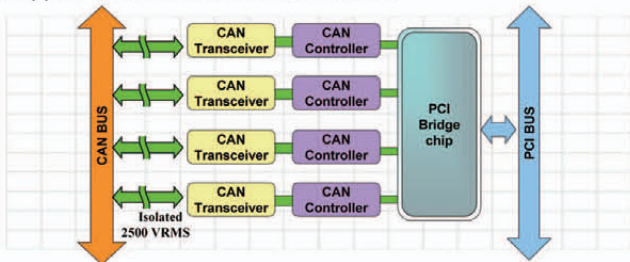
**PISO-CAN400U-D**  
**PISO-CAN400U-T**



PISO-CAN400U with universal PCI interface has four independent CAN bus communication ports with 5-Pin screw terminal connector or 9-Pin D-Sub connector.

OS Support:  
Win2K/XP/Vista/7, Linux 2.6.31 ~ 2.6.34

- ✔ Universal PCI card, supports both 5 V and 3.3 V PCI bus
- ✔ Compatible with CAN specification 2.0 parts A and B
- ✔ Fully compatible with the ISO 11898-2 standard
- ✔ Support several kinds of baud rate from 10 kbps ~ 1 Mbps
- ✔ 2500 V<sub>rms</sub> photo-couple isolation on the CAN side
- ✔ Built-in jumper for 120 Ω terminator resistor of CAN bus
- ✔ Comply with 33 MHz 32-bit 5 V universal PCI bus
- ✔ 3 kV galvanic isolation
- ✔ 4 independent CAN channels
- ✔ Direct memory mapping to the CAN controller
- ✔ Provide VB, VC++, Delphi, Borland C++ builder demos
- ✔ Support LabVIEW and DASyLab drivers



**PCI-104 CAN Communication Board**

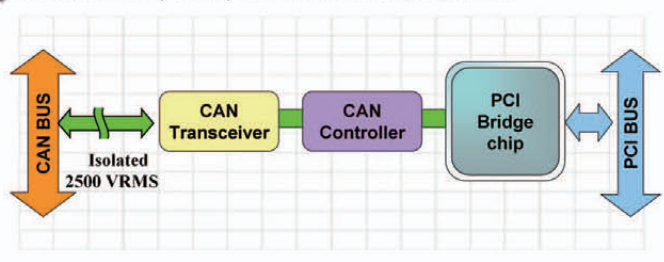
**PCM-CAN100-D**  
**CR**



PCM-CAN100 is a CAN solution with PCI-104 interface. It complies with CAN 2.0A and CAN 2.0B specification, and can cover a wide range of CAN applications. The PCM-CAN100 provides one CAN port and one bypass CAN port. Both of them use the 9-Pin D-Sub connectors.

OS Support:  
Win2K/XP/Vista/7/CE, Linux 2.6.31 ~ 2.6.34

- ✔ PCI-104 compliant
- ✔ 9-Pin male D-Sub connector
- ✔ 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 V<sub>rms</sub> photo couple isolation on the CAN bus
- ✔ Built-in jumper to select 120 Ω terminal resistor
- ✔ 3 kV galvanic isolation
- ✔ 1 independent CAN channel and 1 bypass CAN channel
- ✔ Direct memory mapping to the CAN controller
- ✔ Provide VB6.0, VC++6.0, Delphi, BCB6.0 demos
- ✔ Driver for RTX, Linux, and Windows 2K/XP/WinCE



**PCI-104 CAN Communication Board**

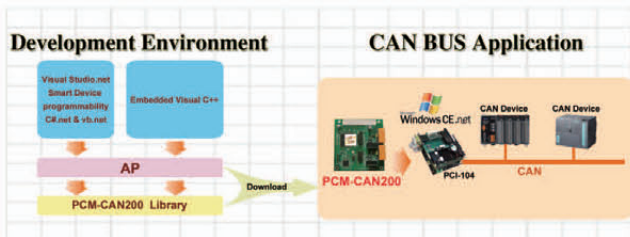
**PCM-CAN200-D**  
**CR**



PCM-CAN200 is a CAN solution with PCI-104 interface. It complies with CAN 2.0A and CAN 2.0B specification, and can cover a wide range of CAN applications. The PCM-CAN200 provides two CAN ports. Both of them use the 9-Pin D-Sub connectors.

OS Support:  
Win2K/XP/Vista/7/CE, Linux 2.6.31 ~ 2.6.34

- ✔ PCI-104 compliant
- ✔ 9-Pin male D-Sub connector
- ✔ 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 V<sub>rms</sub> photo couple isolation on the CAN bus
- ✔ Built-in jumper to select 120 Ω terminal resistor
- ✔ 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
- ✔ Driver for RTX, Linux, and Windows 2K/XP/WinCE



**PC-104+ CAN Communication Board**

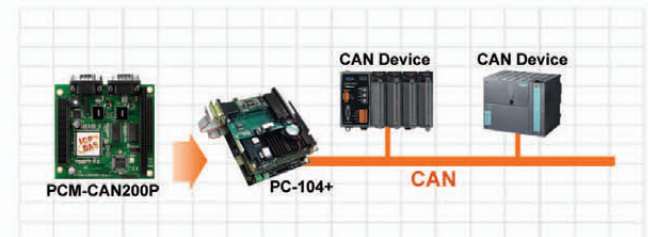
**PCM-CAN200P-D**  
**CR**



PCM-CAN200P has 2 independent CAN ports with 9-Pin D-Sub connector compatible PC-104+ specification.

OS Support:  
Win2K/XP/Vista/7/CE, Linux 2.6.31 ~ 2.6.34

- ✔ PC-104+ compliant
- ✔ 9-Pin D-Sub connector
- ✔ Compatible with CAN specification 2.0 parts A and B
- ✔ Fully compatible with ISO 11898-2 standard
- ✔ Support CAN bard rate from 10 kbps ~ 1 Mbps
- ✔ 2500 V<sub>rms</sub> photo-couple isolation on the CAN bus
- ✔ Built-in jumper for 120 Ω terminator resistor of CAN bus
- ✔ 3 kV galvanic isolation
- ✔ 2 independent CAN ports
- ✔ Direct memory mapping to the CAN controller
- ✔ Provide VB, VC++, Delphi, BC++ demos
- ✔ Driver support Windows 2K/XP/WinCE and Vista



**CAN bus Board**

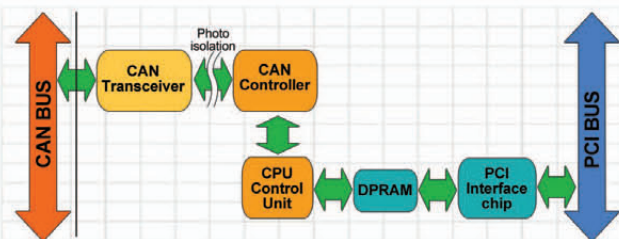
**Intelligent CAN Communication Board**

**PISO-CM100U-D**  
**PISO-CM100U-T**



PISO-CM100U built-in 80186, 80 MHz, CPU represents a very powerful CAN card to process the real-time CAN messages providing the open structure for users to program in it to satisfy the high performance system.  
OS Support: Windows 2K/XP/Vista

- ✓ Universal PCI card, supports both 5 V and 3.3 V PCI bus
- ✓ Compatible with CAN specification 2.0 parts A and B
- ✓ Fully compatible with the ISO 11898-2 standard
- ✓ Support several kinds of baud rate from 10 kbps ~ 1 Mbps
- ✓ 2500 V<sub>rms</sub> photo-couple isolation on the CAN side
- ✓ Built-in jumper for 120 Ω terminator resistor of CAN bus
- ✓ Comply with 33 MHz 32-bit 5 V (or universal) PCI bus
- ✓ 3 kV galvanic isolation
- ✓ Direct memory mapping to the CAN controller
- ✓ Provide VB, VC++, Delphi, Borland C++ builder demos
- ✓ Support LabVIEW and DASyLab drivers



**Software Support**

**CAN bus Software**

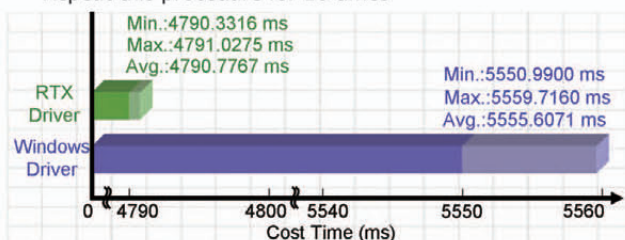
**CAN bus RTX Driver for PCI series CAN board**

**RTX CAN Driver**



The RTX CAN Driver helps users to develop the highly real-time CAN bus applications on Windows OS by PISO-CAN series in ICP DAS. The name and parameters of the APIs in the RTX driver are the same as in the Windows driver. Users don't need to pay more efforts to study how to use the APIs of the RTX driver.

- ✓ Support interrupt function if the PISO-CAN series CAN card can get the independent IRQ
- ✓ Direct I/O control and highly real-time feature
- ✓ Support Windows2000 SP4, and Windows XP SP2 OS
- ✓ Support RTX version 8.0 or late
- ✓ Provide VC 6.0 demos
- ✓ Real-time Test:
  - ★ Platform: Windows XP SP2+PISO-CAN200E
  - ★ Device: I-7186EXD-CAN with MiniOS7 (single tasking OS)
  - ★ Method: Send and receive 10000 CAN 2.0B 8-byte messages. Repeat this procedure for 10 times



**CAN bus LabVIEW Driver for PCI series CAN board**

**LabVIEW CAN Driver**



In order to apply CAN bus technology under the LabVIEW development environment. ICP DAS develops the CAN LabVIEW driver and corresponding VI elements for all PISO-CAN series CAN cards. Using LabVIEW development environment with the CAN LabVIEW driver helps users finishing their job quickly and easily, and also simply the users' CAN applications.

- ✓ NI LabVIEW Software version 8.0 or later
- ✓ OS environment: Windows 2000 / XP
- ✓ Support CAN specification 2.0A and 2.0B
- ✓ Predefine 8 kinds of CAN baud rate: 10 k, 20 k, 50 k, 125 k, 250 k, 500 k, 800 k and 1M bps
- ✓ Allow user-defined CAN baud rate
- ✓ Provide 3000-record Rx buffer for each CAN port
- ✓ Support functions for directly accessing SJA1000 register
- ✓ Allow users to read the card No. and relative information
- ✓ Support timestamp information for each received CAN messages

