

## CAN bus Converter & Repeater

ICP DAS provides all kinds of communication interfaces for CAN bus. There are RS-232, RS-485, RS-422, Ethernet, USB and fiber interfaces for various CAN applications. Also, the CAN series bridge and repeater are ICP DAS's CAN series products to enhance the CAN applications flexibility.

### CAN bus to RS-232 Converter

#### I-7530 CR

I-7530 is designed to unleash the power of CAN bus via RS-232 communication method. It converts messages between CAN networks and RS-232 networks.



- ✓ 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
- ✓ Jumper for 120 Ω terminator resistor of CAN bus
- ✓ Watchdog inside
- ✓ 3 kV galvanic isolation
- ✓ One CAN port and one RS-232 port
- ✓ Configure CAN and RS-232 parameters by utility
- ✓ Support transparent communication mode
- ✓ Mount easily on DIN-Rail



### CAN bus to Modbus RTU Converter

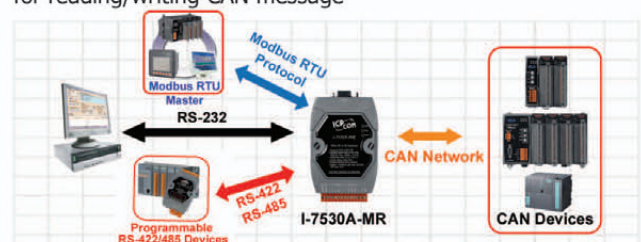
#### I-7530A-MR CR

NEW

I-7530A-MR is a kind of CAN bus to Modbus RTU converter. Similar with I-7530A, it provides a way to connect CAN networks with programmable RS-232/485/422 devices. Specially, the I-7530A-MR provides Modbus protocol. This helps PLCs, HMIs, and SCADAs accessing CAN networks more easily and conveniently.



- ✓ Fully compatible with the ISO 11898-2 standard
- ✓ Programmable CAN bus baud rate from 10 kbps ~ 1 Mbps or user-defined baud rate
- ✓ Support CAN bus acceptance filter configuration
- ✓ Provide utility tool for users module setting and CAN bus communication testing conveniently
- ✓ Convert CAN message to specific ASCII command string
- ✓ Provide pair-connection communication between the RS-232/485/422 devices via CAN bus
- ✓ Support function code 0x03/0x04/0x10 of Modbus RTU functions for reading/writing CAN message



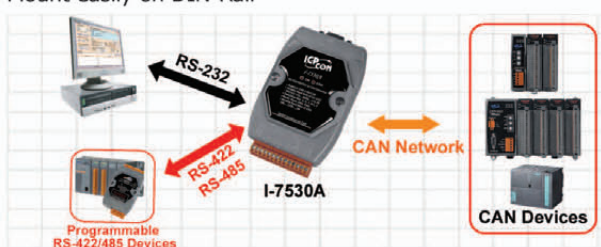
### CAN bus to RS-232/485/422 Converter

#### I-7530A CR

I-7530A is designed to unleash the power of CAN bus via RS-232 / 485 / 422 communication method. It correctly converts messages between CAN and RS-232/485/422 networks.



- ✓ 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
- ✓ Jumper for 120 Ω terminator resistor of CAN bus
- ✓ Watchdog inside
- ✓ 3 kV galvanic isolation
- ✓ One CAN, RS-232, RS-422, and RS-485 channel
- ✓ Configure CAN and serial COM parameters by utility
- ✓ Support transparent communication mode
- ✓ Mount easily on DIN-Rail



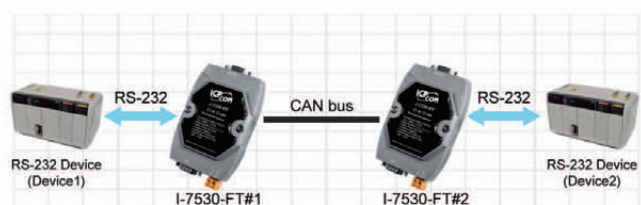
### Low Speed Fault Tolerance CAN bus to RS-232 Converter

#### I-7530-FT CR

I-7530-FT is a CAN/RS-232 low speed fault tolerant converter. It can resist more noise in harsh environment, and even access CAN messages with single line of CAN bus. It can be used in the application of CAN bus monitoring, building automation, remote data acquisition, laboratory equipment & research, factory automation, etc.



- ✓ Microprocessor inside with 20 MHz
- ✓ Built-in CAN/RS-232 converter firmware
- ✓ Fully compatible with ISO 11898-3 standard
- ✓ Max transmission speed up to 125 kbps for CAN and 115.2 kbps for RS-232
- ✓ Support both CAN 2.0A and CAN 2.0B
- ✓ Build-in RS-232/CAN FIFO buffers
- ✓ Power, data flow and error indicator for CAN and RS-232
- ✓ Hardware watchdog design



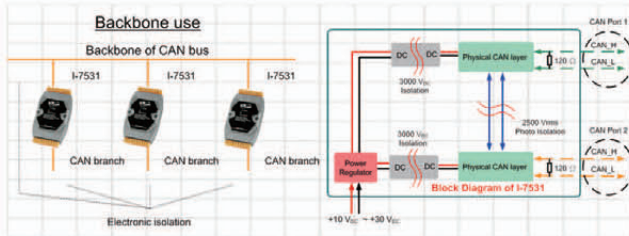
**CAN bus Isolated Repeater**

**I-7531 CR**

I-7531 is a CAN repeater used to establish a physical coupling of two or more segments of a CAN bus system. Users can implement tree or star topologies as well as for long drop lines with I-7531.



- ✔ 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 ~ 800 kbps
- ✔ 2500 V<sub>rms</sub> photo couple isolation on the CAN side
- ✔ Jumper for 120 Ω terminator resistor of CAN bus
- ✔ Watchdog inside
- ✔ 3 kV galvanic isolation among the power supply and two CAN channels
- ✔ Auto-baud detection
- ✔ Up to 100 nodes on each CAN port
- ✔ Removable terminal block
- ✔ Mount easily on DIN-Rail



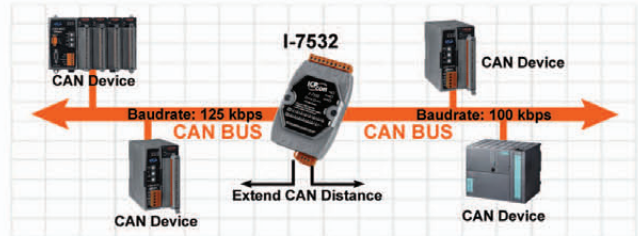
**CAN bus Bridge**

**I-7532 CR**

I-7532 is a CAN bridge used to extend CAN communication distance, enhance bus load capacity, integrate different baud rate and isolate the electronic disturbances between both CAN sides. It also provides ID filter function which can minimize CAN bus loading.



- ✔ 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
- ✔ Jumper for 120 Ω terminator resistor of CAN bus
- ✔ Extend the CAN working distance
- ✔ 3 kV galvanic isolation between two CAN channels
- ✔ Two CAN channels
- ✔ Configure CAN Baud of each channel by rotary switch
- ✔ Up to 100 nodes on each CAN port
- ✔ Removable terminal block
- ✔ Mount easily on DIN-Rail



**Industrial 4-port CAN bus Switch**

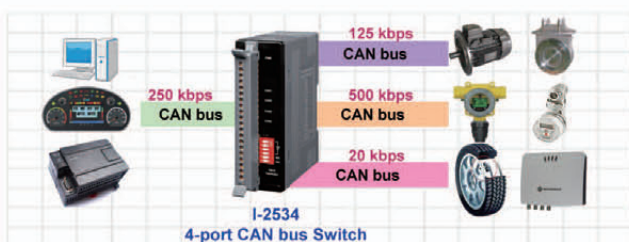
**I-2534 CR**

NEW

I-2534 is a local CAN switch used to establish a connection between four CAN bus branches in a CAN network. It solves the problems of the daisy chain topology of the CAN bus. The transmission distance limitation of each CAN port of the I-2534 is independent, which means the total network distance can be extended.



- ✔ 4 CAN communication ports
- ✔ Fully compatible with the ISO 11898-2 standard
- ✔ Compatible with CAN specification 2.0 parts A and B
- ✔ Rotary switch for the baud rate of each CAN port
- ✔ Support baud rate: 5 k ~ 1 Mbps
- ✔ Message filter of each CAN port is configurable
- ✔ DIP switch for 120 Ω terminator resistor of CAN bus
- ✔ 3 kV DC-DC isolation
- ✔ 2500 V<sub>rms</sub> isolation
- ✔ Power requirement Unregulated +10 V<sub>DC</sub> ~ +30 V<sub>DC</sub>



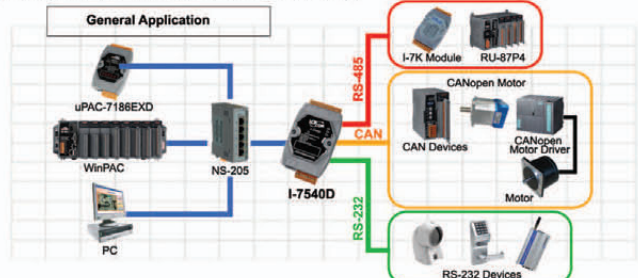
**Ethernet to CAN/RS-232/RS-485 Converter**

**I-7540D CR**

I-7540D is a solution that enables CAN networks to be coupled together over the Internet/Ethernet, whereby remote monitoring and control is possible. The I-7540D controls networked communication and makes a transparent CAN-based application interface available to the user.



- ✔ 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
- ✔ Jumper for 120 Ω terminator resistor of CAN bus
- ✔ Watchdog inside
- ✔ 10/100 Base-T Ethernet port
- ✔ 1 kV galvanic isolation
- ✔ One CAN, RS-232, RS-485 and Ethernet channels
- ✔ Configure CAN, RS-232 and RS-485 parameters by web page
- ✔ Provide Max. 25 Ethernet clients connection
- ✔ Support for Virtual COM technology



## CAN bus to Wi-Fi Converter

**I-7540D-WF**

NEW

I-7540D-WF supports the wireless transmission of CAN data between two CAN networks or between a CAN network and an 802.11b/g WLAN network. It provides the function of CAN to WLAN converter and the wireless transparent transmission method on the CAN bus network.



- ✓ IEEE 802.11b/g compliant
- ✓ Wireless data transmission via WLAN
- ✓ Two different operation modes: infrastructure and ad-hoc
- ✓ Point to point or point to multi-points connection via wireless LAN
- ✓ Supports WEP, WPA and WPA2 encryption for wireless LAN
- ✓ Compatible with CAN specification 2.0 parts A and B
- ✓ Connect CAN networks via a WLAN bridge
- ✓ Communication efficiency (peak value): one-way is up to 700 fps (client->server, server->client), two-way 350 fps (client<=>server)
- ✓ Wireless communication: 100 m (Without PA)/300 m (With PA)



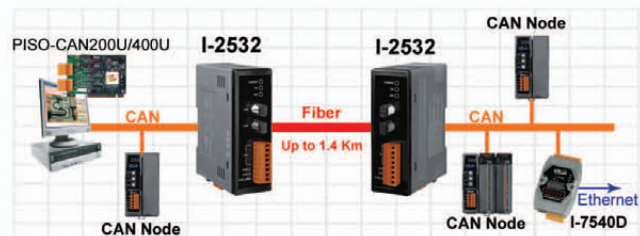
## CAN bus to Fiber Converter

**I-2532 CR**

I-2532 is a CAN to fiber optic converter that secures data transmission by using fiber optic transmission to provide immunity from EMS/RFI interference, which is designed to extend high CAN bus signals onto fiber optic cables.



- ✓ 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 ~ 500 kbps
- ✓ 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
- ✓ Fiber Port: ST (Multi-mode)
- ✓ Wave Length: 850 nm
- ✓ Fiber Cable: 62.5/125 μm
- ✓ One CAN and one fiber channel



## CAN bus to Fiber Bridge

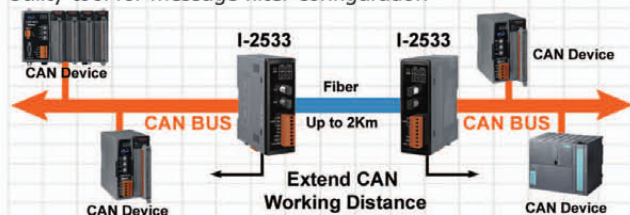
**I-2533 CR**

NEW

I-2533 is a local CAN bridge used to establish a connection between two CAN bus system via fiber optic. By using I-2533, the transmission distance limitation of the CAN bus system will not reduced because of CAN baud rate. It means that the total network distance can be extended. This feature helps users' applications more powerful and flexible.



- ✓ Fiber Port: ST (Multi-mode)
- ✓ Wave Length: 850 nm
- ✓ Fiber Cable: 62.5/125 μm
- ✓ Maximum transmission distance up to 2 km at any CAN baud rate
- ✓ 82C250 CAN transceiver
- ✓ 2500 V<sub>rms</sub> iCoupler isolation on the CAN side
- ✓ Support both CAN 2.0A and CAN 2.0B
- ✓ Fully compatible with the ISO 11898-2 standard
- ✓ Build-in switch for 120 Ω terminator resistor
- ✓ Up to 100 CAN nodes on each channel
- ✓ Rotary switch for CAN baud rate configuration
- ✓ Allow user-defined baud rate
- ✓ Fiber broken line detection
- ✓ Utility tool for message filter configuration



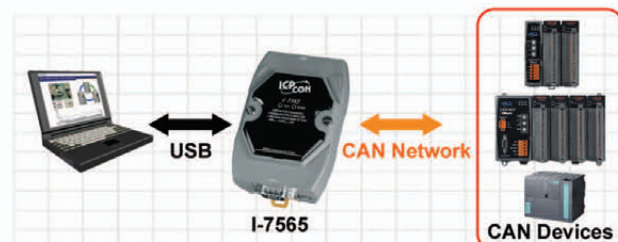
## USB to CAN Converter

**I-7565 CR**

I-7565 is a cost-effective device for connecting the CAN bus to PC via the standard USB interface.



- ✓ 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
- ✓ Jumper for 120 Ω terminator resistor of CAN bus
- ✓ Watchdog inside
- ✓ Fully compliant with USB 1.1/2.0 (Full Speed)
- ✓ 3 kV galvanic isolation
- ✓ Powered by USB port
- ✓ One CAN port and one USB channel
- ✓ Support Windows 98/ME/2000/XP and Linux drivers
- ✓ Mount easily on DIN-Rai



**High Performance USB to CAN bus Converter**

**I-7565-H1 CR**  
*NEW*

I-7565-H1 is the high performance intelligent USB to CAN converter with one CAN channel. It can make data collection and processing of CAN bus network easier and quicker.

[ OS Support ]  
Windows 2K/XP/Vista/7(32/64 bit), Linux

- ✓ Fully compatible with the ISO 11898-2 standard
- ✓ Compatible with CAN specification 2.0 parts A and B
- ✓ No external power supply (powered by USB)
- ✓ Integrated with one CAN bus interface
- ✓ Programmable CAN bus baud rate from 5 kbps ~ 1 Mbps
- ✓ Built-in jumper for 120 Ω terminal resistor of CAN bus
- ✓ 2500 V<sub>rms</sub> photo-coupler isolation on the CAN side
- ✓ 3 kV galvanic isolation among the power supply
- ✓ Support CAN bus acceptance filter configuration
- ✓ Provide configuration utility to transmit/receive CAN messages
- ✓ Max. data flow for a single channel: 3000 fps (standard frame)
- ✓ Removable terminal block, Mount easily on DIN-Rail



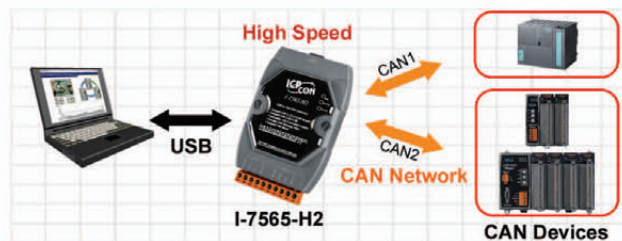
**High Performance USB to 2-port CAN bus Converter**

**I-7565-H2 CR**  
*NEW*

I-7565-H2 is the high performance intelligent USB to CAN converter with two CAN channels. It can make data collection and processing of CAN bus network easier and quicker.

[ OS Support ]  
Windows 2K/XP/Vista/7(32/64 bit), Linux

- ✓ Fully compatible with the ISO 11898-2 standard
- ✓ Compatible with CAN specification 2.0 parts A and B
- ✓ No external power supply (powered by USB)
- ✓ Integrated with two CAN bus interfaces
- ✓ Programmable CAN bus baud rate from 5 kbps ~ 1 Mbps
- ✓ Built-in jumper for 120 Ω terminal resistor of CAN bus
- ✓ 2500 V<sub>rms</sub> photo-coupler isolation on the CAN side
- ✓ 3 kV galvanic isolation among the power supply
- ✓ Support CAN bus acceptance filter configuration
- ✓ Provide configuration utility to transmit/receive CAN messages
- ✓ Max. data flow for a single channel: 3000 fps (standard frame)
- ✓ Removable terminal block, Mount easily on DIN-Rail



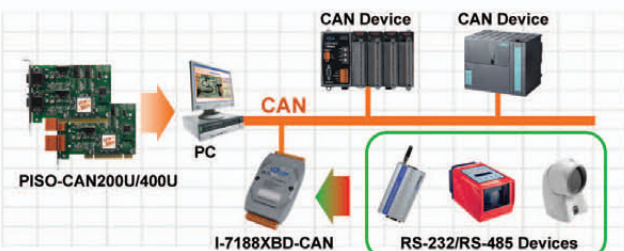
**CAN bus PAC**

**CAN/RS-232/RS-485 Programmable Automation Controller**

**I-7188XBD-CAN CR**

I-7188XBD-CAN PACs (Programmable Automation Controller) are powered by 80186, 40 MHz CPU with 512 KB SRAM and Flash. It can be applied to various applications because of its CAN port, RS-232 port and RS-485 port. Uses can program their application program flexibly with C/C++ language based on the built-in MiniOS7 operation system.

- ✓ 2500 V<sub>rms</sub> photo-isolation protection on CAN bus
- ✓ Compatible with CAN specification 2.0 parts A and B
- ✓ Programmable transfer rate up to 1 Mbps
- ✓ Jumper for 120 Ω terminator resistor for CAN channel
- ✓ 64-bit hardware unique serial number inside
- ✓ COM driver support interrupt & 1 k QUEUE input buffer
- ✓ COM port: COM1, COM2
- ✓ Built-in RTC, NVRAM, EEPROM
- ✓ One digital Input channel and one open collector output channel
- ✓ 7-segment LED display
- ✓ Not support X-board



**Ethernet/CAN/RS-232/RS-485 Programmable Automation Controller**

**uPAC-7186EXD -CAN CR**

uPAC-7186EXD-CAN PACs (programmable Automation controller) are powered by 80186, 80 MHz CPU with 512 KB SRAM and Flash. It can adapt to the many applications because of its CAN, RS-232, RS-485 and Ethernet interfaces. Uses can program their application program flexibly with C/C++ language based on the MiniOS7 operation system.

- ✓ Support TCP, UDP, IP, ICMP, ARP
- ✓ 10/100 Base-T Ethernet
- ✓ Support for Virtual COM configuration
- ✓ 1000 V<sub>dc</sub> voltage protection on CAN side
- ✓ Compatible with CAN specification 2.0 parts A and B
- ✓ Programmable transfer rate up to 1 Mbps
- ✓ Jumper for 120 Ω terminator resistor for CAN channel
- ✓ 64-bit hardware unique serial number inside
- ✓ COM port: COM1, COM2
- ✓ Built-in RTC, NVRAM, EEPROM
- ✓ 7-segment LED display

