



¡ Tu Sitio de Automatización !



Introduction

CAN (Controller Area Network) is a serial bus system especially suited to structure intelligent industry devices networks and build smart automatic control systems. The I-7565 is a cost-efficient device for coupling the CAN-bus to the PC using the standard USB interface. Nowadays the interface is present in every new PC and is supported by the MS-Windows 98, Me, 2000 and XP operating systems. If you establish the connection between the I-7565 and the PC during the runtime of the computer, the PC automatically loads the relevant device driver (hot plug & play).

The following figure shows the application architecture for I-7565 modules. The PC can be the CAN host, monitor or HMI to access/control the CAN device through the CAN network by the I-7565 Converter. This module let you to communicate with CAN devices easily from PC with USB interface.

Features

- Microprocessor inside with 20MHz
- RoHs Design
- Fully compliant with USB 1.1/2.0(Full Speed)
- Fully compatible with the ISO 11898-2 standard
- No external power supply is required as I-7565 takes it's power from the USB bus
- 82C250 CAN transceiver
- Transmission speed up to 1M bps for CAN and 921.6K bps for USB
- Support both CAN 2.0A and CAN 2.0B
- Built-in jumper to select 120 ohm terminal resister
- Power, data flow and error indicator for CAN and USB
- 1000 frames in CAN received buffer
- Watchdog inside
- Windows 98/ME/2000/XP/Linux drivers support
- Linux driver supported · ·

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Alcalde # 1822 Col. Miraflores C.P. 44270 Guadalajara, Jal. México
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Applications

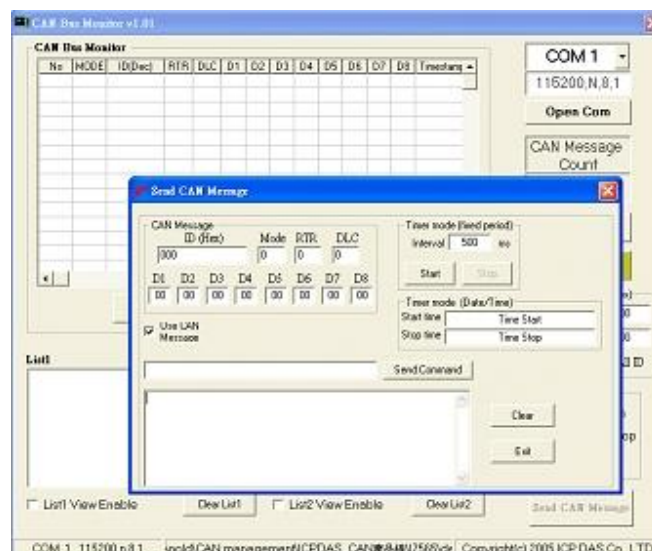
- Factory Automation
- Building Automation
- Home Automation
- Control System
- Monitor System
- Vehicle Automation

Utility

- CAN bus Baud rate configuration
- CAN acceptance filter configuration
- CAN2.0A or 2.0B specific selection
- Checksum and Error Response settings
- Easy test to transmit/receive CAN messages

CAN Monitor and Datalog Tool

- It has a CAN message field which can display the receiving CAN messages in Decimal or HEX mode.
- Can display the timestamp of each received CAN message.
- Users can change the display mode, up-down, down-up or stop.
- It can count the number of received CAN messages.
- Data Log : It can save the CAN message as “ txt ” file.
- Has CAN ID filter function.
- Can send CAN message to CAN BUS according the defined interval time.

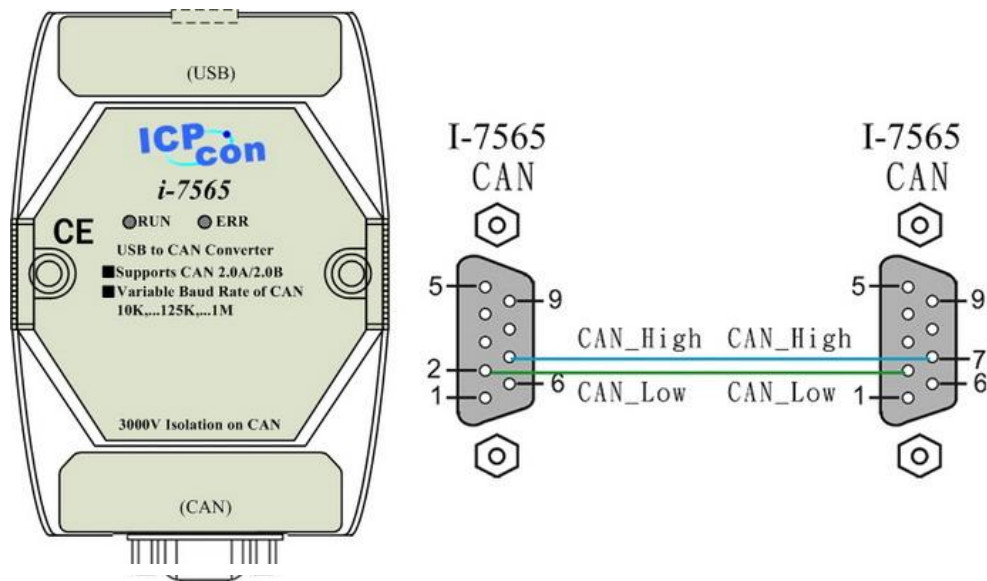


Specifications

CAN Controller	Microprocessor inside with 20MHz
CAN Port Channels	1
CAN Transceiver	Philips 82C250
CAN Connector	ISO/IS 11898-2, 9-pin D-sub connector
CAN Baud Rate	10K, 20K, 50K, 100K, 125K, 250K, 500K, 800K and 1Mbps
Isolation	3000 Vrms on the CAN side
Terminator Resistor	Selectable 120Ω terminator resistor by jumper
Support Protocol	CAN 2.0A/2.0B
Pinouts	C.I.A. DS-102 (CAN_H = 7, CAN_L = 2, GND = 3)
Receive Buffer	1000 data frames
Connector	USB Type B
Baud Rate	921.6K bps fixed
Compatibility	USB 1.1 and 2.0 standard
Receive Buffer	900 data frames
Power Consumption	1.5W
LEDs	ON LED: Power and Data Flow; ERR LED: Error
Operating Temperature	-25°C to +75°C
Storage Temperature	-40°C to +80°C
Humidity	5~95% non-condensing
Dimensions	108mm x 72mm x 35mm (H x W x D)

Hardware

PIN Assignment

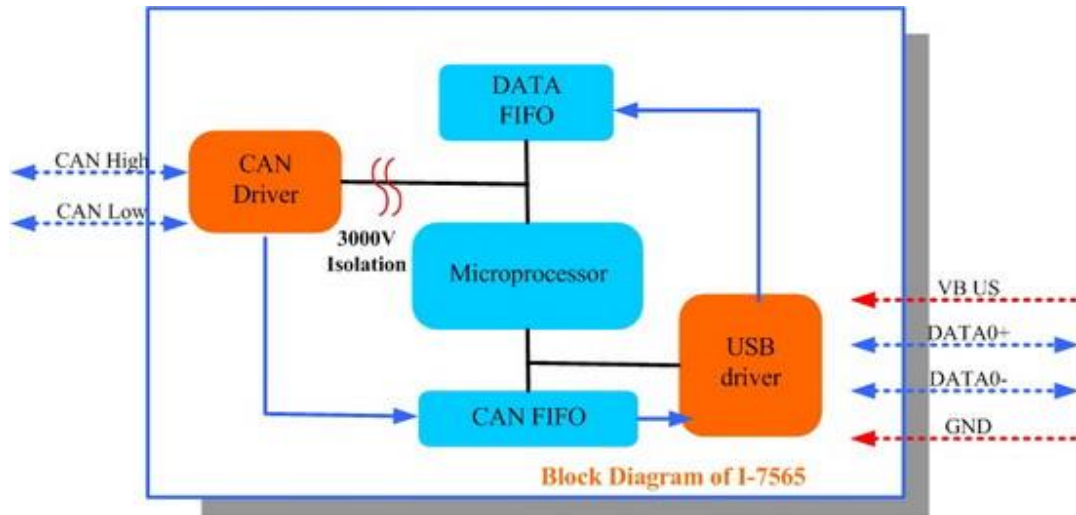


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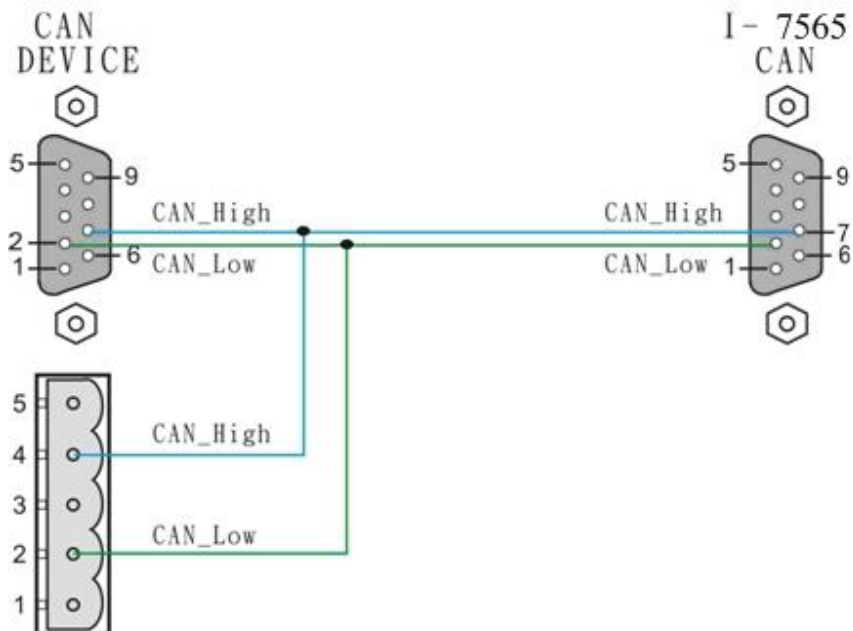
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Internal I/O Structure



Wire Connection



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