

INTERCONNECTING PRODUCTS AND CABLES

I-7565

USB TO CAN MODULE

- Lets a PC Control or Monitor a CAN system.
Full control to test CAN systems.
- Control with Visual Basic or C++ program using supplied DLL
Programming aid included.
- RS-485 network with baud rates up to 115.2 kbaud.
High speed for quick responses.
- 3000 V Isolation on CAN side.
Protects local devices and PC.
- Power and Error LEDs
Displays module's condition.
- Mounts on standard DIN rail.
Easy mounting and replacement.
- RoHS construction
Meets latest specifications
- Powered by the USB Bus.
No outside power required.

 Approved

Description

The I-7565 is a cost-efficient device for coupling the PC to the CAN bus to the using the PC's standard USB interface. The CAN (Controller Area Network) bus is a serial bus system used in industrial networks to build smart automatic control systems. The advantage of using the USB port is that the USB interface is present in every new PC and is supported by the Microsoft Windows 98, Me, 2K, XP and Vista operating systems. When the I-7565 is plugged into a USB bus port, the PC automatically loads the relevant I-7565 device driver.

The following figure shows the application architecture for I-7565 modules. With the I-7565, the PC can be the CAN host, monitor or act as an HMI interface to access/control the CAN device through the CAN network. The I-765 lets you to communicate with CAN devices easily from PC with USB interface.

I-7565 features:

3000V isolation on CAN side. The CAN port of I-7565 is an isolated with 3000V isolation. This isolation can protect the local devices from the damage signal coming from CAN network.



I-7565 USB to CAN Module

Watchdog inside. The I-7530 Watchdog is a hardware reset circuit to monitor the I-7565's operation status. When working in harsh or noisy environment, the I-7565 may be down by the external signal. The circuit may let the I-7565 to work continuously and never halt.

Power and Error indicator display. There are two indicators on the I-7565. The power indicator can help user to check whether the I-7565 is standby or transmitting/receiving messages. The Error indicator will be turned on when some errors occur on the I-7565

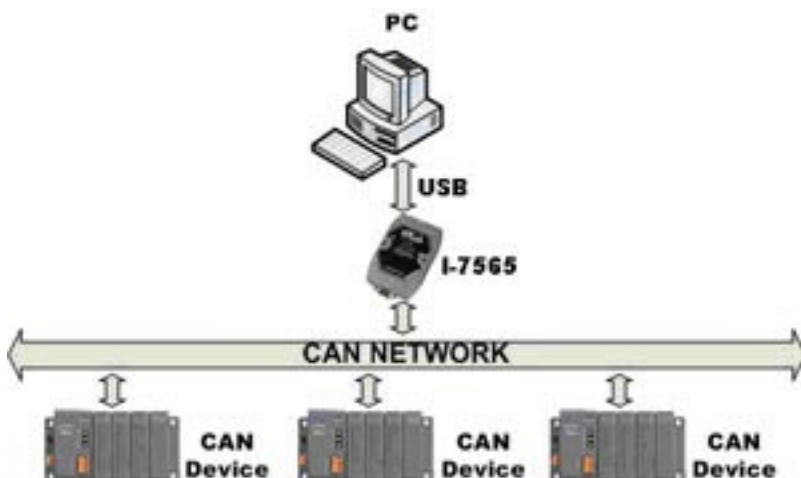


Figure 1 Uses for the I-7565 Module



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I-7565 SPECIFICATIONS

USB Specifications

Speed Full Speed (12 MHz)

CAN Specifications

Supports both CAN 2.0A and CAN 2.0B

CAN Xcvr 82C250

Speed 1 Mbps

Distance 1000 m max

Termination 120 ohm jumper selectable

Physical

Size 123mm x 72mm x 33 mm
(without mounting bracket)

Mounting DIN rail

Indicator Power and communication

Connectors
CAN DE-9
USB Type B

Isolation 3000 volts to CAN Interface

Temperature
Operating -25 °C to 75 °C
Storage -40 °C to 80 °C

Relative humidity 5 to 95% (not condensing)

Power Supplied by USB connection

Certifications

CE Certification
EMC Directive 89/336/EMC
Emission EN 55022
Noise immunity EN 50082-2C

Included Items

Single unit DIN rail
Manual on CD-ROM
USB Type A to Type B cable
Drivers for Windows 98/ME/2000/XP
DLL for Visual Basic and C++
Linux driver included

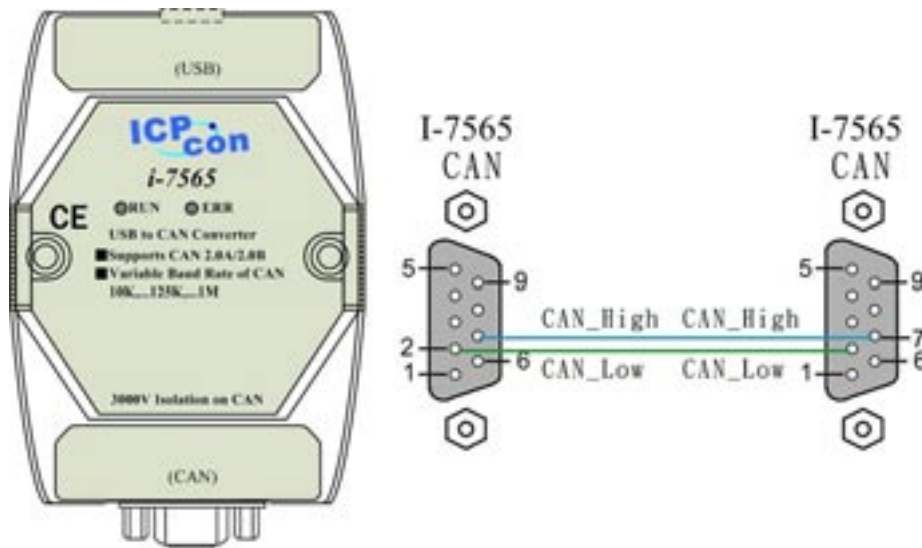


Figure 2 I-7565 Connections

ORDERING INFORMATION-ROHS VERSIONS

USB to CAN Module

Part Number

I-7565

For 230 VAC adapter, add suffix to specify country / plug style) -E(Europe), -B(UK), -A(Australia) i.e. I-7188E2-B