

CP-602E-I Series

2-port CAN interface PCI Express board with 2 KV isolation



- > CAN 2.0A and CAN 2.0B supported
- > Two independent CAN communication ports
- > CAN transfer rate up to 1 Mbps
- > 2 KV optical isolation protection
- > LED for transmit/receive status on each port
- > Optional 120 ohm terminal resistor for CAN bus network
- > DLL library and examples included
- > Windows driver provided



Overview

Moxa's new CP-602E-I CAN (Controller Area Network) interface board supports the PCI Express interface. As a stand-alone CAN controller, the CP-602E-I is a cost-effective solution that provides two active CAN controllers with a DB9 connector on the same board. The CP-602E-I CAN interface board uses the NXP SJA1000 and transceiver

PCA82C251, which provide the bus arbitration and error detection. The -40 to 85°C wide operating temperature (CP-602E-I-T only) and 2 KV isolation make the boards suitable for use in harsh industrial environments.

Specifications

Hardware

Card Interface: PCI Express

Connectors: DB9 male

Ports: 2

CAN Controller: NXP SJA1000

CAN Transceiver: PCA82C251

CAN Specification: CAN 2.0 A/B

Signal Support: CAN_H, CAN_L, GND

Transfer Rate: 1 Mbps

Max. Number of Boards per PC: 4

Optical Isolation: 2 KV

Termination Resistor: 120 ohm (selected by jumper)

Software

Operating Systems: Windows 2000, Windows XP/2003/Vista/2008 (x86 and x64), Windows 7

Libraries: Visual Basic, C/C++

Physical Characteristics

Dimensions: 120 x 80 mm (4.72 x 3.15 in)

Environmental Limits

Operating Temperature:

Standard Models: 0 to 55°C (32 to 131°F)

Wide Temp. Models: -40 to 85°C (-40 to 185°F)

Operating Humidity: 5 to 95% RH

Storage Temperature: -40 to 85°C (-40 to 185°F)

Regulatory Approvals

EMS: EN61000-3-3, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8, IEC61000-4-11, FCC Part 15 Class B

Power Requirements

Power Consumption: 780 mA @ 5 VDC

Warranty

Warranty Period: 5 years

Details: See www.moxa.com/warranty

