# **CP-602E-I Series**

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



## **:** 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  $85^\circ\text{C}$  (-40 to  $185^\circ\text{F})$ 

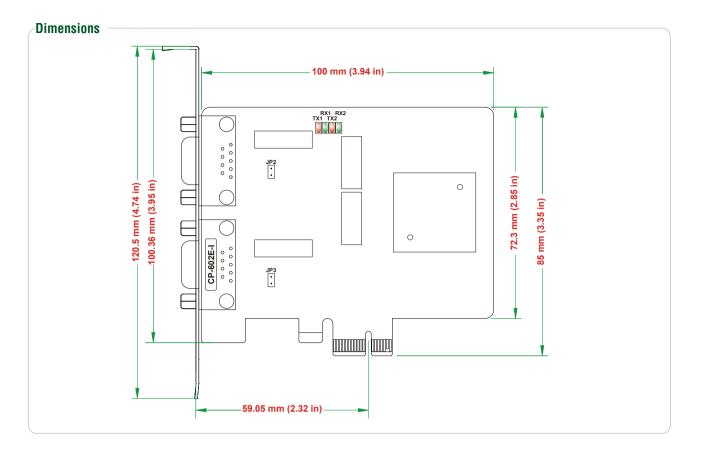
#### **Regulatory Approvals**

**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



# **:** Ordering Information

#### **Available Models**

 $\mbox{CP-602E-I:}\ 2\mbox{-port CAN}$  interface PCI Express board, with 2 KV optical isolation protection, 0 to 55°C operating temperature

**CP-602E-I-T:** 2-port CAN interface PCI Express board with 2 KV optical isolation protection, -40 to 85°C operating temperature

#### Package Checklist

- PCI Express Board with standard bracket
- Document and Software CD
- Quick Installation Guide (printed)
- Warranty Card

## : Pin Assignment



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