

# CP-602U-I Series

## 2-port CAN Interface Universal PCI boards 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 electrical isolation
- > 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-602U-I CAN (Controller Area Network) interface board supports the Universal PCI interface. As a stand-alone CAN controller, the CP-602U-I is a cost-effective solution that provides two active CAN controllers with a DB9 connector on the same board. The CP-

602U-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-602U-I-T only) and 2 kV isolation make the boards suitable for use in harsh industrial environments.

### Specifications

#### Hardware

**Card Interface:** Universal PCI  
**Connectors:** DB9 male x 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  
**Electrical Isolation:** 2 kV  
**Termination Resistor:** 120 ohm (selected by jumper)

#### Driver Support

**Operating Systems:** Windows 2000, Windows XP/2003/Vista/2008 (x86/x64)  
**Linux Real TTY Drivers:** Linux 2.6.x, 3.x  
*Note: Please refer to Moxa's website for the latest driver support information.*

#### Software

**Libraries:** Visual C/C++, Borland C/C++

#### 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)  
**Storage Temperature:** -40 to 85°C (-40 to 185°F)  
**Ambient Relative Humidity:** 5 to 95% (non-condensing)  
**Altitude:** Up to 2000 m  
*Note: Please contact Moxa if you require products guaranteed to function properly at higher altitudes.*

#### Standards and Certifications

**EMC:** CE, FCC  
**EMI:** EN 61000-3-2, EN 61000-3-3, FCC Part 15 Subpart B Class B  
**EMS:** IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11 (DIPS)  
**Green Product:** RoHS, CRoHS, WEEE

#### MTBF (mean time between failures)

**Time:** 1,989,990 hrs  
**Database:** Telcordia (Bellcore), GB

#### Power Requirements

**Power Consumption:** 365 mA @ 5 VDC

#### Warranty

**Warranty Period:** 5 years  
**Details:** See [www.moxa.com/warranty](http://www.moxa.com/warranty)

### Ordering Information

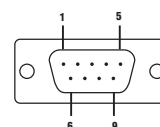
#### Available Models

**CP-602U-I:** 2-port CAN interface Universal PCI board, with 2 kV electrical isolation, 0 to 55°C operating temperature  
**CP-602U-I-T:** 2-port CAN interface Universal PCI board with 2 kV electrical isolation, -40 to 85°C operating temperature

### Pin Assignment

PIN	Signal
2	CAN L
3	CAN GND
5	Shield
7	CAN H

#### DB9 male



#### Package Checklist

- 1 Universal PCI board with standard bracket
- Documentation and software CD
- Quick installation guide (printed)
- Warranty card

### Dimensions

