

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



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Multiport Serial Boards > CP-602U-I Series

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

- 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)
 - Card Interface:** Universal PCI
- #### Driver Support
- Windows:** Windows 2000, Windows XP/2003/Vista/2008 (x86/x64)
- #### 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)

Standards and Certifications

- EMC:** EN 55022/24
- EMI:** CISPR 22, FCC Part 15B Class B
- EMS:**
 - IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV
 - IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m
 - IEC 61000-4-4 EFT: Power: 1 kV; Signal: 0.5 kV
 - IEC 61000-4-5 Surge: Power: 2 kV
 - IEC 61000-4-6 CS: 150 kHz to 80 MHz: 3 V/m; Signal: 3 V/m
 - IEC 61000-4-8 PFMF
 - IEC 61000-4-11
- MTBF (mean time between failures):** 1,989,990 hrs
- Time:** 1,989,990 hrs
- Standard:** Telcordia (Bellcore) SR-332
- Power Requirements**
 - Input Current:** 365 mA @ 5 VDC
- Warranty**
 - Warranty Period:** 5 years
 - Details:** See www.moxa.com/warranty

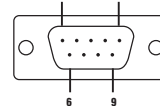
Ordering Information

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
- Connection Options (can be purchased separately)**
 - CBL-F9M9-150:** DB9-F to DB9-M serial cable, 150 cm
 - CBL-F9M9-20:** DB9-F to DB9-M serial cable, 20 cm

Pin Assignment

PIN	Signal	DB9 male
2	CAN L	1
3	CAN GND	2
5	Shield	5
7	CAN H	6



Package Checklist

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

Dimensions

