CB-602I Series

2-port CAN interface PC/104-Plus modules 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 drivers provided





: Overview

Moxa's new CB-602I CAN (Controller Area Network) interface board supports the PC/104-Plus interface. Optional DB9 and DB25 connection cables are available for connecting to CAN interface device. The CB-602I 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 (CB-602I-T only) and 2 KV isolation make the boards suitable for use in harsh industrial environments.

: Specifications

Hardware

Module Interface: PC/104-Plus bus **Connector:** 20-pin box header

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)

Driver Support

Operating Systems: Windows 2000. Windows XP/2003/Vista/2008/7

x86/x64

Note: Please refer to Moxa's website for the latest driver support information.

Software

Operating Systems: Windows 2000, Windows XP/2003/Vista/2008/7

(x86 and x64)

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

Dimensions: 90 x 96 mm (3.55 x 3.78 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)
Storage Temperature: -40 to 85°C (-40 to 185°F)
Ambient Relative Humidity: 5 to 95% (non-condensing)

Standards and Certifications

EMC: CE, FCC

EMI: 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: 248,563 hrs

Database: Telcordia (Bellcore), GB **Power Requirements**

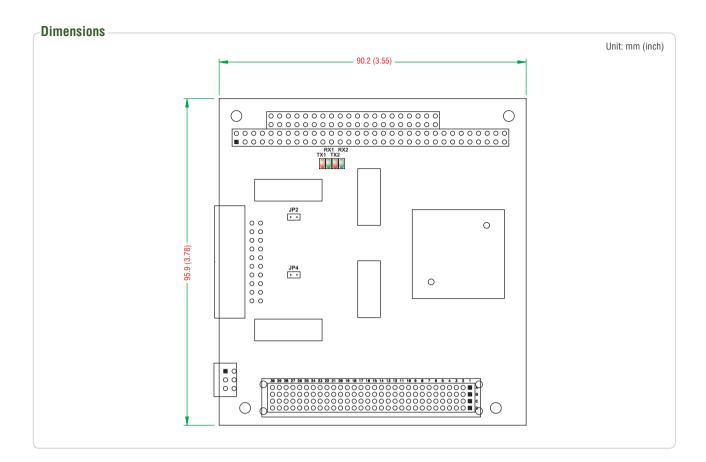
Power Consumption: 380 mA @ 5 VDC

Warranty

Warranty Period: 5 years

Details: See www.moxa.com/warranty

MOXA®



: Ordering Information

Available Models

CB-602I: 2-port CAN interface PC/104-Plus module with 2 KV optical isolation protection, 0 to 55°C operating temperature

CB-6021-T: 2-port CAN interface PC/104-Plus module with 2 KV optical isolation protection, -40 to 85°C operating temperature

Package Checklist

- 1 PC/104-Plus Module
- Documentation and software CD
- Quick installation guide (printed)
- · Warranty card

Connection Options (can be ordered separately)

CBL-F20M9x2-50

20-pin box header to DB9 male x 2 connection cable, 50 cm



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



CBL-F20M25x2-50

20-pin box header to DB25 male x 2 connection cable, 50 cm



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

