

CB-602I Series

2-port CAN interface PC/104-Plus module 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 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
Connectors: 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)

Software

Operating Systems: Windows 2000, Windows XP/2003/Vista/2008 (x86 and x64), Windows 7
Libraries: Visual Basic, C/C++

Physical Characteristics

Dimensions: 90 x 96 mm (3.54 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)
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

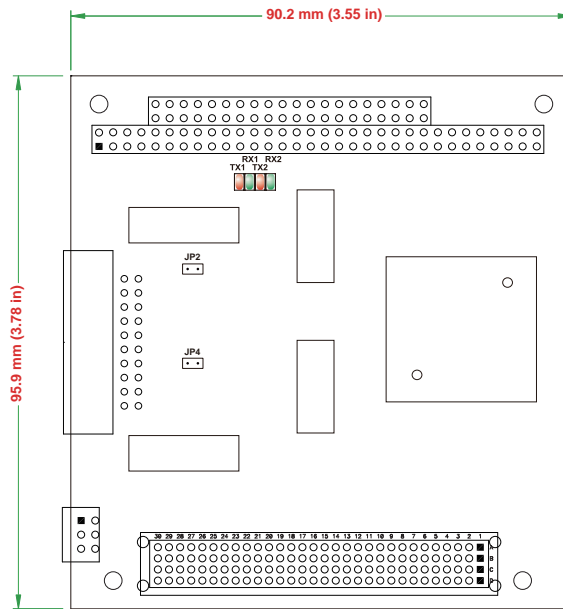
Power Requirements

Power Consumption: 380 mA @ 5 VDC

Warranty

Warranty Period: 5 years
Details: See www.moxa.com/warranty

Dimensions



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-602I-T: 2-port CAN interface PC/104-Plus module with 2 KV optical isolation protection, -40 to 85°C operating temperature

Package Checklist

- PC/104-Plus Module
- Document and Software CD
- Quick Installation Guide (printed)
- Warranty Card

Connection Options (can be purchased separately)

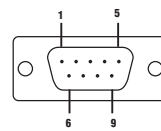
CBL-F20M9x2-50

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

DB9 male



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

DB25 male

