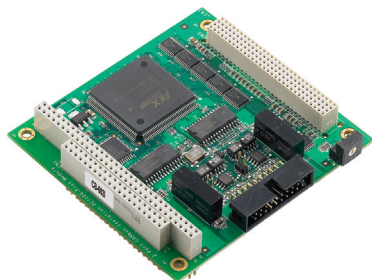


CB-602I Series

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 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 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

Connector: 20-pin box header

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 ohms (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 61000-3-3, 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

Ordering Information

Available Models

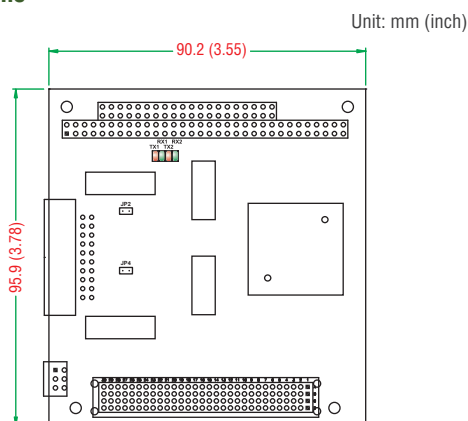
CB-602I: 2-port CAN interface PC/104-Plus module with 2 kV electrical isolation, 0 to 55°C operating temperature

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

Package Checklist

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

Dimensions



Connection Options (can be ordered separately)

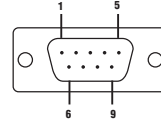
CBL-F20M9x2-50

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

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

