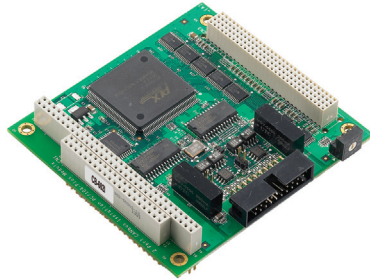


CB-602I Series

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

Windows: Windows 2000, Windows XP/2003/Vista/2008 (x86/x64)
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)

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
 IEC 61000-4-5 Surge: Power: 2 kV; Signal: 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)

Time: 248,563 hrs
Standard: Telcordia (Bellcore) TR/SR

Power Requirements

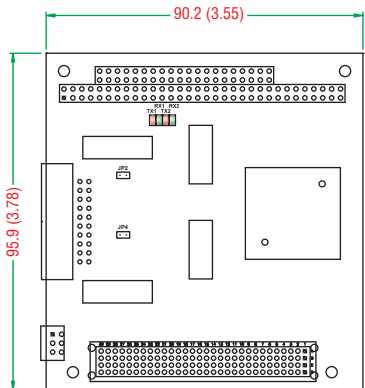
Input Current: 380 mA @ 5 VDC

Warranty

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

Dimensions

Unit: mm (inch)



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

Connection Options (can be purchased separately)

CBL-F20M25x2-50: F20 to 2 x DB25-M cable, 50 cm

Package Checklist

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

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

