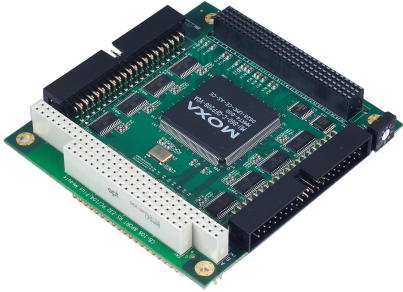


CB-108 Series

8-port RS-232 PC/104-Plus modules



Features and Benefits

- 921.6 kbps maximum baudrate for fast data transmission
- On-chip hardware and software flow control
- Onboard Tx and Rx LED indicators for each port
- Supports Windows, Windows CE 5.0/6.0, and Windows XP Embedded operating systems
- Wide-temperature model available for -40 to 85°C environments
- Easy maintenance with built-in LEDs and management software

Certifications



Introduction

The CB-108 PC/104-Plus modules come with 8 RS-232 ports, and can be used with PC/104-Plus CPU boards that accept the PC/104-Plus expansion interface. Optional DB9 and DB25 connection cables are available for connecting to serial devices, and versatile driver support makes the modules suitable for a wide range of applications. The CB-108 modules can be used on the PC/104-Plus (PCI) bus, and provide a reliable, high-performance solution for multiport serial communication.

Specifications

Serial Interface

Comm. Controller	16C550C or compatible x 4
Bus	PC/104 plus bus
Connector	40-pin box header
DIP Switches	Serial interface
IRQ	Assigned by BIOS
I/O Address	Assigned by BIOS
FIFO	128 bytes
Max. No. of Boards per PC	8
No. of Ports	8
Serial Standards	RS-232
Baudrate	50 bps to 921.6 kbps
Data Bits	5, 6, 7, 8
Stop Bits	1, 1.5, 2
Parity	None, Even, Odd, Space, Mark
Flow Control	None, RTS/CTS, XON/XOFF

Serial Signals	
RS-232	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND
Power Parameters	
Input Current	153 mA @ 5 VDC
Input Voltage	5 VDC
Physical Characteristics	
Dimensions	90 x 96 mm (3.54 x 3.78 in)
LED Interface	
LED Indicators	Built-in Tx, Rx LEDs for each port
Environmental Limits	
Operating Temperature	CB-108: 0 to 55°C (32 to 131°F) CB-108-T: -40 to 85°C (-40 to 185°F)
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)
Standards and Certifications	
EMC	EN 55032/24
EMI	CISPR 32, FCC Part 15B Class A
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: 2 kV; Signal: 1 kV IEC 61000-4-5 Surge: Power: 0.5 kV IEC 61000-4-6 CS: 150 kHz to 80 MHz: 3 V/m; Signal: 3 V/m IEC 61000-4-8 PFMF
Environmental Testing	IEC 60068-2-1 IEC 60068-2-2 IEC 60068-2-3 IEC 60068-2-14
Safety	EN 60950-1, UL 60950-1
Vibration	IEC 60068-2-6
MTBF	
Time	403,631 hrs
Standards	Telcordia (Bellcore), GB
Warranty	
Warranty Period	5 years
Details	See www.moxa.com/warranty
Package Contents	
Device	1 x CB-108 Series PC/104-Plus module
Documentation	1 x document and software CD 1 x quick installation guide 1 x warranty card

Ordering Information

Model Name	Serial Bus	Serial Standards	No. of Serial Ports	Operating Temp.
CB-108	PC/104-Plus	RS-232	8	0 to 55°C
CB-108-T	PC/104-Plus	RS-232	8	-40 to 85°C

Accessories (sold separately)

Cables

CBL-F40M25x4-50	F40 to 4 x DB25 male cable, 50 cm
CBL-F40M9x4-50	F40 to 4 x DB9 male cable, 50 cm

© Moxa Inc. All rights reserved. Updated Nov 12, 2018.

This document and any portion thereof may not be reproduced or used in any manner whatsoever without the express written permission of Moxa Inc. Product specifications subject to change without notice. Visit our website for the most up-to-date product information.