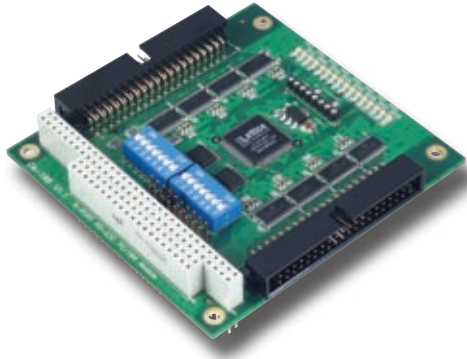


CA-108

8-port RS-232 PC/104 Module



Features

- Data transmission speed up to 921.6 Kbps
- On-chip H/W and S/W flow control
- Built-in 15 KV ESD protection
- IRQ and I/O settings are jumper and DIP switch selectable
- Onboard Tx, Rx LED indicators for each port
- Windows CE 5.0 and XP embedded operating systems supported
- Wide temperature model suitable for -40 to 85°C environments



: Overview

The CA-108 is an 8-port RS-232 PC/104 module that meets the embedded PC standard. The module can be used with PC/104 CPU boards that accept the PC/104 expansion interface, and optional DB9 and DB25 connection cables are available for connecting to many

different devices. The CA-108's versatile driver support makes the module suitable for a wide range of applications. All products in the series provide a reliable, high performance solution for multiport serial communications.

: Specifications

Hardware

I/O controller: 16C550C or compatible x 8
Connector type: 40-pin box header

Interface

Bus: PC/104 bus (Ver. 2.4)
No. of ports: 8
Max. No. of ports: 32 (4 boards)

Signals

RS-232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND

Performance

Baudrate: 50 bps to 921.6 Kbps

Configuration

Parity: None, Even, Odd, Space, Mark
Data Bits: 5, 6, 7, 8
Stop Bit(s): 1, 1.5, 2

IRQ: Shared IRQ for all ports

(includes IRQ 3, 4, 5, 6, 7, 9, 10, 11, 12, 15)

FIFO: 64 bytes

DIP Switches: For IO-Base address, interrupt vector

OS Driver Support: DOS, Windows 2000/XP/2003, Windows XP Embedded, Windows CE 5.0, Linux 2.4, Linux 2.6

Power and Environment

Operating Temperature: 0 to 55°C (32 to 131°F),
 -40 to 85°C (-40 to 185°F) for "-T" models

Operating Humidity: 5 to 95% RH

Storage Temperature: -40 to 85°C (-40 to 185°F)

ESD Protection: Embedded 15 KV ESD Protection

Dimensions (W x D): 96 x 90 mm

Regulatory Approvals

EN55022 Class A, EN55024, EN6100-3-2, EN61000-3-3, FCC Part 15 Class A

Warranty: 5 years

: Ordering Information

CA-108: PC/104 bus, 8-port RS-232 module

CA-108-T: PC/104 bus, 8-port RS-232 module, -40 to 85°C operating temperature

Optional Accessories (choose one per board)

CBL-F40M9x4-50: 40-pin box header to 4-port male DB9 connection cable

CBL-F40M25x4-50: 40-pin box header to 4-port male DB25 connection cable

Package Checklist

- Document and Software CD-ROM
- Quick Installation Guide