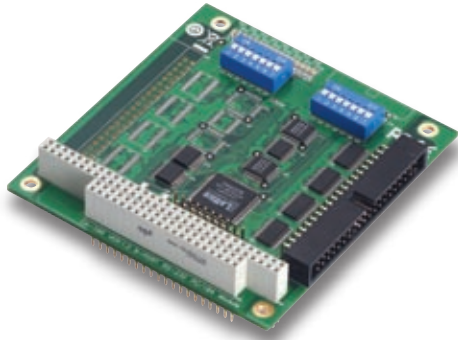


# CA-104

## 4-port RS-232 PC/104 Module



### Features

- > Data transmission speed up to 921.6 Kbps
- > On-chip hardware flow control
- > Built-in 15 KV ESD Surge Protection
- > Jumper and DIP Switch selectable IRQ, I/O settings
- > Onboard Tx, Rx LED indicators for each port
- > Windows CE and XP Embedded operating systems supported



### : Overview

The CA-104 is a 4-port RS-232 PC/104 multiport serial board that meets the embedded PC standard. The module works with PC/104 CPU boards that accept the PC/104 expansion interface, and comes with 4 RJ45 ports and optional DB9 or DB25 connection cables to satisfy flexible connection requirements. The CA-104's versatile

driver support fulfills the needs of users' varied applications. This module is available for use on either a PCI or ISA bus, with both types offering a reliable and high performance solution for serial multiport communications.

### : Specifications

#### Hardware

**I/O controller:** 16C550C or compatible x 4  
**Connector type:** 40-pin Box Header

#### Interface

**Bus:** PC/104 ISA bus (Ver. 2.4)  
**No. of ports:** 4  
**Max. No. of ports:** 16 (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

**Power Consumption:** 245 mA (+5V)

**Operating Temperature:** 0 to 55°C (32 to 131°F)

**Operating Humidity:** 5 to 95% RH

**Storage Temperature:** -20 to 85°C (-4 to 185°F)

**ESD Protection:** Embedded 15 KV ESD Protection

**Dimensions (W x D):** 96 x 90 mm (W x D)

#### Regulatory Approvals

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

**Warranty:** 5 years

### : Ordering Information

**CA-104:** PC/104 bus, 4-port RS-232 Module

#### 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 & Software CD-ROM
- Quick Installation Guide