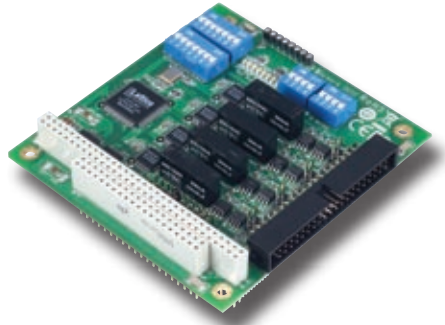


# CA-134I

## 4-port RS-422/485 PC/104 Module with Optical Isolation Protection



### 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, I/O settings, and serial interface 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-134I is a 4-port RS-422/485 PC/104 module with 2 KV optical isolation protection 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-134I'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 4

**Connector type:** 40-pin box header

#### Interface

**Bus:** PC/104 bus (Ver. 2.4)

**No. of ports:** 4

**Max. No. of ports:** 16 (4 boards)

#### Signals

**RS-422:** TxD+(B), TxD-(A), RxD+(B), RxD-(A), GND

**4-wire RS-485:** TxD+(B), TxD-(A), RxD+(B), RxD-(A), GND

**2-wire RS-485:** Data+(B), Data-(A), 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, serial interface

**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-134I:** PC/104 bus, 4-port RS-422/485 module, 2 KV isolation protection

**CA-134I-T:** PC/104 bus, 4-port RS-422/485 module, 2 KV isolation protection, -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