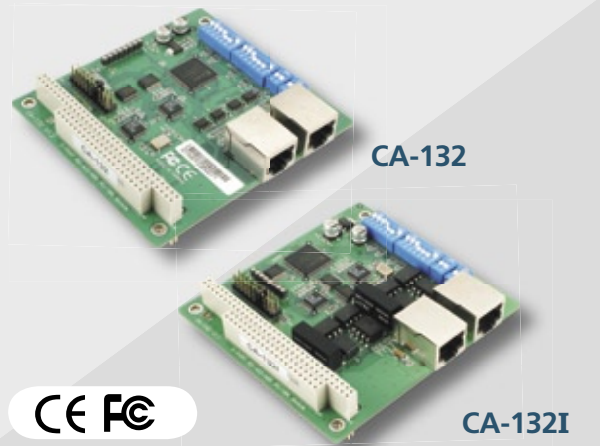


CA-132/132I

PC/104 Isolated, 2-Port RS-422/485 Multiport Serial Board

Features

- 2 RS-422/485 serial interface ports
- On-chip hardware flow control
- Built-in 16 KV ESD Surge Protection
- Jumper and DIP Switch selectable IRQ, I/O settings
- Onboard Tx, Rx LED indicators for each port
- Supports RS-485 ADDC™ (Automatic Data Direction Control) intelligence
- Built-in termination resistors enabled by DIP switch
- Works perfectly with all major Operating Systems



Overview

CA-132/132I is a 2-port RS-422/485 PC/104 multiport serial board that meets the embedded PC standard. It works with PC/104 CPU boards that accept the PC/104 expansion interface,

and comes with 2 RJ45 ports, and optional DB9 or DB25 connection cables to provide flexible connection requirements.

Supported OS Drivers

MOXA's COM port driver not only supports all major operating systems, but also the dedicated operating systems shown here for customers' special needs.

Windows 95/98/ME/NT/XP/2000/2003
Linux
DOS



Specifications

Hardware

I/O controller: 16C550C or compatible x 2

Connector type: 8-pin RJ45

Interface

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

No. of ports: 2

RS-422 Signals: Tx+, Tx-, Rx+, Rx-, GND

RS-485 (4-wire) Signals: Tx+, Tx-, Rx+, Rx-, GND

RS-485 (2-wire) Signals: Data+, Data-, GND

LED Indicators: Built-in Tx, Rx indicators for each port

Performance

Speed: 50 bps to 230.4 Kbps

Max. No. of ports: 8 (4 boards)

Configuration

Parity: None, even, odd, space, mark

Data bits: 5, 6, 7, 8

Stop bits: 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

Operating Systems:

DOS, Windows 95/98/ME/NT/XP/2000/2003, Linux 2.4/2.6

Power and Environment

Operating Temperature: 0 to 55°C

Operating Humidity: 5 to 95% RH

Storage Temperature: -20 to 85°C

Surge Protection: 16 KV ESD protection on line driver

Optical Isolation: 2 KV Isolation (CA-132I)

Dimensions: 96 x 90 mm (W x D)

Regulatory Approvals: CE Class B, FCC Class B

Power Consumption:

CA-132: 210 mA (+5V)

CA-132I: 455 mA (+5V)

Connection Options



CBL-RJ45M9-150
8-pin RJ45 to male DB9,
150 cm Cable



CBL-RJ45F9-150
8-pin RJ45 to female
DB9, 150 cm Cable



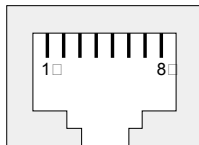
CBL-RJ45M25-150
8-pin RJ45 to male
DB25, 150 cm Cable



CBL-RJ45F25-150
8-pin RJ45 to female
DB25, 150 cm Cable

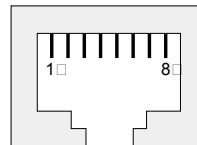
Pin Assignment

RS-422/ 4-wire RS-485 Pin Assignment (RJ45)



| PIN | Signals |
|-----|---------|
| 1 | --- |
| 2 | --- |
| 3 | TxD+ |
| 4 | TxD- |
| 5 | RxD- |
| 6 | RxD+ |
| 7 | GND |
| 8 | --- |

2-wire RS-485 Pin Assignment (RJ45)



| PIN | Signals |
|-----|---------|
| 1 | --- |
| 2 | --- |
| 3 | -- |
| 4 | --- |
| 5 | Data- |
| 6 | Data+ |
| 7 | GND |
| 8 | --- |

Ordering Information

CA-132: PC/104 bus, 2-port RS-422/485 Board

CA-132I: PC/104 bus, 2-port RS-422/485 Board with optical isolation

All items include:

- MOXA Software CD-ROM
- User's Manual

Optional Connectors

CBL-RJ45M9-150: 8-pin RJ45 to male DB9, 150 cm Cable

CBL-RJ45F9-150: 8-pin RJ45 to female DB9, 150 cm Cable

CBL-RJ45M25-150: 8-pin RJ45 to male DB25, 150 cm Cable

CBL-RJ45F25-150: 8-pin RJ45 to female DB25, 150 cm Cable