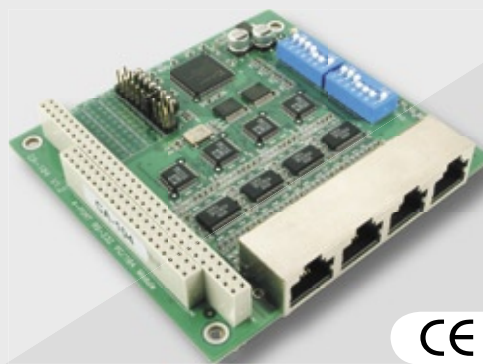# CA-104

PC/104, 4-Port RS-232 Multiport Serial Board

Features

- **4 RS-232 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**
- **Works perfectly with all major Operating Systems**

CE FC

Overview

CA-104 is a 4-port RS-232 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 4 RJ45 ports and optional DB9 or DB25 connection cables to provide flexible connection requirements. CA-104's versatile driver support fulfills the needs of our customers' varied applications. This product 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.

Supported OS Drivers

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

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

Designed for Microsoft® Windows®2000 Professional Windows® NT Workstation 4.0

Specifications

Hardware
I/O controller: 16C550C or compatible x 4
Connector type: 8-pin RJ45

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

Performance
Speed: 50 bps to 230.4 Kbps
Max. No. of ports: 16 (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 System: DOS, Windows 95/98/ME/NT/2000/XP/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
Dimensions (W x D): 96 x 90 mm (W x D)
Regulatory Approvals: CE Class B, FCC Class B
Power Consumption (+5V): 245 mA

◤ Connection Options

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

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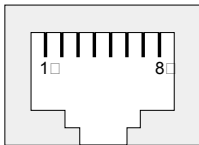8-pin RJ45 to female
DB9, 150 cm Cable

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

PIN	Signals
1	DSR
2	RTS
3	GND
4	TxD
5	RxD
6	DCD
7	CTS
8	DTR

CA-104

◤ Ordering Information

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

All items include:

• MOXA Documentation & 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