

CP-104EL

4-port RS-232 PCI Express Smart Serial Board



Features

- > PCI Express x1 compliant
- > Serial communication speed up to 921.6 Kbps
- > 128-byte FIFO and on-chip H/W, S/W flow control
- > Low profile board for compact-sized PCs
- > Drivers provided for Windows Vista/2003/XP/2000, Linux, UNIX
- > Easy maintenance with on-board LED display and management software
- > On-board 15 KV ESD protection



: Overview

The CP-104EL is a Smart PCI Express Multiport Serial Board designed for POS and ATM applications, and for use by industrial automation system manufacturers and system integrators. The board is compatible with all popular operating systems, and each of its 4 RS-

232 serial ports supports data rates up to 921.6 Kbps, and provides full modem control signals, ensuring compatibility with a wide range of serial peripherals. In addition, the CP-104EL works with PCI Express x1, allowing the board to be installed in any PCI Express slot.

: Designed for Standard and Compact-sized Computers

The CP-104EL is a low profile board compatible with any PCI Express slot. The board requires only a 3.3 VDC power supply, which means

that the CP-104EL fits any host computer, ranging from shoebox to standard industrial sized PCs.

: Top Performance with 128-byte FIFO and on-chip H/W, S/W Flow Control

Our 20-plus years of experience in serial board design is now concentrated in MOXA's new top performance serial data transmission chip, called Turbo Serial Engine™, which equips the CP-104EL series

board with a 128-byte FIFO, on-chip hardware and software flow control, and burst data mode. This makes the CP-104EL the top performing smart multiport serial board in the world.

: Support for Major Windows and Linux/Unix OS drivers

MOXA continues to support today's mainstream operating systems, and the CP-104EL is no exception. Reliable Windows COM and Linux/Unix TTY drivers are available for use with the CP-104EL, and other

operating systems, such as WEPOS, are also supported for embedded integration.

: Ordering Information

CP-104EL-DB9: 4-port RS-232 PCI Express x1 Serial Board with Male DB9 cable

CP-104EL-DB25: 4-port RS-232 PCI Express x1 Serial Board with Male DB25 cable

Package Checklist

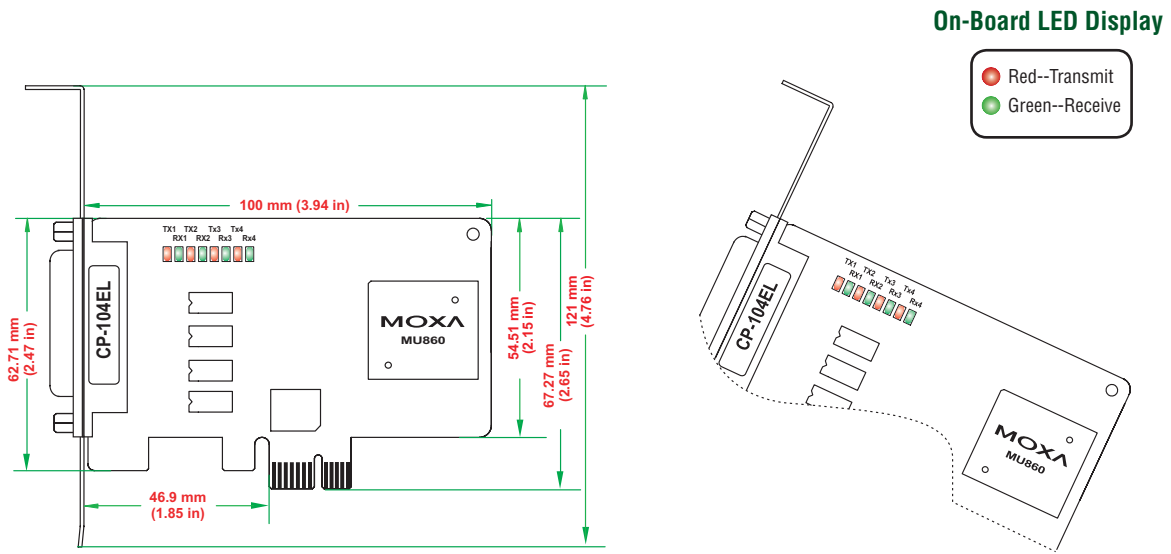
- CP-104EL board with standard bracket, and Low Profile bracket
- Document & Software CD-ROM
- Quick Installation Guide

Optional Accessories (choose one per board)

CBL-M44M9x4-50: 4-port male DB9 Connection cable

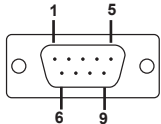
CBL-M44M25x4-50: 4-port male DB25 Connection cable

Dimensions (unit = mm)



Connection Options

Male DB9



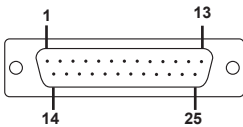
PIN	RS-232	PIN	RS-232
1	DCD	5	GND
2	RxD	6	DSR
3	TxD	7	RTS
4	DTR	8	CTS

CBL-M44M9x4-50

DB44 to male DB9 x 4, 50 cm cable



Male DB25



PIN	RS-232	PIN	RS-232
2	TXD	6	DSR
3	RxD	7	GND
4	RTS	8	DCD
5	CTS	20	DTR

CBL-M44M25x4-50

DB44 to male DB25 x 4, 50 cm cable



Specifications

Hardware

Connectors: Female DB44
Comm. Controller: MU860 (16C550C compatible)

Interface

Bus Interface: PCI Express x1
Number of Ports: 4 (only one IRQ required)
Max. No. of Boards: 4

Signals

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

Performance

Baudrate: 50 bps to 921.6 Kbps

Configuration

Data Bits: 5, 6, 7, 8

Stop Bit(s): 1, 1.5, 2

I/O address/IRQ: BIOS assigned

Parity: None, Even, Odd, Space, Mark

Flow Control: RTS/CTS, XON/XOFF

Power and Environment

Power Requirement: 430 mA (3.3V)

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 Surge Protection

Regulatory Approvals

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

Warranty: 5 years