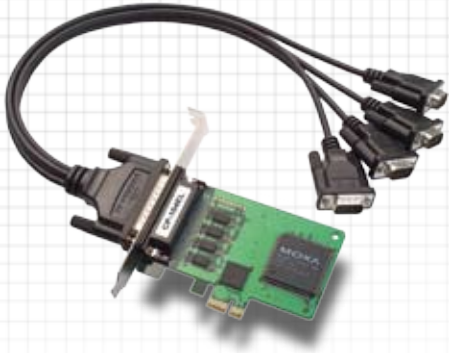


CP-104EL

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
- Windows 2003/XP/2000, Linux, UNIX driver support
- Easy maintenance with on-board LED display and management software
- On-board 15 KV ESD protection



Overview

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. CP-104EL 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, 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

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

means that 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 18-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 CP-104EL series 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 CP-104EL provides field proof. Reliable Windows COM and Linux/Unix TTY drivers are available for

use with 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

All items include

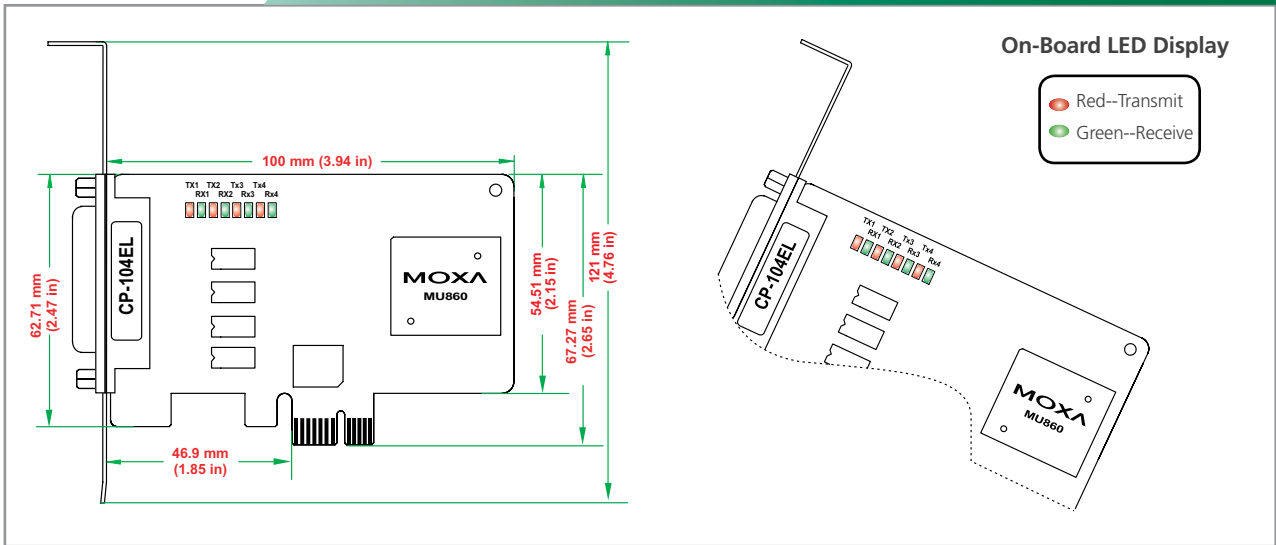
- CP-104EL board with standard bracket, and Low Profile bracket
- Document & Software CD-ROM
- Quick Installation Guide

Optional Accessories (choose one per board)

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

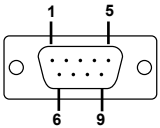
CBL-M44M25x4-50: 4-port male DB25 Connection cable

Dimensions



Connection Options

Male DB9



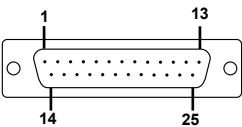
PIN	RS-232	PIN	RS-232
1	DCD	5	GND
2	RxD	6	DSR
3	TxD	7	RTS
4	DTR	8	CTS

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

Max. No. of Boards: 4 (only one IRQ required)

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 Bits: 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)

Surge 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