# **CP-102EL**

# -2-port RS-232 smart PCI Express board



# **Overview**

The CP-102EL is a smart, 2-port PCI Express board designed for POS and ATM applications. Moxa's PCI Express boards are a top choice of industrial automation engineers and system integrators, particularly since they support many different operating systems, including Windows and Linux. The CP-102EL's 2 RS-232 serial ports support a super fast 921.6 Kbps baudrate, and provide full modem control signals to ensure compatibility with a wide range of serial peripherals. In addition, the board's x1 classification allows it to be installed in any PCI Express slot.

# **Smaller Form Factor**

The CP-102EL is a low profile board that is compatible with any PCI Express slot. The CP-102EL board only requires a 3.3 VDC power

## Drivers Provided for Windows and Linux

Moxa continues to support a wide variety of operating systems, and the CP-102EL board is no exception. Reliable Windows COM and Linux TTY drivers are provided for all Moxa boards, and other supply, which means that the board fits any host computer, ranging from shoebox to standard-sized PCs.

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

# **Specifications**

#### Hardware

Comm. Controller: 16C550C compatible Bus: PCI Express x1 Connectors: CP-102EL: DB25 female

## Serial Interface

Number of Ports: 2 Serial Standards: RS-232 Number of Boards: 4 per PC (max.)

## **Serial Line Protection**

ESD Protection: 15 KV on the board

## Driver support

**Operating Systems:** Windows (2000, XP/2003/Vista/2008 x86 & x64), Linux 2.4/2.6

#### Performance

Baudrate: 50 bps to 921.6 Kbps Serial Communication Parameters Data Bits: 5, 6, 7, 8

Stop Bits: 1, 1.5, 2 Parity: None, Even, Odd, Space, Mark Flow Control: RTS/CTS, XON/XOFF I/O Address: Assigned by BIOS IRQ: Assigned by BIOS

#### Serial Signals

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

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#### **Environmental Limits**

Operating Temperature: 0 to 55°C (32 to 131°F)

Operating Humidity: 5 to 95% RH

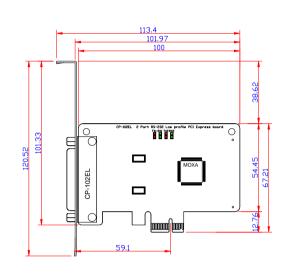
Storage Temperature: -20 to 85°C (-4 to 185°F)

**Regulatory Approvals:** EN55022, EN55024, EN61000-3-2, EN61000-3-3, EN61000-6-2, IEC-61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, FCC Part 15 Class B

## Dimensions (unit: mm)

## Warranty

Warranty Period: 5 years Details: See www.moxa.com/warranty



# **:** Ordering Information

#### **Available Models**

CP-102EL: 2-port RS-232 PCI Express x1 low profile serial board

## Package Checklist

- CP-102EL board
- Low profile bracket
- Document and Software CD
- Quick Installation Guide (printed)
- Warranty Card

#### **Connection Options** (can be purchased separately)

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CBL-M25M9x2-50					
DB25 male to DB9 male x 2					
(50 cm cable)					



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





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