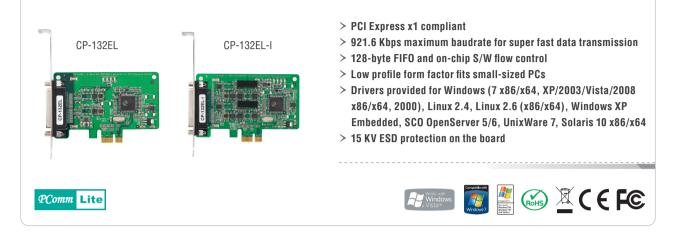
CP-132EL/EL-I

-2-port RS-422/485 PCI Express boards with optional 2 KV isolation



Overview

The CP-132EL and CP-132EL-I are 2-port PCI Express boards designed for industrial automation applications that require a long distance, multi-point, PC-based data acquisition solution.

RS-485 multidrop for up to 31 devices within 1.2 km

The CP-132EL/EL-I boards have 2 RS-422/485 serial ports, each of which can achieve data rates up to 921.6 Kbps. In RS-485 mode, the

Drivers Provided for Windows and Linux

Moxa continues to support a wide variety of operating systems, and the CP-132EL/EL-I boards are no exception. Reliable Windows COM and Linux TTY drivers are provided for all Moxa boards, and other

boards can connect up to 31 daisy-chained RS-485 devices within a range of 1.2 km. For long distance RS-485 communication, choose the CP-132EL-I model, which comes with 2 KV optical isolation protection to prevent equipment damage.

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

: Specifications

Hardware

Comm. Controller: 16C550C compatible Bus: PCI Express x1 Connector: DB25 female

Serial Interface

Number of Ports: 2 Serial Standards: RS-422/485 Max. No. of Boards per PC: 4

Serial Line Protection ESD Protection: 15 KV on the board

Optical Isolation: 2 KV (CP-132EL-I only) 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: XON/XOFF

Serial Signals

RS-422: TxD+(B), TxD-(A), RxD+(B), RxD-(A), GND **RS-485-4w:** TxD+(B), TxD-(A), RxD+(B), RxD-(A), GND **RS-485-2w:** Data+(B), Data-(A), GND

Driver Support

Operating Systems: Windows 2000, Windows XP/2003/Vista/2008/7 x86/x64, Linux 2.4, Linux 2.6 x86/x64, QNX 6, Windows XP Embedded, SCO OpenServer 5/6, UnixWare 7, Solaris 10 x86/x64 Note: Please refer to Moxa's website for the latest driver support information.

Physical Characteristics Dimensions:

CP-132EL: 67.21 x 101.97 mm (2.65 x 4.08 in) CP-132EL-1: 67.21 x 103.97 mm (2.65 x 4.16 in)

Environmental Limits

Operating Temperature: 0 to 55°C (32 to 131°F) Storage Temperature: -20 to 85°C (-4 to 185°F) Ambient Relative Humidity: 5 to 95% (non-condensing)

Standards and Certifications EMC: CE. FCC

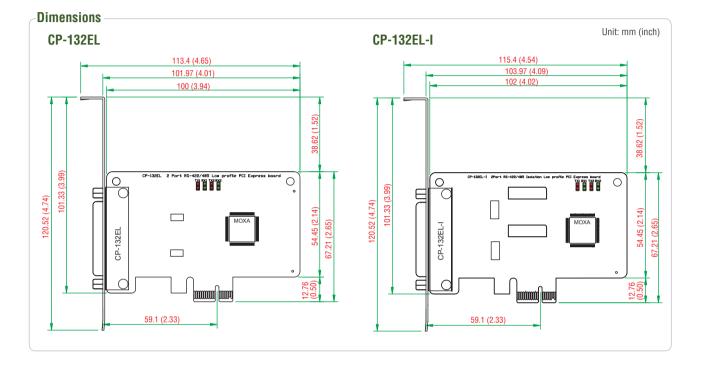
EMI: EN 55022, EN 61000-3-2, EN 61000-3-3, FCC Part 15 Subpart B Class B EMS: EN 55024, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11 (DIPS) Green Product: RoHS, CRoHS, WEEE MTBF (mean time between failures) Time: 1,530,088 hrs Database: Telcordia (Bellcore), GB

Power Requirements

Power Consumption: CP-132EL: 548 mA @ 3.3 V CP-132EL-I: 636 mA @ 3.3 V

Warranty

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



Crdering Information

Available Models

CP-132EL-DB9M: 2-port RS-422/485 low profile PCI Express x1 serial board (includes DB9 male cable) **CP-132EL-I-DB9M:** 2-port RS-422/485 low profile PCI Express x1 serial board with optical isolation (includes DB9 male cable)

Package Checklist

- 1 CP-132EL or CP-132EL-I board
- Low profile bracket
- Documentation and software CD
- Quick installation guide (printed)
- Warranty card

Connection Options (can be purchased separately)

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



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PIN	RS-422/RS-485-4w	RS-485-2w
1	TxD–(A)	-
2	TxD+(B)	-
3	RxD+(B)	Data+(B)
4	RxD–(A)	Data–(A)
5	GND	GND
6	-	-
7	-	-
8	-	-



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