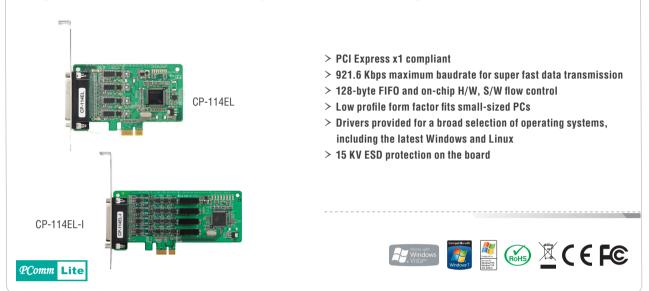
CP-114EL/EL-I

-4-port RS-232/422/485 PCI Express boards with optional 2 KV isolation



: Overview

The CP-114EL and CP-114EL-I are smart, 4-port PCI Express boards designed for POS and ATM applications. The boards are a top choice of industrial automation engineers and system integrators, and support many different operating systems, including Windows and Linux. In

Smaller Form Factor

The CP-114EL and CP-114EL-I are low profile boards that are compatible with any PCI Express slot. The boards require only a 3.3

Drivers Provided for Windows, Linux

Moxa continues to support a wide variety of operating systems, and the CP-114EL/EL-I boards are no exception. Reliable Windows COM

: Specifications

Hardware

Comm. Controller: 16C550C compatible Bus: PCI Express x1 Connector: DB44 female

Serial Interface

Number of Ports: 4 Serial Standards: RS-232/422/485 Max. No. of Boards per PC: 4

Serial Line Protection

ESD Protection: 15 KV on the board Optical Isolation: 2 KV (CP-114EL-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: RTS/CTS, XON/XOFF

addition, each of the boards' 4 RS-232/422/485 serial ports supports a super fast 921.6 Kbps baudrate. The CP-114EL and CP-114EL-I provide full modem control signals to ensure compatibility with a wide range of serial peripherals, and their PCI Express "x1" classification allows the boards to be installed in any PCI Express slot.

VDC power supply, which means that the boards fit any host computer, ranging from shoebox to standard-sized PCs.

and Linux TTY drivers are provided for all Moxa boards, and other operating systems, such as WEPOS, are also supported for embedded integration.

Serial Signals

RS-232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND **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 (2012 x64, 8/7/XP/2003/Vista/2008 x86/x64, 2000, 9X/ME/NT), DOS, Linux 2.4.x, Linux 2.6.x, QNX 6, 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-114EL: 67.21 x 103 mm (2.69 x 4.06 in) CP-114EL-I: 67.21 x 135 mm (2.69 x 5.31 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) Altitude: Up to 2000 m

Note: Please contact Moxa if you require products guaranteed to function properly at higher altitudes.

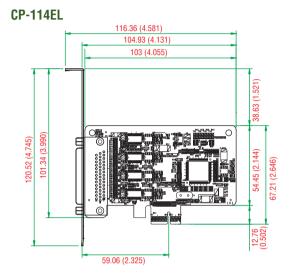
Standards and Certifications

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

Dimensions

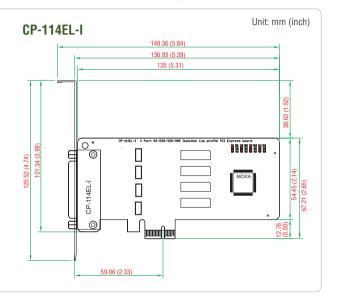


MTBF (mean time between failures) Time: 684,289 hrs Database: Telcordia (Bellcore), GB Power Requirements Power Consumption:

CP-114EL: 835 mA @ 3.3 V CP-114EL-I: 1170 mA @ 3.3 V

Warranty

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



: Ordering Information

Available Models

CP-114EL: 4-port RS-232/422/485 low profile PCI Express x1 serial board

CP-114EL-I: 4-port RS-232/422/485 low profile PCI Express x1 serial board with optical isolation

CP-114EL-DB9M: 4-port RS-232/422/485 low profile PCI Express x1 serial board (includes DB9 male cable) **CP-114EL-DB25M:** 4-port RS-232/422/485 low profile PCI Express x1 serial board (includes DB25 male cable) **CP-114EL-I-DB9M:** 4-port RS-232/422/485 low profile PCI Express x1 serial board with optical isolation (includes DB9 male cable)

CP-114EL-I-DB25M: 4-port RS-232/422/485 low profile PCI Express x1 serial board with optical isolation (includes DB25 male cable)

Connection Options (can be purchased separately)

8

20

22

DCD

DTR

Package Checklist

- 1 CP-114EL or CP-114EL-I board
 Standard brookst and low profile
- Standard bracket and low profile bracket
- Documentation and software CD
- Quick installation guide (printed)
- Warranty card

С

CBL-M44M9x4-50						DB9 male
DB44 male to DB9 male x 4 (50 cm cable)	PIN	RS-232	RS-422	RS-485-4w	RS-485-2w	
	1	DCD	TxD-(A)	TxD-(A)	-	
	2	RxD	TxD+(B)	TxD+(B)	-	
	3	TxD	RxD+(B)	RxD+(B)	Data+(B)	0
	4	DTR	RxD-(A)	RxD-(A)	Data-(A)	
	5	GND	GND	GND	GND	6 9
	6	DSR	-	-	-	
	7	RTS	-	-	-	
	8	CTS	-	-	-	
	9	-	-	-	-	
CBL-M44M25x4-50 DB44 male to DB25 male x 4 (50 cm cable)	PIN	RS-232	RS-422	RS-485-4w	RS-485-2w	DB25 male
	2	TxD	RxD+(B)	RxD+(B)	Data+(B)	
	3	RxD	TxD+(B)	TxD+(B)	-	1
	4	RTS	-	-	-	
	5	CTS	-	-	-	$ \circ\rangle$
	6	DSR	-	-	-	
	7	GND	GND	GND	GND	14

TxD-(A)

RxD-(A)

TxD-(A)

RxD-(A)



Data-(A)