

CP-118EL

8-port RS-232/422/485 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
- > Various connection cables/boxes
- > Low profile board for compact-sized PCs
- > Drivers provided for Windows Vista/2003/XP/2000, Linux, Unix
- > On-board 15 KV ESD protection



: Overview

The CP-118EL 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 8

RS-232/422/485 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-118EL works with PCI Express x1, allowing the board to be installed in any PCI Express slot.

: Specifications

Hardware

Connectors: SCSI VHDCI 68

Comm. Controller: MU860 (16C550C compatible)

Interface

Bus Interface: PCI Express x1

Number of Ports: 8 (only one IRQ required)

Max No. of Boards: 4

Signals

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

RS-422: TxD+(B), TxD-(A), RxD+(B), RxD-(A), GND

4-wire RS-485: TxD+(B), TxD-(A), RxD+(B), RxD-(A), GND

2-wire RS-485: Data+(B), Data-(A), 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: 860 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 Protection

Regulatory Approvals

EN55022 Class B, EN55024, EN6100-3-2, EN61000-3-3,

FCC Part 15 Class B

Warranty: 5 years

: Ordering Information

CP-118EL: 8-port RS-232/422/485 PCI Express x1 Serial Board

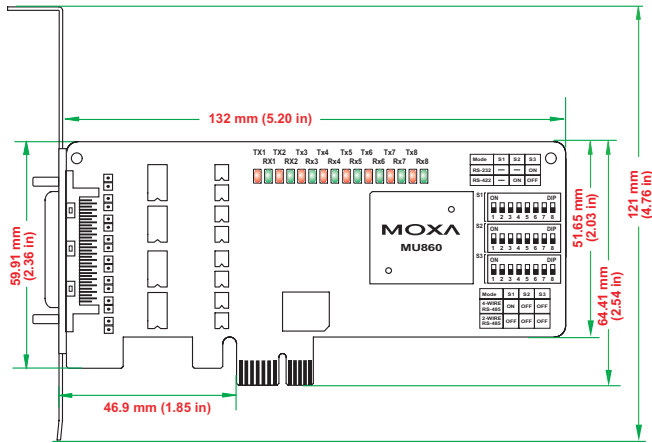
Package Checklist

- CP-118EL board with standard bracket, and Low Profile bracket
- Document & Software CD-ROM
- Quick Installation Guide

Optional Accessories (choose one per board)

*Refer to Page 8-9

Dimensions (unit = mm)



On-Board LED Display

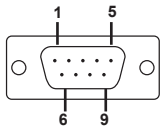


On-Board Switch Settings

Interface	S1	S2	S3
RS-232	---	---	ON
RS-422	---	ON	OFF
4-wire RS-485	ON	OFF	OFF
2-wire RS-485	OFF	OFF	OFF

Connection Options

Male DB9



PIN	RS-232	RS-422/4-wire RS-485	2-wire RS-485
1	DCD	TxD-(A)	---
2	RxD	TxD+(B)	---
3	TxD	RxD+(B)	Data+(B)
4	DTR	RxD-(A)	Data-(A)
5	GND	GND	GND
6	DSR	---	---
7	RTS	---	---
8	CTS	---	---

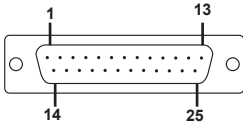
OPT8-M9+
Male DB9 x 8,
150 cm Cable



CBL-M68M9x8-100 (OPT8D+)
Male DB9 x 8, 100 cm Cable



Male DB25



PIN	RS-232	RS-422/4-wire RS-485	2-wire RS-485
2	TxD	RxD+(B)	Data+(B)
3	RxD	TxD+(B)	---
4	RTS	---	---
5	CTS	---	---
6	DSR	---	---
7	GND	GND	GND
8	DCD	TxD-(A)	---
20	DTR	RxD-(A)	Data-(A)

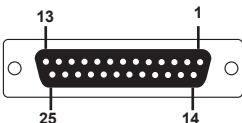
OPT8B+
Male DB25 x 8,
150 cm Cable



CBL-M68M25x8-100 (OPT8C+)
Male DB25 x 8, 100 cm Cable



Female DB25



PIN	RS-232	RS-422/4-wire RS-485	2-wire RS-485
2	RxD	TxD+(B)	---
3	TxD	RxD+(B)	Data+(B)
4	CTS	---	---
5	RTS	---	---
6	DTR	RxD-(A)	Data-(A)
7	GND	GND	GND
8	DCD	TxD-(A)	---
20	DSR	---	---

OPT8A+
Female DB25 x 8,
150 cm Cable



OPT8S+
Female DB25 x 8, 150 cm Cable
25 KV ESD Surge Protection

