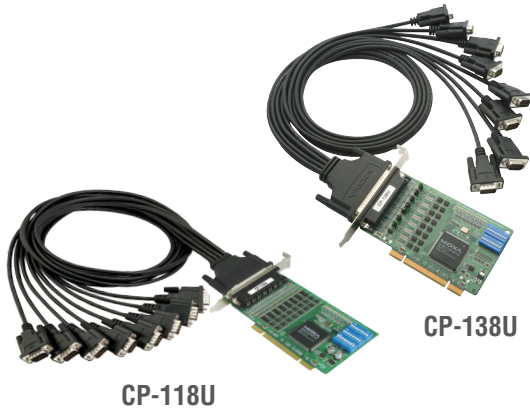


CP-118U/CP-138U

8-port RS-232/422/485 Smart Universal PCI Serial Board



Features

- > Over 700 Kbps data throughput for top performance
- > 128-byte FIFO and on-chip H/W, S/W flow control
- > Universal PCI compatible with 3.3/5V PCI and PCI-X
- > Serial communication speed up to 921.6 Kbps
- > Windows Vista/2003/XP/2000/98/ME, Linux, and Unix driver support
- > Easy maintenance with on-board LED display, and management software
- > 15 KV ESD protection on-board



: Overview

The CP-118U and CP-138U are smart, 8-port Universal PCI serial boards designed for POS and ATM applications, and for use by industrial automation system manufacturers and system integrators. Both boards are compatible with all major operating systems. In addition, the CP-118U's 8 RS-232/422/485 ports and the CP-138U's

8 RS-422/485 ports support data rates up to 921.6 Kbps, and provide full modem control signals to ensure compatibility with a wide range of serial peripherals. The CP-118U and CP-138U support both 3.3V and 5V PCI buses, making them suitable for installation in most PC servers.

: Specifications

Hardware

Connector: Female DB62

Comm. Controller: MU860 (16C550C compatible)

Interface

Bus Interface: 32-bit Universal PCI

Number of Ports: 8 (only one IRQ required)

Max No. of Boards: 4

Signals

RS-232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND (CP-118U only)

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:

CP-118U: 240 mA (+5V, RS-232), 300 mA (+5V, RS-422)

CP-138U: 135 mA (+5V, RS-422)

Operating Temperature: 0 to 55°C

Operating Humidity: 5 to 95% RH

Storage Temperature: -20 to 85°C

ESD Protection: Embedded 15 KV ESD Protection

Regulatory Approvals

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

FCC Part 15 Class B

Warranty: 5 years

: Ordering Information

CP-118U: 8-port RS-232/422/485 Universal PCI Board

CP-138U: 8-port RS-422/485 Universal PCI Board

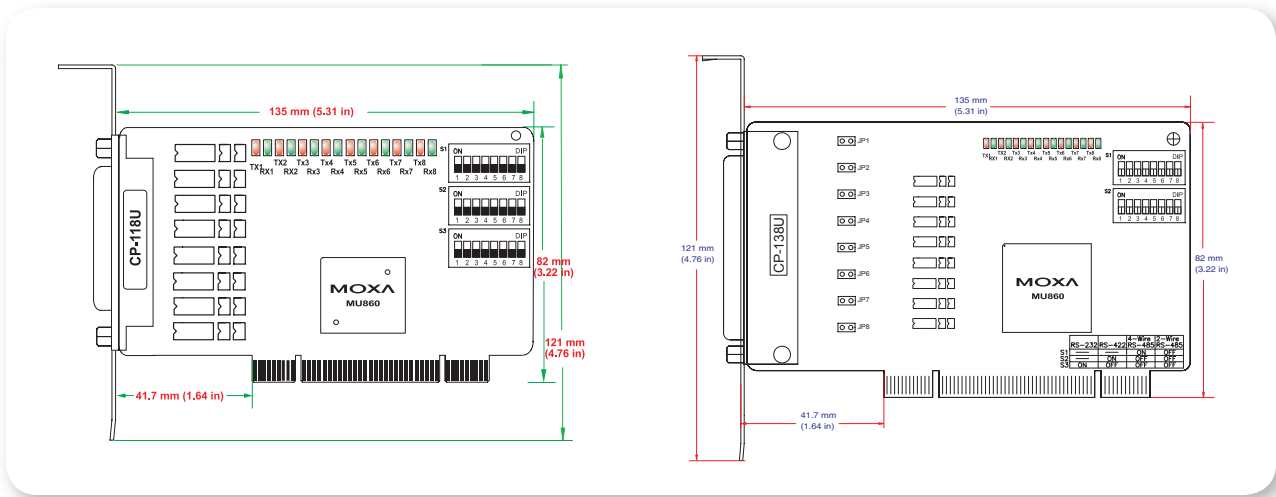
Optional Connectors (choose one per board)

* Refer to Page 8-25

Package Checklist

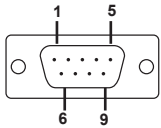
- CP-118U or CP-138U board with standard bracket
- Document & Software CD-ROM
- Quick Installation Guide

Dimensions



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	---	---

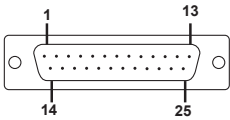
OPT8-M9
Male DB9 x 8, 150 cm Cable



CBL-M62M9x8-100 (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)

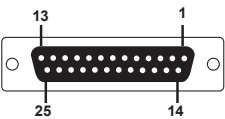
OPT8B
Male DB25 x 8, 150 cm Cable



CBL-M62M25x8-100 (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	---	---

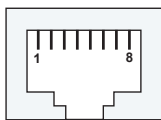
OPT8A
Female DB25 x 8,
150 cm Cable



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



8-pin RJ45



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

OPT8-RJ45 (for CP-118U, RS-232 mode only)
8-pin RJ45 x 8, 30 cm Cable

