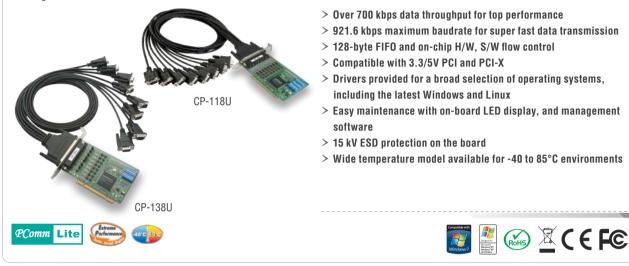
CP-118U/138U

-8-port RS-232/422/485 Universal PCI serial boards



: 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

: Drivers Provided for Windows and Linux

One of Moxa's highest priorities is to provide drivers for all mainstream operating systems. Reliable, well-tested Windows COM and Linux/Unix TTY drivers are available for use with the CP-118U and CP-138U serial

Specifications

Hardware

Comm. Controller: MU860 (16C550C compatible) Bus: 32-bit Universal PCI Connector: DB62 female

Serial Interface

Number of Ports: 8 Serial Standards: CP-118U: RS-232/422/485 CP-138U: RS-422/485

Max. No. of Boards per PC: 4 Serial Line Protection

ESD Protection: 15 kV on the board 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 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 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.

boards. Other operating systems, such as Windows XP embedded and WEPOS, are also supported to accommodate embedded integration applications.

Operating Systems

Green Product: RoHS, CRoHS, WEEE

Windows Real COM Drivers: Windows 95/98/ME/NT/2000, Windows XP/2003/Vista/2008/7/8/8.1 (x86/x64), Windows 2008 R2/2012/2012 R2 (x64), DOS, Windows Embedded CE 5.0/6.0, Windows XP Embedded Fixed TTY Drivers: QNX 6, SCO OpenServer, UnixWare 7, Solaris 10, FreeBSD Linux Real TTY Drivers: Linux 2.4.x, 2.6.x Note: Please refer to Moxa's website for the latest driver support information. **Physical Characteristics** Dimensions: 82 x 135 mm (3.22 x 5.31 in) **Environmental Limits Operating Temperature:** Standard Models: 0 to 55°C (32 to 131°F) Wide Temp. Models: -40 to 85°C (-40 to 185°F) Storage Temperature: -40 to 85°C (-40 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, FCC Part 15 Subpart B Class B EMS: EN 55024, IEC 61000-4-2, IEC 61000-4-3

MTBF (mean time between failures) Time: 1,147,210 hrs Database: Telcordia (Bellcore), GB

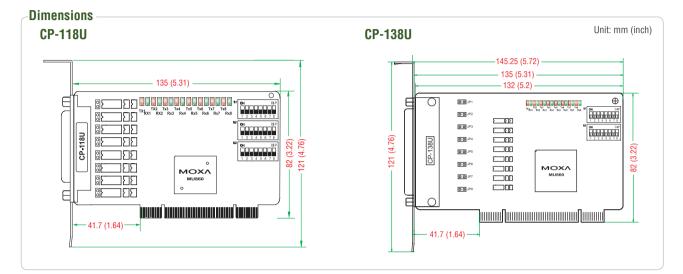
Power Requirements

Power Consumption:

CP-118U: 240 mA @ +5 V (RS-232), 300 mA @ +5 V (RS-422) CP-138U: 135 mA @ +5V (RS-422)

Warranty

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



Crdering Information

Available Models

CP-118U: 8-port RS-232/422/485 Universal PCI serial board, 0 to 55°C operating temperature **CP-138U:** 8-port RS-422/485 Universal PCI serial board, 0 to 55°C operating temperature **CP-118U-T:** 8-port RS-232/422/485 Universal PCI serial board, -40 to 85°C operating temperature **CP-138U-T:** 8-port RS-422/485 Universal PCI serial board, -40 to 85°C operating temperature

Connection Options (can be purchased separately)

OPT8-M9	CBL-M62M9x8-100 (OPT8D) DB9 male x 8 (100 cm cable)	PIN	RS-232	PIN	RS-232	DB9 male
DB9 male x 8 (150 cm cable)		1	DCD	5	GND	1 5
		2	RxD	6	DSR	0
		3	TxD	7	RTS	
		4	DTR	8	CTS	6 9
OPT8B DB25 male x 8 (150 cm cable)	CBL-M62M25x8-100 (OPT8C) DB25 male x 8 (100 cm cable)	PIN	RS-232	PIN	RS-232	DB25 male
		2	TxD	6	DSR	1 13
		3	RxD	7	GND	
		4	RTS	8	DCD	
		5	CTS	20	DTR	14 25
OPT8A DB25 female x 8 (150 cm cable)	OPT8S DB25 female x 8 (150 cm cable) 25 kV ESD Surge Protection	PIN	RS-232	PIN	RS-232	DB25 female
		2	RxD	6	DTR	13 1
		3	TxD	7	GND	
		4	CTS RTS	8 20	DCD DSR	° • • • • • •
		Ū	ino	20	Don	25 14
OPT8-RJ45 8-pin RJ45 x 8 (30 cm cable)		PIN	RS-232	PIN	RS-232	8-pin RJ45
	and the second	1	DSR	5	RxD	
		2	RTS	6	DCD	
		3	GND TxD	7	CTS DTR	

Package Checklist

- 1 CP-118U or CP-138U board
- Documentation and software CD
- Quick installation guide (printed)
- · Warranty card