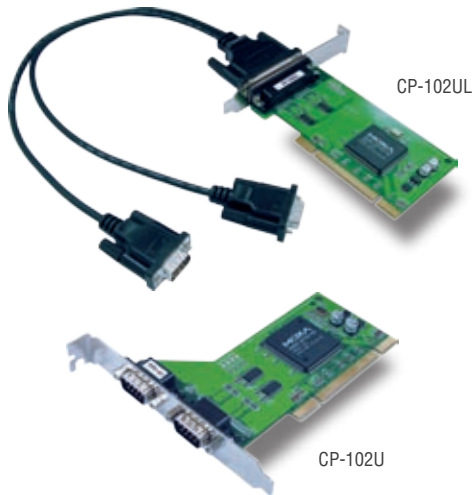


# CP-102U/CP-102UL

## 2-port RS-232 Universal PCI Smart Serial Board



### Features

- Over 800 Kbps data throughput, for top performance
- Serial communication speed up to 921.6 Kbps
- 128-byte FIFO and on-chip H/W, S/W flow control
- Universal PCI compatible with 3.3/5V PCI and PCI-X
- MD1 Low profile board (CP-102UL) for compact-sized PCs
- Drivers provided for Windows Vista/2003/XP/2000/98/ME, Linux, UNIX
- On-board 15 KV ESD protection



### : Overview

The CP-102U/UL are Smart Universal PCI Multiport Serial Boards designed for POS and ATM applications, and for use by industrial automation system manufacturers and system integrators. The boards are compatible with all popular operating systems, and each of the 2 RS-232 serial ports supports data rates up to 921.6 Kbps. The CP-

102U/UL provide full modem control signals, ensuring compatibility with a wide range of serial peripherals. In addition, the CP-102U/UL work with both 3.3V and 5V PCI buses, allowing the boards to be installed in virtually any available PC server.

### : Designed for Standard and Compact-sized Computers

The CP-102UL is an MD1 low profile board, which only requires a 5 VDC power supply, is compatible with both a 3.3V and 5V PCI bus.

This means that the CP-102UL fits any sized host computer, ranging from shoebox to standard industrial sized PCs.

### : Top Performance with 128-byte FIFO and on-chip H/W, S/W Flow Control

Our 20 plus years of experience in serial board design is now concentrated in MOXA's new top performance serial data transmission chip, called Turbo Serial Engine™, which equips the CP-102U/UL

series boards with a 128-byte FIFO, on-chip hardware and software flow control, and burst data mode. This makes the CP-102U/UL the top performing smart multiport serial board in the world.

### : Support for Major Windows and Linux/Unix OS drivers

The CP-102U/UL boards continue to support all mainstream operating systems by providing reliable drivers for Windows COM ports and Linux/Unix TTY ports. In addition, the CP-102U/UL boards also

support other operating systems, such as Windows XP embedded and WEPOS for integration with embedded applications.

### : Ordering Information

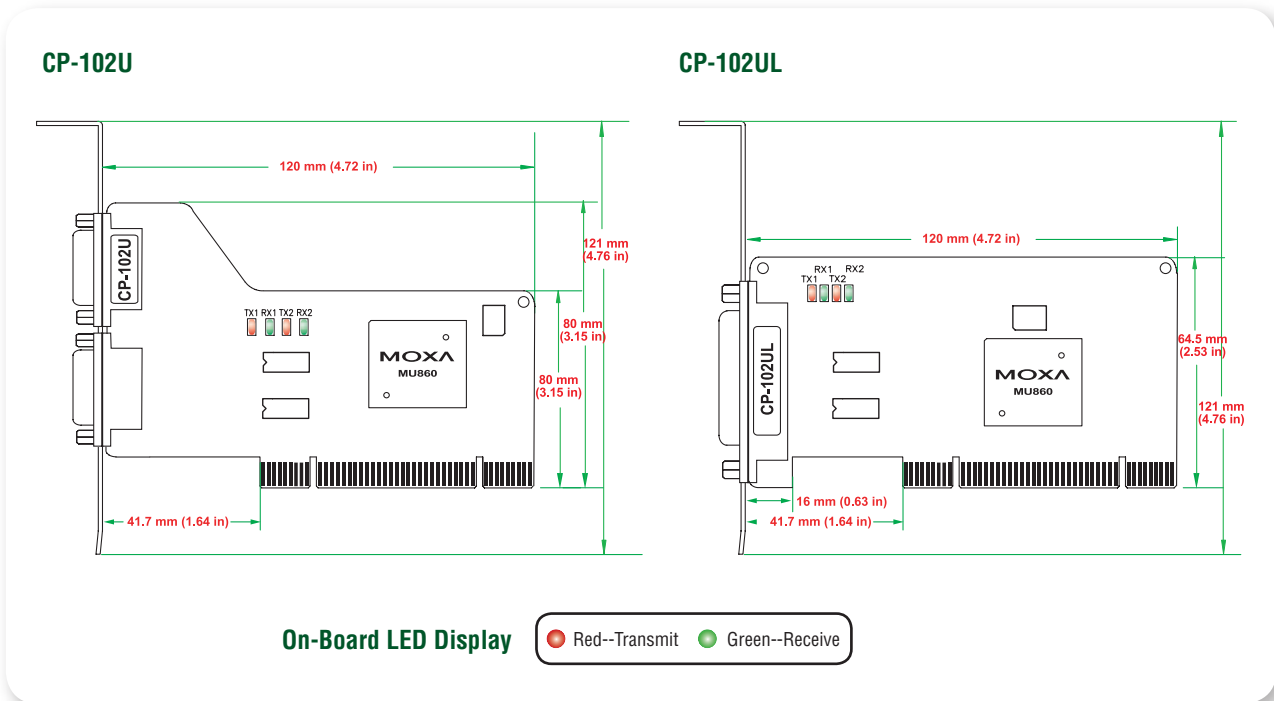
**CP-102U:** 2-port RS-232 Universal PCI Smart Serial Board

**CP-102UL:** 2-port RS-232 Universal PCI Smart Serial Board, Low Profile

#### Package Checklist

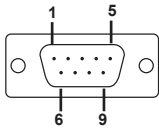
- Serial Board with standard bracket
- Document & Software CD-ROM
- Quick Installation Guide
- Low Profile Bracket and DB9 connection cable (CP-102UL only)

## Dimensions (unit = mm)



## Connection Options

### Male DB9



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

### CBL-M25M9x2-50

DB25 to male DB9 x 2, 50 cm Cable



## Specifications

### Hardware

**Connectors:** Male DB9 (CP-102U), Female DB25 (CP-102UL)

**Comm. Controller:** MU860 (16C550C compatible)

### Interface

**Bus Interface:** 32-bit Universal PCI

**Number of Ports:** 2 (only one IRQ required)

**Max No. of Boards:** 4

### Signals

**RS-232:** TxD, RxD, RTS, CTS, DTR, DSR, DCD, 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:** 93 mA (+5V)

**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