CP-104UL V2/CP-104JU V2

4-port RS-232 Universal PCI Smart Serial Board

CP-104UL V2

CP-104JU V2
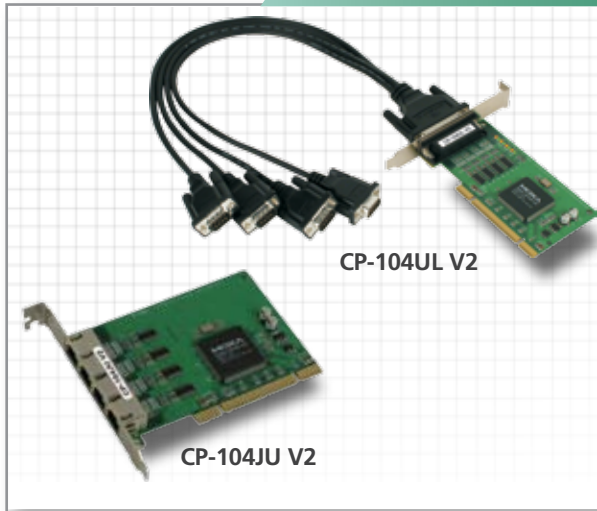
Features

› **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-104UL V2) for compact-sized PCs**

› **Windows 2003/XP/2000/98/ME, Linux, UNIX driver support**

› **On-board 15 KV ESD protection**

Overview

CP-104UL/JU V2 are Smart Universal PCI Multiport Serial Boards designed for POS and ATM applications, and for use by industrial automation system manufacturers and system integrators. CP-104UL/JU V2 are compatible with all popular operating systems, and each of the 4 RS-232 serial ports supports data rates up to 921.6 Kbps. The boards provide full modem control signals, ensuring compatibility with a wide range of serial peripherals. In addition, CP-104UL/JU V2 work with both 3.3V and 5V PCI buses, allowing the boards to be installed in virtually any available PC server.

Specifications

Hardware
Connectors: Female DB44 (CP-104UL V2), RJ45 (CP-104JU V2)
Comm. Controller: MU860 (16C550C compatible)

Interface
Bus Interface: 32-bit Universal PCI
Number of Ports: 4
Max. No. of Boards: 4 (only one IRQ required)

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 Bits: 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-104UL V2: 120 mA (+5V)
CP-104JU V2: 135 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)

Surge Protection: Embedded 15 KV ESD Surge Protection

Regulatory Approvals
EN55022 Class B, EN55024, EN6100-3-2, EN61000-3-3, FCC Part 15 Class B

Warranty: 5 years

Ordering Information

CP-104UL-DBxx V2: 4-port RS-232 Universal PCI Smart Serial Board, cable included

CP-104JU V2: 4-port RS-232 Universal PCI Smart Serial Board, 8-Pin RJ45 connectors

All items include

• Serial Board with standard bracket

• DB44 to quad DB9 or DB25 connection cable (CP-104UL V2)

• Low profile bracket (CP-104UL V2)
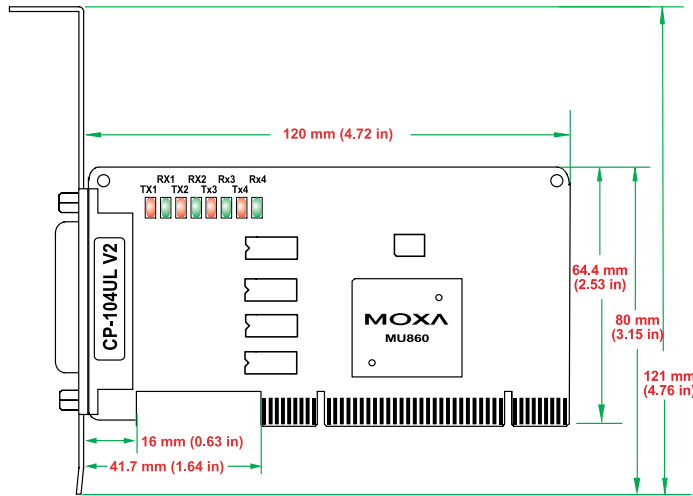
• Document & Software CD-ROM

• Quick Installation Guide

Optional Accessories
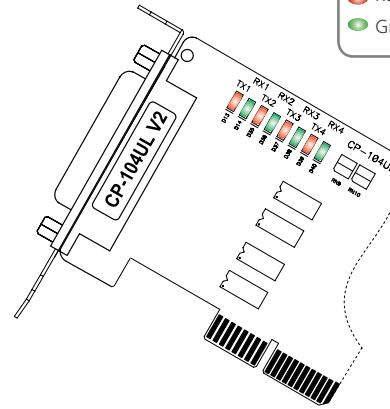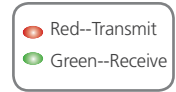
CBL-M44M9x4-50: 4-port male DB9 connection cable

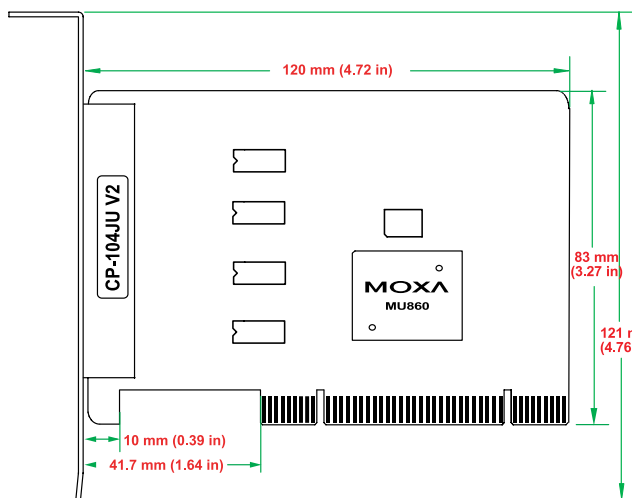**CBL-M44M25x4-50:** 4-port male DB25 connection cable
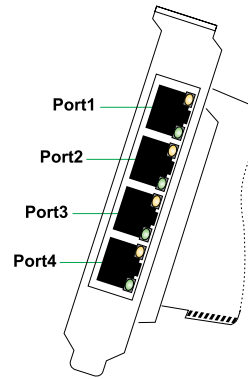
Dimensions

CP-104UL V2

120 mm (4.72 in)

64.4 mm (2.53 in)

80 mm (3.15 in)

121 mm (4.76 in)

16 mm (0.63 in)

41.7 mm (1.64 in)

On-Board LED Display

● Red--Transmit
● Green--Receive

CP-104JU V2

120 mm (4.72 in)

83 mm (3.27 in)

121 mm (4.76 in)

10 mm (0.39 in)

41.7 mm (1.64 in)

On-Board LED Display

● Yellow--Transmit
● Green--Receive

Port1
Port2
Port3
Port4
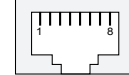
8-Pin RJ45

PIN	RJ45
1	DSR
2	RTS
3	GND
4	TxD
5	RxD
6	DCD
7	CTS
8	DTR

:: Connection Options

Male DB9
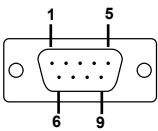
PIN	RS-232	PIN	RS-232
1	DCD	5	GND
2	RxD	6	DSR
3	TxD	7	RTS
4	DTR	8	CTS

CBL-M44M9x4-50
DB44 to male DB9 x 4, 50 cm Cable

CBL-RJ45M9-150
8-pin RJ45 to male DB9, 150 cm Cable

Male DB25
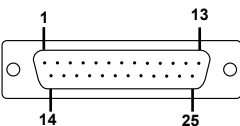
PIN	RS-232	PIN	RS-232
2	TXD	6	DSR
3	RxD	7	GND
4	RTS	8	DCD
5	CTS	20	DTR

CBL-M44M25x4-50
DB44 to male DB25 x 4, 50 cm Cable

CBL-RJ45M25-150
8-pin RJ45 to male DB25, 150 cm Cable

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Universal PCI Board Solutions