

CP-168U V2

8-port RS-232 Universal PCI Smart Serial Board



Features

- Over 700 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
- Various connection cables/boxes for RS-232/422/485
- Windows 2003/XP/2000/98/ME, Linux, UNIX driver support
- On-board 15 KV ESD protection



Overview

CP-168U V2 is a Smart Universal PCI Multiport Serial Board designed for POS and ATM applications, and for use by industrial automation system manufacturers and system integrators. CP-168U V2 is compatible with all popular operating systems, and each of its 8 RS-232 serial ports

supports data rates up to 921.6 Kbps. CP-168U V2 provides full modem control signals, ensuring compatibility with a wide range of serial peripherals. In addition, CP-168U V2 works with both 3.3V and 5V PCI buses, allowing the board to be installed in virtually any available PC server.

Specifications

Hardware

Connectors: Female DB62

Comm. Controller: MU860 (16C550C compatible)

Interface

Bus Interface: 32-bit Universal PCI

Number of Ports: 8

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: 180 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-168U V2: 8-port RS-232 Universal PCI Smart Serial Board

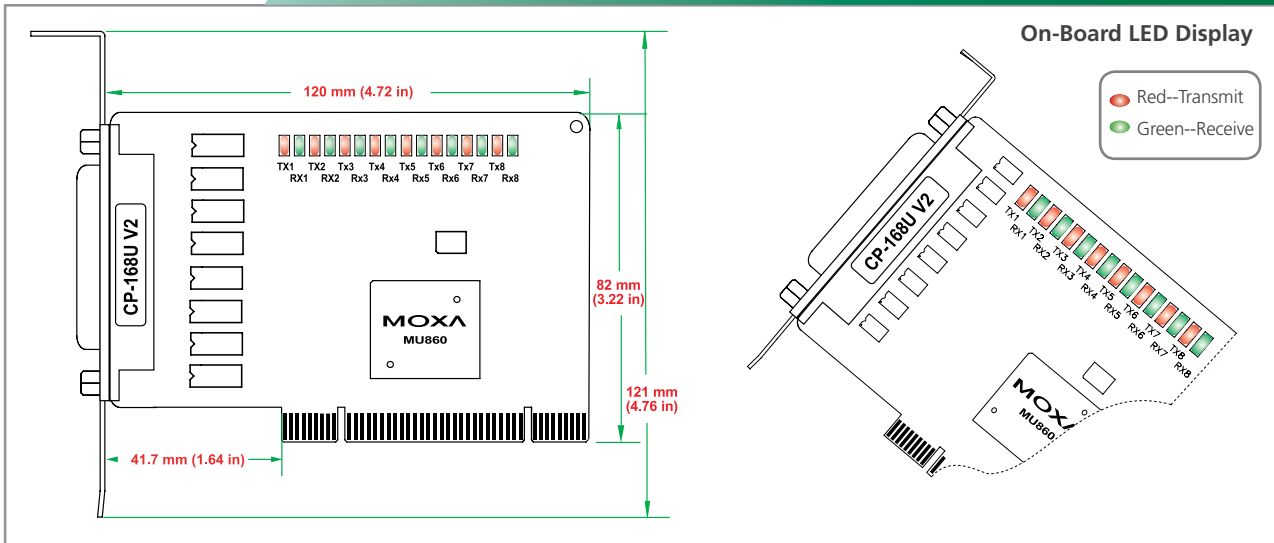
All items include

- CP-168U board with standard bracket
- Document & Software CD-ROM
- Quick Installation Guide

Optional Accessories (choose one per board)

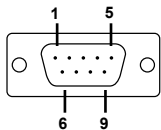
*Refer to Page 2-27

Dimensions



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

OPT8-M9

Male DB9 x 8, 150 cm Cable

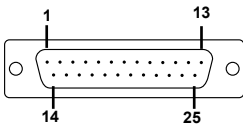


CBL-M62M9x8-100 (OPT8D)

Male DB9 x 8, 100 cm Cable



Male DB25



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

OPT8B

Male DB25 x 8, 150 cm Cable

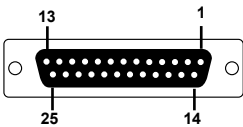


CBL-M62M25x8-100 (OPT8C)

Male DB25 x 8, 100 cm Cable



Female DB25



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

PIN	RS-422
2	RxD+(B)
3	TxD+(B)
7	GND
14	RxD-(A)
16	TxD-(A)

PIN	RS-422/ 4-wire RS-485	2-wire RS-485
2	RxD+(B)	Data+(B)
3	TxD+(B)	
7	GND	GND
14	RxD-(A)	Data-(A)
16	TxD-(A)	

OPT8A

Female DB25 x 8, 150 cm Cable



OPT8S

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



OPT8F/Z (RS-422)

Female DB25 x 8, 150 cm Cable
110V or 230V AC power Adaptor
(max. speed 115.2K bps)



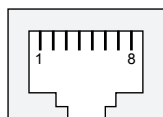
OPT8K/OPT8I (RS-422/485)

Female DB25 x 8, 150 cm Cable
110V or 230V AC power Adaptor



* OPT8I with 2 KV Isolation

8-Pin RJ45



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

OPT8-RJ45

8-pin RJ45 x 8, 30 cm Cable

