



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
- Easy maintenance with on-board LED display and management software
- Single 5 VDC power requirement
- 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 of up to

921.6 Kbps, and 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: MOXA UART (16C550C compatible)

Interface

Bus Interface: 32-bit Universal PCI

Number of Ports: 8

Max. No. of Boards: 4 (only one IRQ required)

Signals: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND

Performance

Baud Rate: 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

Operating Systems:

Windows NT/2000/XP/2003, Windows95/98/ME, Linux 2.4/2.6 (Red Hat/SuSe...), FreeBSD, SCO OpenServer, SCO Unixware 7, SCO Unixware 2.1, Windows XP Embedded, QNX, DOS

Power and Environment

Power Requirement: 180 mA (+5V)

Operating Temperature: 0 to 55°C

Operating Humidity: 5 to 95% RH

Storage Temperature: -20 to 85°C

Dimensions (W x D): 120 x 82 mm (4.72 x 3.23 in)

Surge Protection: Embedded 15 KV ESD Surge Protection

Regulatory Approvals: CE Class B, FCC Class B

Warranty: 5 years

Ordering Information

CP-168U V2

8-port RS-232 Universal PCI Smart MSB

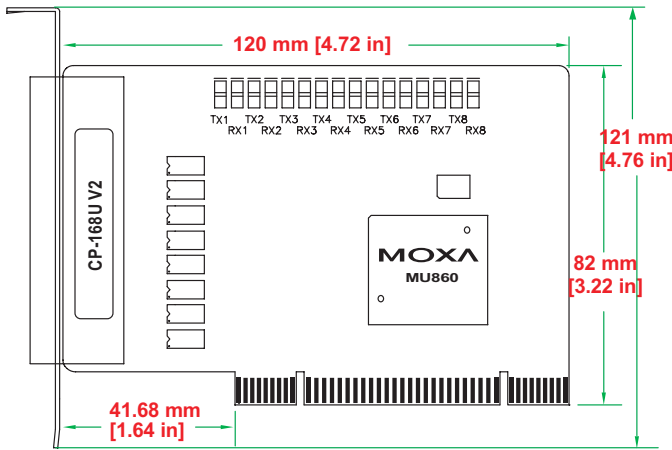
All items include:

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

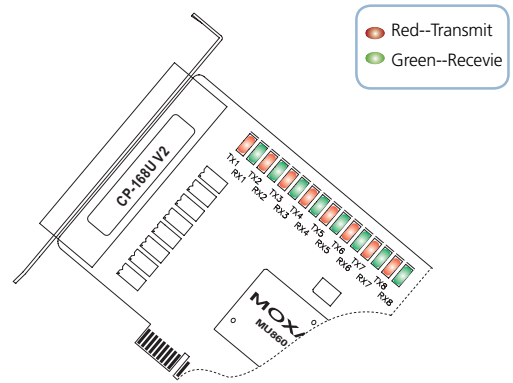
Optional Connectors (choose one per board)

* Refer to Page 6-15

Dimensions

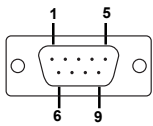


On-Board LED Display



Connection Options

Male DB9



PIN	DB9(M)	PIN	DB9(M)
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

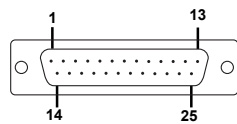


CBL-M62M9 x 8-100 (OPT8D)

Male DB9 x 8, 100 cm Cable



Male DB25



PIN	DB25(M)	PIN	DB25(M)
2	TxD	6	DSR
3	RxD	7	GND
4	RTS	8	DCD
5	CTS	20	DTR

OPT8B

Male DB25 x 8

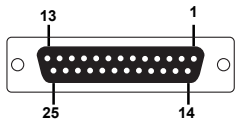


CBL-M62M25 x 8-100 (OPT8C)

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

OPT8F/Z (RS-422)

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

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

OPT8K (RS-422/485)

Female DB25 x 8, 150 cm Cable
110V or 230V AC power Adaptor
(max. speed 230.4K bps)

PIN	2-wire RS-485
2	Data+(B)
7	GND
14	Data-(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)

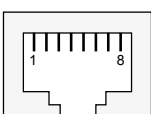


OPT8K (RS-422/485)

Female DB25 x 8, 150 cm Cable
110V or 230V AC power Adaptor
(max. speed 230.4K bps)



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

