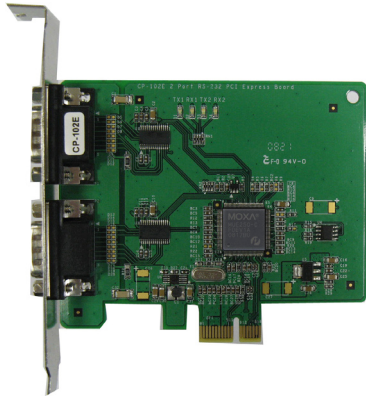


CP-102E

2-port RS-232 smart PCI Express boards



- > PCI Express x1 compliant
- > 921.6 Kbps maximum baudrate for super fast data transmission
- > 128-byte FIFO and on-chip H/W, S/W flow control
- > Drivers provided for Windows 2000, XP/2003/Vista/2008 x86 & x64, Linux 2.4/2.6, and SCO OpenServer 5
- > 15 KV ESD protection on the board



The certification logos shown here apply to some or all of the products in this section. Please see the **Specifications** section or Moxa's website for details.

Overview

The CP-102E is a smart, 2-port PCI Express board designed for POS and ATM applications. The board is a top choice of industrial automation engineers and system integrators, and supports many different operating systems, including Windows, Linux, and even Unix. In addition, each of the board's 2 RS-232 serial ports supports a super

fast 921.6 Kbps baudrate. The CP-102E provides full modem control signals to ensure compatibility with a wide range of serial peripherals, and the PCI Express "x1" classification allows the board to be installed in any PCI Express slot.

Drivers Provided for Windows, Linux, and Unix

Moxa continues to support a wide variety of operating systems, and the CP-102E board is no exception. Reliable Windows COM and Linux/Unix TTY drivers are provided for all Moxa boards, and other

operating systems, such as WEPOS, are also supported for embedded integration.

Specifications

Hardware

Comm. Controller: 16C550C compatible

Bus: PCI Express x1

Connectors:

CP-102E: DB9 male x 2

Serial Interface

Number of Ports: 2

Serial Standards: RS-232

Number of Boards: 4 per PC (max.)

Serial Line Protection

ESD Protection: 15 KV on the board

Driver support

Operating Systems: Windows 2000, XP/2003/Vista/2008 x86 & x64, Linux 2.4/2.6, SCO OpenServer 5

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

Environmental Limits

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)

Regulatory Approvals: EN55022, EN55024, EN61000-3-2, EN61000-3-3, EN61000-6-2, IEC-61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, FCC Part 15 Class B

Warranty

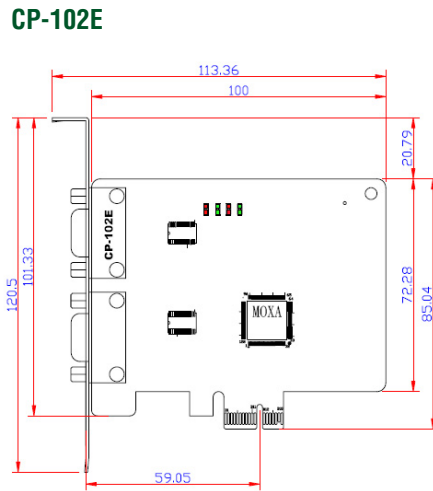
Warranty Period: 5 years

Details: See www.moxa.com/warranty

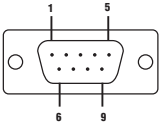
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Multiport Serial Boards > CP-102E

Dimensions (unit = mm)



DB9 male RS-232 port



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

Ordering Information

Available Models

CP-102E: 2-port RS-232 PCI Express x1 smart serial board

Package Checklist

- CP-102E board
- Document and Software CD
- Quick Installation Guide (printed)
- Warranty Card