

CP-132U Series

2-Port RS-422/485 Universal PCI Boards

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PC-based Serial



- 2-port Universal PCI communication board for industrial applications
- Space saving low profile board available
- Drivers provided for all major operating systems

Introduction

MOXA's CP-132U Series of Universal PCI 2-port serial boards meets the new slot standard for expansion boards. CP-132U boards work with both 3.3V and 5V server slots. The CP-132U Series has 2 independent RS-422/485 serial ports for connecting data acquisition equipment and other serial devices to a PC and compatible systems. This series of Universal PCI 2-port serial boards provides a reliable communication link (RS-422/485) over a longer distance (up to 4000 ft), and is suitable for industrial environments.

Features

- Supports 2 independent RS-422 or RS-485 serial ports
- Supports 128-byte FIFO Driver and all major OS platforms
- Universal PCI bus
- Data flow LED display onboard
- Low Profile boards available (CP-132UL and CP-132UL-I)
- RS-485 comes with ADDC™
- Embedded 16 KV ESD protection
- 2 KV Optical Isolation (CP-132UL-I)
- 50 bps to 921.6 Kbps transmission speed range

Specifications

■ Hardware

| | |
|----------------|--|
| Connector | Female DB25 |
| I/O Controller | CP-132U Series V1: MOXA UART (MU150, 16C550C compatible) CP-132U Series V2: MOXA UART (MU860, 16C550C compatible) |

■ Interface

| | |
|--------------|---|
| Bus | 32-bit Universal PCI |
| Serial | RS-422, 2/4-wire RS-485 |
| No. of Ports | 2 |
| Signals | RS-422: TxD+, TxD-, RxD+, RxD-, RTS+, RTS-, CTS+, CTS-, GND 4-wire RS-485: TxD+, TxD-, RxD+, RxD-, GND 2-wire RS-485: Data+, Data-, GND |

■ Performance

| | |
|-------------------------------|--|
| Speed | CP-132 Series V2: 50 bps to 931.6 Kbps CP-132 Series V1: 50 bps to 230.4 Kbps |
| Max. No. of Ports | 8 (4 boards) |
| RS-485 Data Direction Control | ADDC™ |

■ Configuration

| | |
|------------------|------------------------------|
| Parity | None, even, odd, space, mark |
| Data Bits | 5, 6, 7, 8 |
| Stop Bits | 1, 1.5, 2 |
| IRQ, I/O Address | Assigned by BIOS |

■ Operating Systems

| | |
|------------------------|---|
| CP-132UL CP-132UL-I | Windows 2000/XP/2003, Windows NT, Windows 95/98/ME, Windows XP Embedded, DOS, FreeBSD 4.x, Linux Base |
|------------------------|---|

■ Power and Environment

| | |
|-----------------------|---|
| Operating Temperature | 0 to 55°C |
| Operating Humidity | 5 to 95% RH |
| Storage Temperature | -20 to 85°C |
| Dimensions (W x D) | CP-132UL: 120 x 65 mm CP-132UL-I: 120 x 65 mm (Std. Bracket: 121 mm; LP Bracket: 80 mm) |
| Surge Protection | 16 KV ESD |
| Isolation Protection | 2 KV (CP-132UL-I) |
| Regulatory Approvals | CE, FCC |