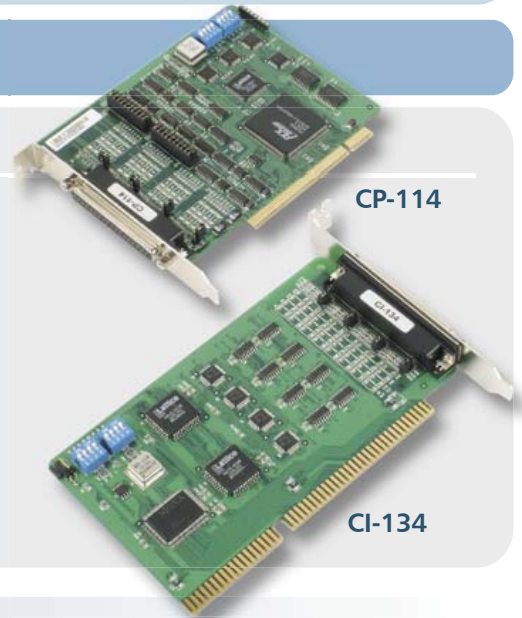


# CP-114/CI-134 Series

## 4-Port RS-422/485 PCI/ISA Boards

### Features

- 4-port RS-422/485 High Speed Communication Board
- RS-485 ADDC™ data control or by RTS
- Various connection options
- Data transmission speed up to 921.6 Kbps
- On-chip hardware flow control
- Optional 2 ports for RS-232 setting (CP-114)
- Optional Surge Protection & Isolation
- Built-in termination resistors



CP-114

CI-134

### Overview

MOXA's CP-114/CI-134 series offers 4 independent RS-422/485 serial ports for connecting data acquisition equipment and many other serial devices to the PC and its compatible systems. It provides a reliable communication link (RS-422/485) over a longer distance (up to 4000 ft), and its optional surge

protection and isolation options make it suitable for industrial environments. Connections with point-to-point full-duplex or multidrop half-duplex are available to meet users' varied needs.

### Ordering Information

#### PCI Solution

- CP-114:** PCI bus, 4-port RS-422/485 serial board
- CP-114S:** CP-114 w/ 25 KV ESD Surge Protection
- CP-114I:** PCI bus, 4-port RS-422/485 serial board w/ 2 KV Isolation
- CP-114IS:** w/ 25 KV ESD Surge Protection and 2 KV Isolation

#### ISA Solution

- CI-134:** ISA bus, 4-port RS-422/485 serial board
- CI-134I:** ISA bus, 4-port RS-422/485 serial board w/ 2 KV Isolation
- CI-134IS:** w/ 25 KV ESD Surge Protection and 2 KV Isolation

\* **All items include:** MOXA Software CD-ROM, User's Manual, DB9 or DB25 connection cable

### Optional Wiring Terminal

#### TB-F25

DIN-Rail mountable DB25 female to 25-pin terminal block wiring terminal



#### TB-F9

DIN-Rail mountable DB9 Female to 9-pin terminal block wiring terminal

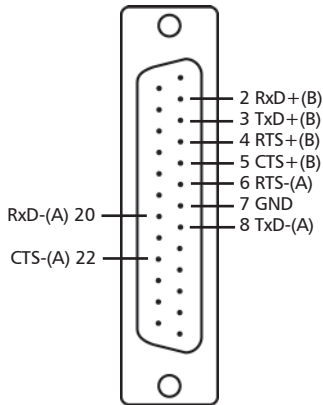


## CP-114/CI-134 RS-422/485 Pin Assignment

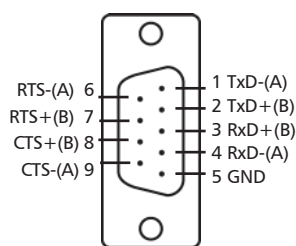
### RS-422



DB25 Male



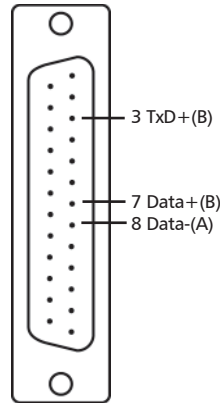
DB9 Male



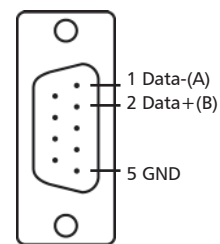
### RS-485



DB25 Male



DB9 Male



## Specifications

### PCI (CP-114)

#### Hardware

**I/O controller:** 16C550C or compatible x 4 w/ 16-byte FIFO

**Interface:** PCI ver. 2.1 (32-bit) (4 ports for RS-422/485, 2 for RS-232 optional), DB37 Female Connector

#### Performance

**Speed:** 50 bps to 921.6 Kbps

#### Configuration

**Parity:** None, Even, Odd, Space, Mark

**Data Bits:** 5, 6, 7, 8

**Stop Bits:** 1, 1.5, 2

**IRQ:** Assigned by BIOS

**IO:** Assigned by BIOS

#### OS Supported

Windows 2003/XP/2000/NT/95/98/ME, Linux, DOS

#### Power and Environment

##### Power Requirements:

##### CP-114, CP-114S

720 mA max. (+5V), 43 mA (+12V), 31 mA (-12V)

##### CP-114I, CP-114IS

1160 mA max. (+5V), 35 mA (+12V), 48 mA (-12V)

#### Dimensions

**CP-114/CP-114S:** 135 x 110 mm (W x D)

**CP-114I:** 160 x 120 mm (W x D)

**Operating Temp:** 0 to 55°C

**Regulatory Approvals:** FCC, CE

**Operating Humidity:** 5 to 95% RH

**Storage Temp:** -20 to 85°C

**Isolation Protection:** 2 KV (CP-114I/CP-114IS)

### ISA (CI-134)

#### Hardware

**I/O controller:** 16C550C or compatible x 4 w/16-byte FIFO

**Interface:** ISA (16-bit) (4-port RS-422/485) DB37 Female Connector

#### Performance

**Speed:** 50 bps to 921.6 Kbps

#### Configuration

**Parity:** None, Even, Odd, Space, Mark

**Data Bits:** 5, 6, 7, 8

**Stop Bits:** 1, 1.5, 2

**IRQ:** 2(9),3,4,5,7,10 (Default), 11,12,15

**IO:** 0x0000-0xFFFF (Default: 0x180)

#### OS Supported

Windows 2003/XP/2000/NT/95/98/ME, Linux, DOS, SCO

Open Server/XENIX, QNX4.2x, QNX 6.0, Free BSD

#### Power and Environment

##### Power Requirements:

**CI-134:** 450 mA max. (+5V)

**CI-134I:** 610 mA max. (+5V)

**CI-134IS:** 620 mA max. (+5V)

#### Dimensions

**CI-134:** 160 x 85 mm (W x D)

**CI-134I:** 180 x 110 mm (W x D)

**Operating Temp:** 0 to 55°C

**Regulatory Approvals:** FCC, CE

**Operating Humidity:** 5 to 95% RH

**Storage Temp:** -20 to 85°C

**Isolation Protection:** 2 KV (CI-134I/CI-134IS)