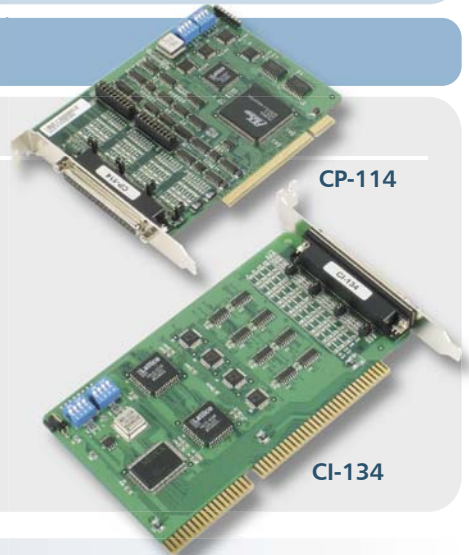


CP-114/CI-134 Series

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

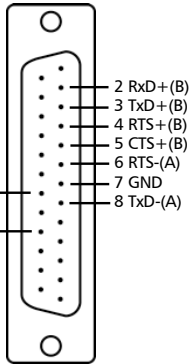


CP-114/CI-134 RS-422/485 Pin Assignment

RS-422

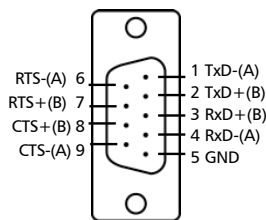


DB25 Male



RxD-(A) 20
CTS-(A) 22

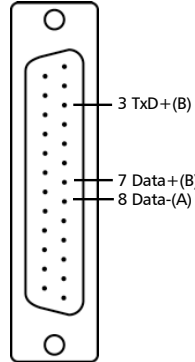
DB9 Male



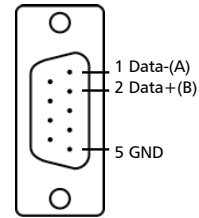
RS-485



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)