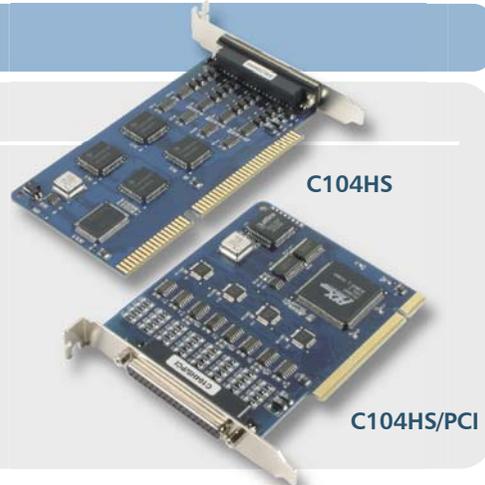# C104H Series

4-Port RS-232 PCI/ISA Board

Features

- 4-port RS-232 High Speed Communication Board
- Compact PCI/ISA board size
- Versatile OS driver support
- Data transmission speed up to 921.6 Kbps
- Easy configuration without switches or jumpers
- Economic solution
- Convenient connection cables

CE FC

C104HS

C104HS/PCI

Overview

The C104H Series allows you to install additional RS-232 serial communication ports on your PC by providing 4 serial ports per board for connecting all types of serial device, including terminals, modems, printers, data acqustion equipment, and more. And C104H's versatile OS driver support truly fulfills the needs of our customers' varied applications. This product is available for use on either a PCI or ISA bus, with both types offering a reliable and high performance solution for serial multiport communications.

Supported OS Drivers

MOXA's COM port driver not only supports all major Operating Systems, but also the following dedicated OSs for customers' special needs.

DOS	UnixWare SVR4.2
AT&T UNIX SVR4.2	UnixWare 7
MITUX SVR4.2	SCO OpenServer

SCO UNIX
SCO XENIX(C104H)
QNX 4.2x (C104H)
FreeBSD(C104H)
Linux

Specifications

Hardware

I/O controller: 16C550C or compatible x 4

Interface

Bus: PCI ver. 2.1 (32-bit) or ISA (16-bit)

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

Performance

Speed: 50 bps to 921.6 Kbps

Max. No. of ports: 16 (4 boards)

Configuration

Parity: None, even, odd, space, mark

Data bits: 5, 6, 7, 8

IRQ: ISA: 2(9), 3, 4, 5, 7, 10 (Default), 11, 12, 15
   PCI: Assigned by BIOS

I/O address: ISA: 0x0000 - 0xFFFF (Default: 0x180)

OS Supported

Windows 95/98/ME/NT/2000/XP/2003, Linux
(For more details, refer to the OS support section.)

Power and Environment

Power Requirements:

C104H/PCI, C104HS/PCI: 110 mA max. (+5V),
44.8 mA max. (+12V), 16.2 mA max. (-12V)

C104H/C104HS: 100 mA max. (+5V),
40 mA max. (+12V), 60 mA max. (-12V)

Surge Protection

25 KV ESD, 2 KV EFT (C104 HS, for all RS-232 Signals)

Operating Temperature: 0 to 55℃

Storage Temperature: -20 to 85℃

Regulatory Approvals: FCC, CE

Operating Humidity: 5 to 95% RH
Storage Temperature: -20 to 85℃

Dimensions: C104H/PCI: 120 x 100 mm (W x D)
C104H/C104HS: 157 x 83 mm (W x D)

Connection Options for C104H Series

CBL-M37M25x4-30 (DB25 Male)
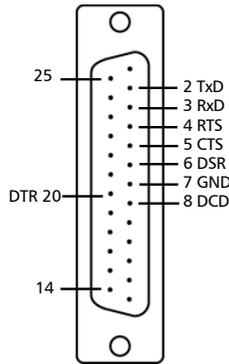(previously Opt4C)
*30 cm Cable length
*Reversible Connector Header

CBL-M37M9x4-30 (DB9 Male)
(previously Opt4D)
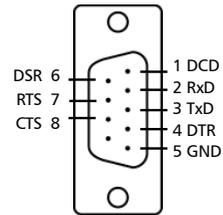*30 cm Cable length
*Reversible Connector Header

Pin Assignment
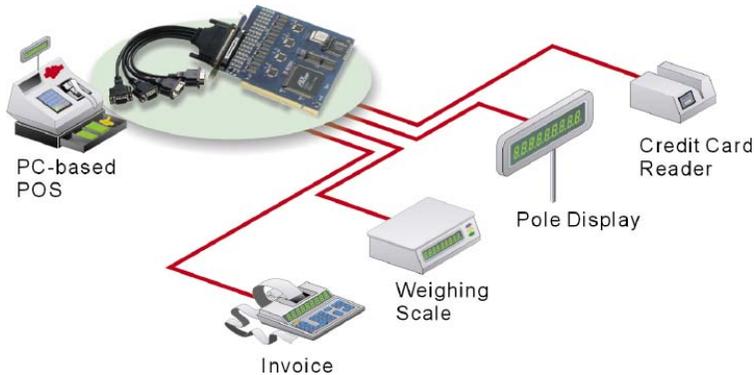
DB25 Male
(CBL-M37M25x4-30)
(previously Opt4C)

25

2 TxD
3 RxD
4 RTS
5 CTS
6 DSR
7 GND
8 DCD

DTR 20

14

DB9 Male
(CBL-M37M9x4-30)
(previously Opt4D)

DSR 6
RTS 7
CTS 8

1 DCD
2 RxD
3 TxD
4 DTR
5 GND

The Best Choice for POS Solutions

PC-based POS
Credit Card Reader
Pole Display
Weighing Scale
Invoice

Ordering Information

C104H/PCI: PCI bus, 4-port serial board

C104HS/PCI: PCI bus, 4-port serial board w/ Surge Protection

C104H: ISA bus, 4-port serial board

C104HS: ISA bus, 4-port serial board w/ Surge Protection

All items include: MOXA Software CD-ROM, User's Manual, CBL-M37M25x4-30 or CBL-M37M9x4-30 Connection cable

* For more connection box options, refer to pages 7-2,7-3