C168H/PCI
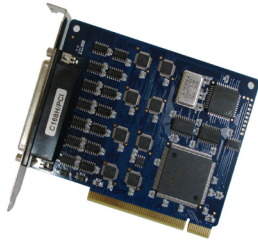
8-port RS-232 PCI boards

> 8-port RS-232 high-speed communication board
> Compact PCI board size
> Versatile OS driver support
> Various connection options
> Data transmission speed up to 921.6 Kbps
> On-chip hardware flow control
> Easy configuration without switches or jumpers
> Convenient connection cables

CE FC

: Overview

The Smartio C168H/PCI Series allows you to install additional RS-232 serial communication ports on your PC by providing 8 serial ports per board for connecting all types of serial devices, including terminals, modems, printers, data acquisition equipment, and more.

And C168H/PCI's versatile OS driver support truly fulfills the needs of our customers' varied applications. This product is available for use on either a PCI bus, with both types offering a reliable and high performance solution for serial multiport communications.

: Specifications

Hardware
I/O Controller: 16C550C or compatible x 8
Bus: PCI ver. 2.1 (32-bit)
Serial Interface
Maximum No. of Ports: 32 (4 boards)
Performance
Speed: 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
I/O Address: Assigned by BIOS
IRQ: Assigned by BIOS
Driver Support
Operating Systems: Windows 95/98/ME/NT/2000/XP/2003, Linux,

DOS, AT&T UNIV SVR4.2, MITUX DVR4.2, UnixWare SVR4.2, UnixWare7, SCO OpenServer, SCO Unix, SCO XENIX, QNX 4.2x, FreeBSD

Physical Charateristics
Dimensions: 123 x 100 mm (W x D)
Environmental Limits
Operating Temperature: 0 to 55°C
Storage Temperature: -20 to 85°C
Ambient Relative Humidity: 5 to 95% RH
Standards and Certifications
Regulatory Approvals: FCC, CE
Power Requirements
Power Consumption: 260 mA (+5V), 100 mA (+12V), 60 mA (-12V)
Warranty
Warranty Period: 5 years
Details: See www.moxa.com/warranty

: Connection Options for C168H/PCI Series

Box Connection
OPT8A: DB25 Female
OPT8B: DB25 Male
OPT8S: DB25 Female with Surge

* TxD, RxD LED Indicators
* 150cm Connection Cable included

Cable Connection
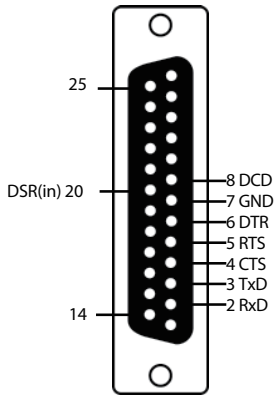CBL-M62M25x8-100 (OPT8C): DB25 Male
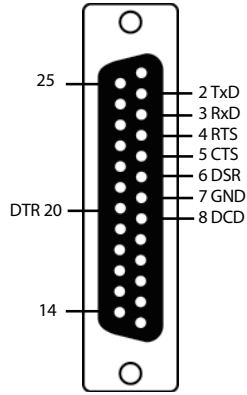CBL-M62M9x8-100 (OPT8D): DB9 Male

* 100cm cable length
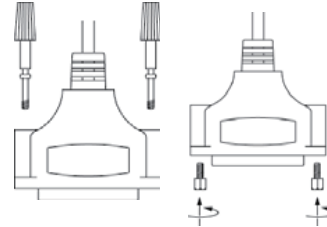* Reversible Connector Header

PIN Assignment

DB25 Female (OPT8A/S)

25

DSR(in) 20

14

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

DB25 Male
(OPT8B/CBL-M62M25x8-100 (OPT8C))

25

DTR 20

14

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

Bi-Directional Reversible
Connector

* Connect to Female   * Connect to Male
  Connector   Connector

DB9 Male
(CBL-M62M9x8-100 (OPT8D))

DSR 6
RTS 7
CTS 8

1 DCD
2 RxD
3 TxD
4 DTR
5 GND
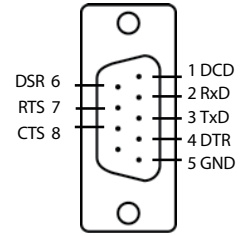
: Ordering Information

Available Models

C168H/PCI: PCI bus, 8-port serial board
* Connecion cable or box is an optional accessory
* For an onboard PCI Surge Protection Solution, refer to the Universal PCI section

Optional Connectors (choose one per board)

OPT8A: 8-port DB25 female connection box (connection cable included)
OPT8B: 8-port DB25 male connection box (connection cable included)
CBL-M62M25x8-100 (OPT8C): 8-port DB25 male connection cable
CBL-M62M9x8-100 (OPT8D): 8-port DB9 male connection cable
OPT8S: 8-port DB25 female connection box with surge protection

Package Checklist

- 1 C168H/PCI
- Documentation and software CD
- Quick installation guide (printed)
- Warranty card