

PCI Adapter, 2x Serial RS232, D-Sub 9 Port

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Quick installation guide

Introduction

RS-232 Golden I/O series, a line of Universal PCI Multi-port Serial Communication Board, is a 64 /32-bit Plug-n-Play PCI Bus card, equipped with independent high-speed RS-232.V24 standard serial interfaces. The card attaches 1 / 2 / 4 / 8 / 16 independent DB9 or DB25 RS-232 serial ports on your system for industrial communication and automation applications. It is compatible with both 3.3V or 5V and 32-bit or 64-bit PCI Bus, allowing this multi-port serial card to be installed in virtually any available PC system and compatible with all major operating systems. Users do not need to manually set jumpers to configure I/O addresses and IRQ locations. The system will search the device automatically eliminating any conflicts with other cards or devices.

Features

- Expands your system with multi RS-232 serial ports.
- High performance 16C950 compatible UART controller on-board.
- Ultra-low power consumption
- Compliance with PCI 33MHz Version 3.0/2.3/2.2/2.1 specification.
- Supports both 64-bit PCI-X & 32-bit PCI bus slots.
- Data transmission speeds up to 115.2Kbps (921.6Kbps Optional).
- On-chip hardware auto flow control to guarantee no data loss.
- Built-in \pm 2KV ESD protection for all serial signals. (\pm 15KV ESD Optional)
- Plug-n-Play, I/O address and IRQ assigned by BIOS.
- Supports Microsoft Windows, Linux, and DOS.

Package Content

Please check if the following items are present and in good condition upon opening your package. Contact your vendor if any item is damaged or missing.

RS-232 Universal PCI Multi-Port Communication Board

Quick Installation Guide (this document)

CD Driver

- 1 port series: Do NOT need any connection cable.
- 2 ports standard bracket series: Do NOT need any connection cable.
- 2 ports low profile bracket series: DB44 Male to 2 ports DB9 or DB25 Male x 1
- 4 ports series: DB44 Male to 4 ports DB9 or DB25 Male x 1
- 8 ports series: DB62 Male to 8 ports DB9 or DB25 Male x 1
- 16 ports series: Mini SCSI 68 to 8 ports DB9 or DB25 Male x 2

NOTE:

We provide 1,2,4,8 or 16 RS-232 ports products for users' selection. The expansions COM ports and cable accessory will depend on what product you have bought.

RS-232 Specification

Model	RS-232 Universal PCI Communication Board
Mode of Operation	Hand Shaking RS-232 Full-Duplex
Controller	16C950 Compatible UART
Bus Interface	64-bit & 32-bit PCI Bus / 3.3V & 5V Connector Key
Number of Ports	1 / 2 / 4 / 8 / 16 ports with DB9 or DB25 Male Type
Bracket	Standard 121 mm, Low Profile 79.2 mm
IRQ & IO Address	Assigned by BIOS / O.S.
FIFO	128 byte hardware FIFO
Baud Rate	50 bps -115.2 Kbps (921.6 Kbps optional)
Data Bit	5, 6, 7, 8
Stop bit	1, 1.5, 2
Parity	Even, Odd, None, Mark, Space
Flow Control	None, Xon / Xoff, Hardware
Driver Support	Windows 10 (32/64bit) / Windows Server 2016 Windows 8.x / 7 / Vista (32/64bit), Windows Server 2012 / 2012R2 / 2008 / 2008R2 (64bit) Windows XP (32/64bit) WinCE4.2 / WinCE5.0 / WinCE6.0 DOS Linux 2.4 / 2.6.x / 3.x / 4.x

Driver Installation

In order to ensure a proper operation of your RS-232 PCI serial board, use the driver provided in the CD.

Please launch the "**Device Manager**" to verify if the hardware was installed correctly.

Start > Controller Panel > System > Device Manager

The number of COM ports depends on what product you have bought.

Port Setting

After installing the RS-232 PCI serial board successfully, you can modify the setting for each serial port in the device manager.

1. Right click on the COM port, and select "**Properties**".
2. Select the "**Port Setting**" page to modify the COM port setting.
3. Select the "**Advanced**" icon, where you can modify the COM port number and FIFO.