# Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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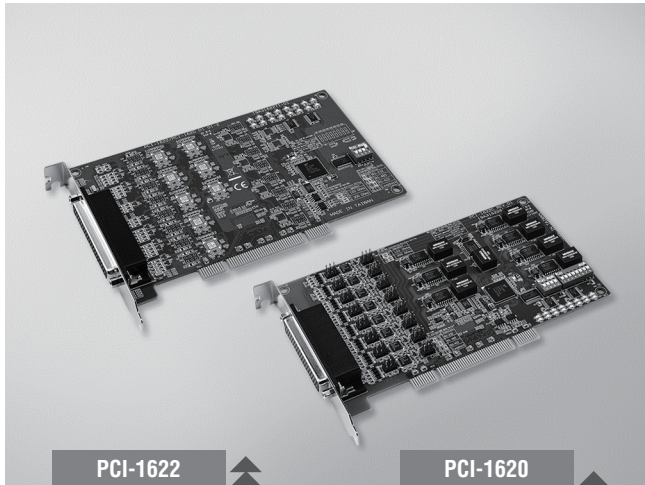Email & Skype: info@chipsmall.com Web: www.chipsmall.com
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# PCI-1620
# PCI-1622

## Features

- PCI bus 2.2 compliant
- Speeds up to 921.6 kbps for extremely fast data transmission
- Supports any baud rate setting
- 8 x RS-232 or RS-232/422/485 ports
- XR17V358 UART with 256-byte FIFOs
- Supported operating systems: Windows XP/7/8/10, and Linux

PCI-1622          PCI-1620

## Introduction

The PCI-1620 is an 8-port RS-232, and the PCI-1622 is an 8-port RS-232/422/485 PCI communication cards that are compatible with the PCI 2.2 bus specification. The cards provide eight EFT protected ports up to 1,000 V, and have many functions such as high transmission speed of 921.6 kbps; The cards utilize high-performance XR17V358 UARTs with 256-byte FIFOs to reduce CPU load. Thus, the PCI-1620 and PCI-1622 are especially suitable for making reliable systems in multitasking environments.

## Specifications

### General

- **Bus Type**          Universal PCI v2.2
- **Certification**     CE, FCC class A
- **Connectors**        1x Female DB62 (PCI-1620A/22A/22B)
                        1x Female DB78 (PCI-1622C)
- **Dimensions (L x W)** 174.65 x 106.67 mm (6.88"x 4.2")
- **Power Consumption** 260 mA @ +3.3 V (typ.)

### Communications

- **Comm. Controller**  XR17V358
- **Data Bits**         5, 6, 7, 8
- **Data Signals**      RS-232: TxD, RxD, RTS, CTS, DTR, DSR, DCD
                        (PCI-1620A/22A/22B) TxD, RxD, RTS, CTS, DTR, DSR,
                        DCD, RI (PCI-1622C)
                        RS-422: Tx+, Tx-, Rx+, Rx- (PCI-1620A/22A/22B)
                        CTS+, CTS-, RTS+, RTS-, Tx+, Tx-, Rx+, Rx-
                        (PCI-1622C)
                        RS-485: Data+, Data- (PCI-1620A/22B/22C)
- **FIFO**              256 bytes
- **Flow Control**      DTR/DSR, RTS/CTS, Xon/Xoff
- **Parity**            None, Odd, Even, Mark, or Space
- **Speed**             50 bps ~ 921.6 kbps
- **Stop Bits**         1, 1.5, 2

### Software

- **Bundled Software**  ICOM Tools
- **OS Support**        Windows XP/7/8/10, and Linux (You can reference the
                        SW release note to know the supported OS version.)

### Environment

- **Operating Humidity**    5 ~ 95 % RH, non-condensing
- **Operating Temperature** -10 ~ 60°C (14 ~ 140°F)
- **Storage Temperature**   -25 ~ 85°C (-13 ~ 185°F)

## Ordering Information

- **PCI-1620A-DE**      8-port RS-232 PCI Comm. Card
- **PCI-1620B-DE**      8-port RS-232 PCI Comm. Card w/ Surge Protection
- **PCI-1622B-DE**      8-port RS-232/422/485 PCI Comm. Card
                        w/ Surge Protection
- **PCI-1622C-DE**      8-port RS-232/422/485 PCI Comm. Card
                        w/ Surge & Isolation Protection

## Accessories

- **OPT8C-AE**          DB62 x1 to DB25 x8 Cable, 1m for PCI-1620A-DE and
                        PCI-1622B-DE
- **OPT8H-AE**          DB62 x1 to DB9 x8 Cable, 1m for PCI-1620A-DE and
                        PCI-1622B-DE
- **OPT8J-AE**          DB78 x1 to DB9 x8 Cable, 1m for PCI-1622C-DE

### Protection

| Model Name | ESD Protection | EFT Protection | Surge Protection | Isolation Protection |
|---|---|---|---|---|
| PCI-1620A | 15KV (air), 8KV (contact) | 1000 V | | |
| PCI-1620B | 15KV (air), 8KV (contact) | 1000 V | 1000V | |
| PCI-1622B | 15KV (air), 8KV (contact) | 1000 V | 1000 V | |
| PCI-1622C | 15KV (air), 8KV (contact) | 1000 V | 1000 V | 3000 $V_{DC}$ |

**ADVANTECH**   **Serial Communication Cards**