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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!



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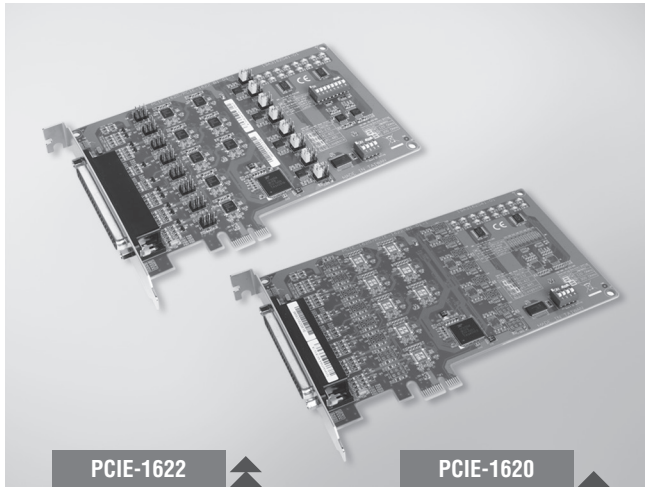
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# PCIE-1620 PCIE-1622

## 8-port RS-232 PCI Express Communication Card

## 8-port RS-232/422/485 PCI Express Communication Card



### Features

- PCI Express bus 2.0 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
- Windows 7/8/10, and Linux

### Introduction

PCIE-1620 is an 8-port RS-232, and PCIE-1622 is an 8-port RS-232/422/485 PCI Express communication cards that are compatible with the PCI Express x1 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 PCIE-1620 and PCIE-1622 are especially suitable for making reliable systems in multitasking environments.

### Specifications

#### General

- **Bus Type** PCI Express bus 2.0 compliant
- **Bus Interface** PCI Express x1
- **Certification** CE, FCC class A
- **Connectors** 1x Female DB62 (PCIE-1620A/22A/22B)  
1x Female DB78 (PCIE-1622C)
- **Dimensions (L x W)** 168 x 111 mm (6.6" x 4.4")
- **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 (PCIE-1620A/22A/22B) TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI (PCIE-1622C)  
RS-422: Tx+, Tx-, Rx+, Rx- (PCIE-1620A/22A/22B)  
CTS+, CTS-, RTS+, RTS-, Tx+, Tx-, Rx+, Rx- (PCIE-1622C)  
RS-485: Data+, Data- (PCIE-1622)
- **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

#### Protection

Model Name	ESD Protection	EFT Protection	Surge Protection	Isolation Protection
PCIE-1620A	15KV (air), 8KV (contact)	1000 V		
PCIE-1622A	15KV (air), 8KV (contact)	1000 V		
PCIE-1622B	15KV (air), 8KV (contact)	1000 V	1000 V	
PCIE-1622C	15KV (air), 8KV (contact)	1000 V	1000 V	3000 V <sub>DC</sub>

#### Software

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

#### 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

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

### Accessories

- **OPT8C-AE** DB62 x1 to DB25 x8 Cable, 1m
- **OPT8H-AE** DB62 x1 to DB9 x8 Cable, 1m
- **OPT8J-AE** DB78 x1 to DB9 x8 Cable, 1m